

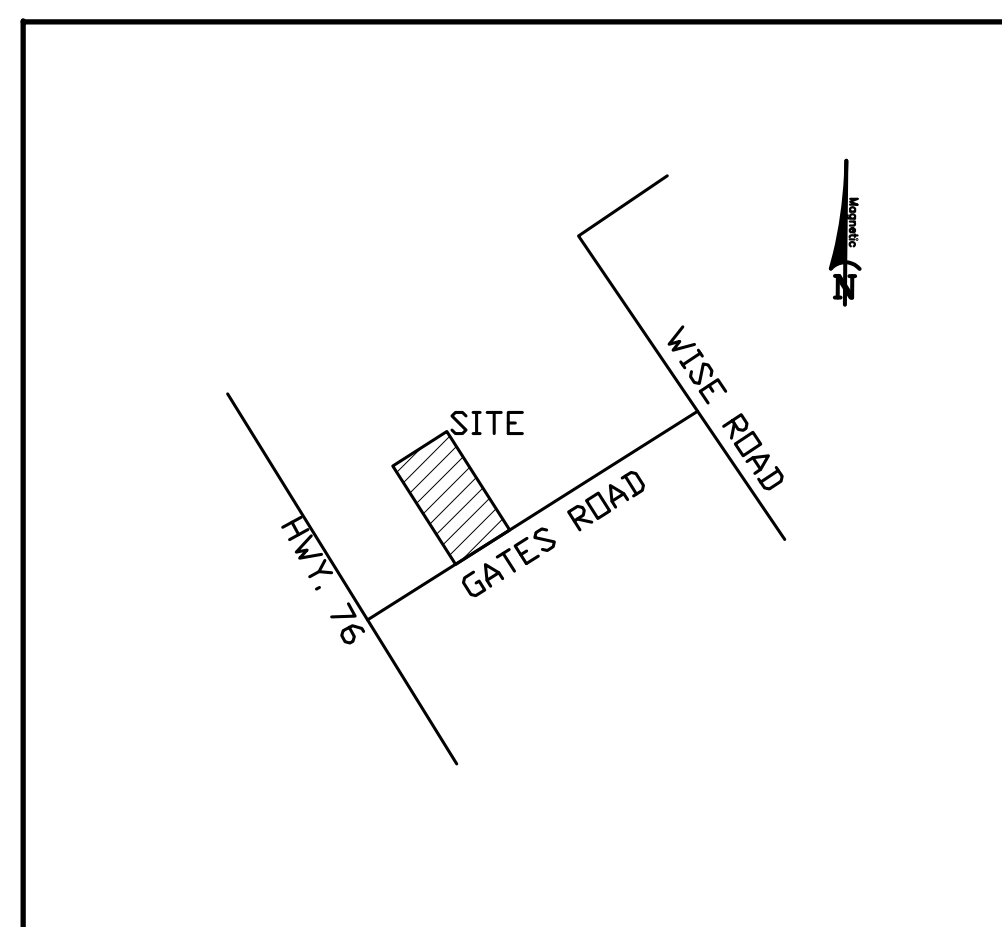
APPLE SERVICES WAREHOUSE

PREPARED FOR
APPLE SERVICES

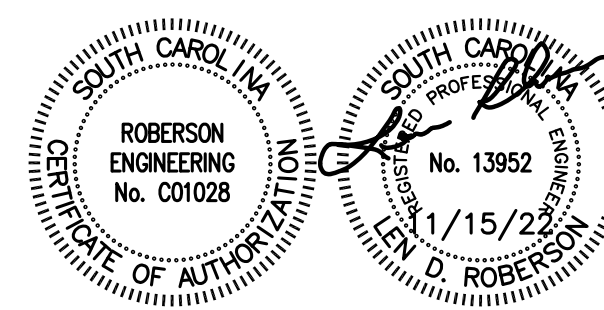
RICHLAND COUNTY ~ SOUTH CAROLINA

December 2020

”RECORD DRAWINGS”



VICINITY MAP
SCALE: 1" = 2000'±



SHEET No.	TITLE
1	COVER SHEET
C-1	EXISTING SITE PLAN
C-2	STAKING PLAN
C-3	GRADING AND EROSION CONTROL PLAN
C-4	CONSTRUCTION DETAILS AND NOTES

OWNER/DEVELOPER

APPLE SERVICES
c/o MR. MIKE JORDAN
P.O. BOX 3965
IRMO, SOUTH CAROLINA 29063
TELEPHONE: (803) 309-5908
mjordan@appleservicesplumbing.com

ENGINEER

ROBERSON ENGINEERING
c/o MR. LEN ROBERSON, P.E.
P. O. BOX 61198
COLUMBIA, SOUTH CAROLINA 29260
TELEPHONE: (803) 781-0006
robersonengr@sc.rr.com



ROBERSON
Columbia

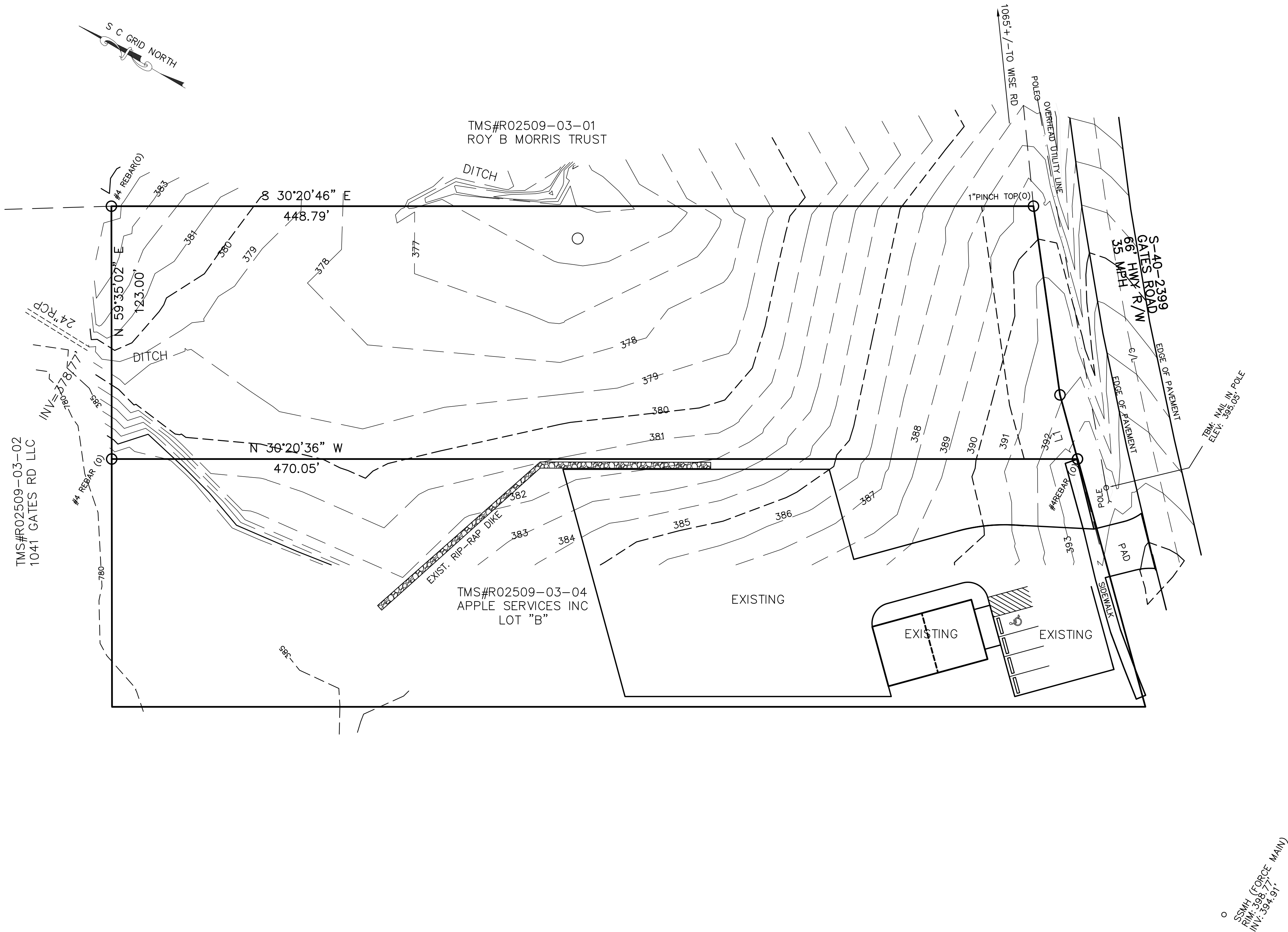
Engineering
South Carolina

PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED EASEMENTS OR RESTRICTIONS NOT OBSERVED AND TO INFORMATION REVEALED IN A COMPLETE TITLE SEARCH. THE SURVEYOR DID NOT PERFORM A TITLE SEARCH. UNDERGROUND UTILITIES MAY BE PRESENT BUT THEIR LOCATION WAS NOT DETERMINED.

SUBJECT PROPERTY LIES WITHIN UNSHADED ZONE "X" PER FIRM PANEL 45079C0088L, LAST REVISED 12/21/2017

TOPO IS BASED UPON NAVD 88 DATUM

LINE	BEARING	DISTANCE
L1	S 44°22'50" W	32.34'



DEVELOPER: MIKE JORDAN
P.O. BOX 3965
IRMO, SC 29063
803-309-5908

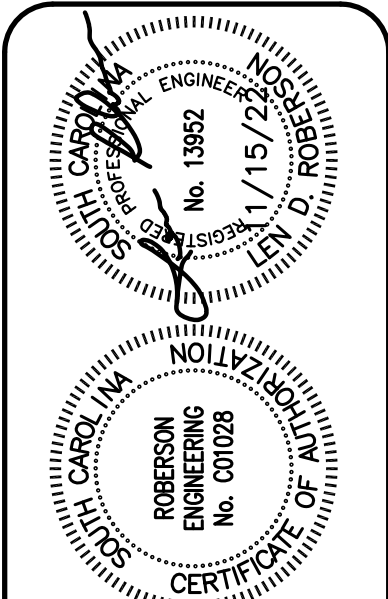
TMS#R02509-03-03 (PORTION)
LOT "C"
CURRENT ZONING: GC
1.29 Acres

"RECORD DRAWINGS"

APPLE SERVICES WAREHOUSE
RICHLAND COUNTY, SOUTH CAROLINA
EXISTING SITE PLAN

ROBERSON
Engineering
P.O. Box 61198
Columbia, South Carolina 29260-1198
Phone: (803) 751-0066 • E-mail: robersoneng@scrr.com

REVISIONS	
No.	DATE
1.	1/21/21
2.	3/3/21
3.	3/25/21
4.	4/27/21
5.	11/15/22



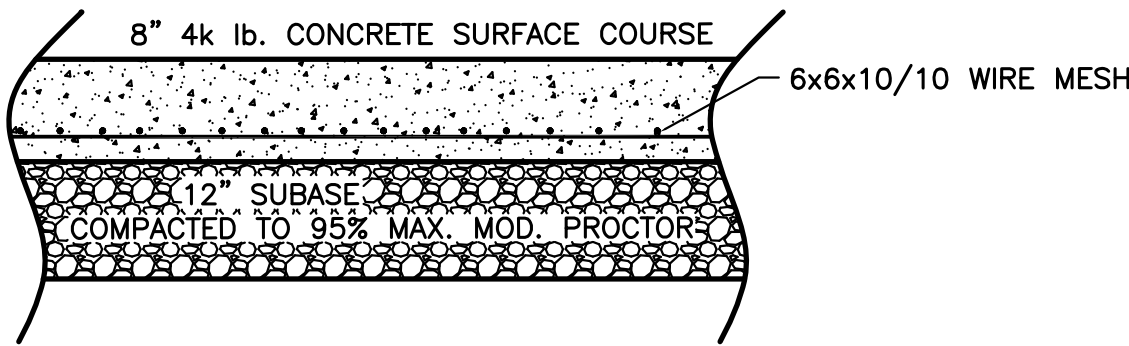
PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED EASEMENTS OR RESTRICTIONS NOT OBSERVED AND TO INFORMATION REVEALED IN A COMPLETE TITLE SEARCH. THE SURVEYOR DID NOT PERFORM A TITLE SEARCH. UNDERGROUND UTILITIES MAY BE PRESENT BUT THEIR LOCATION WAS NOT DETERMINED.

SUBJECT PROPERTY LIES WITHIN UNSHADED ZONE "X" PER FIRM PANEL 45079C0088L, LAST REVISED 12/21/2017

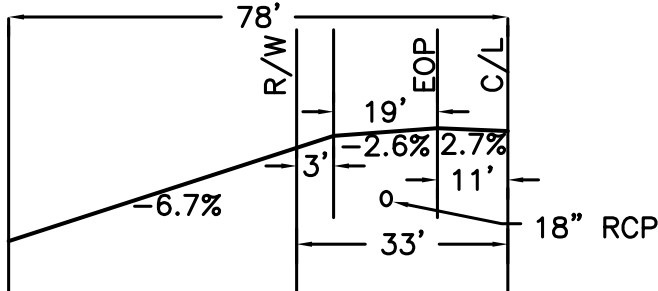
TOPO IS BASED UPON NAVD 88 DATUM

LINE	BEARING	DISTANCE
L1	S 44°22'50" W	32.34'

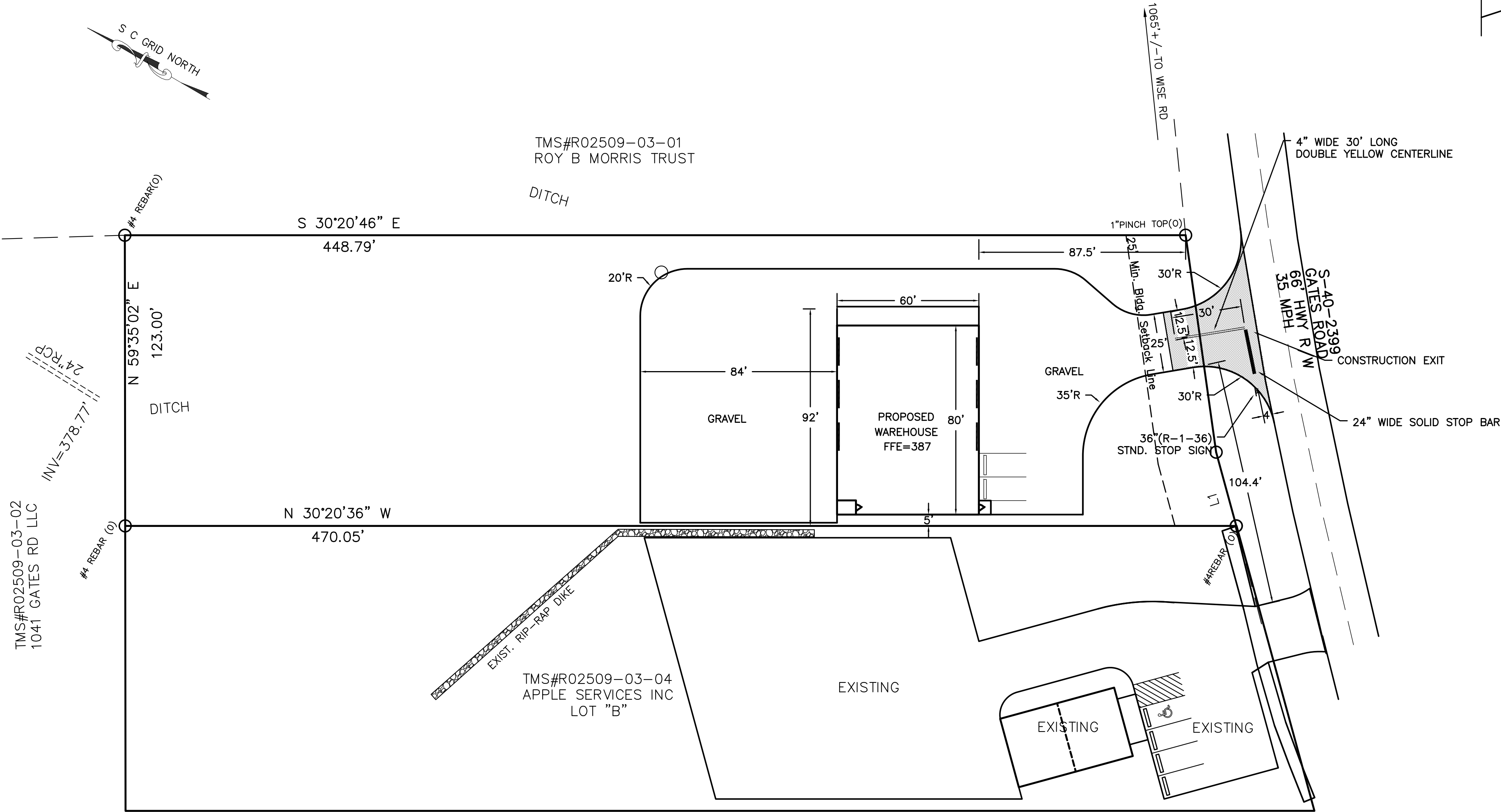
- NOTES: 1. ALL MARKINGS WITHIN SCDOT R/W SHALL BE APPROVED PERMANENT PAVEMENT MARKINGS PER SECTION 625, 626 OR 627 WITHIN THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. ALL PROPOSED OR RELOCATED SIGNAGE SHALL BE PLACED OR REPLACED IN ACCORDANCE WITH SECTION 650+000 AND INSTALLED ON SCDOT APPROVED BREAKAWAY SIGN SUPPORTS AS DETAILED IN SECTION 654-000 IN THE SCDOT STANDARD DRAWINGS.



PAVEMENT SECTION WITHIN DOT R/W
N.T.S.



DRIVEWAY PROFILE
N.T.S.



"RECORD DRAWINGS"

DEVELOPER: MIKE JORDAN
P.O. BOX 3965
IRMO, SC 29063
803-309-5908

TMS#R02509-03-03 (PORTION)
LOT "C"
CURRENT ZONING: GC
1.29 Acres

PROJECT No. 20021

DATE: DEC., 2020

SCALE: 1"=30'

DESIGNED BY: LDR

DRAWN BY: LDR

CHECKED BY: LDR

SHEET No. 3 OF 5

APPLE SERVICES WAREHOUSE

RICHLAND COUNTY, SOUTH CAROLINA

STAKING PLAN

DEVELOPER: MIKE JORDAN
P.O. BOX 3965
IRMO, SC 29063
803-309-5908

TMS#R02509-03-03 (PORTION)
LOT "C"
CURRENT ZONING: GC
1.29 Acres

REVISIONS

No.	DESCRIPTION	DATE
1.	REVISED TO KEEP LOTS SEPARATE.	1/21/21
2.	REVISED PER COUNTY COMMENTS.	3/3/21
3.	REVISED DRIVE LOCATION PER SCDOT.	3/25/21
4.	REVISED PER SCDOT COMMENTS.	4/27/21
5.	ADDED AS-BUILT DATA.	11/15/22

ROBERSON Engineering

P.O. Box 61198
Columbia, South Carolina 29260-1198

Phone: (803) 751-0006 • E-mail: robersoneng@scrr.com

DWG\MIKE_JORDAN\NEW PARCEL\GATES ROAD SITE PLAN.DWG

PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED EASEMENTS OR RESTRICTIONS NOT OBSERVED AND TO INFORMATION REVEALED IN A COMPLETE TITLE SEARCH. THE SURVEYOR DID NOT PERFORM A TITLE SEARCH. UNDERGROUND UTILITIES MAY BE PRESENT BUT THEIR LOCATION WAS NOT DETERMINED.

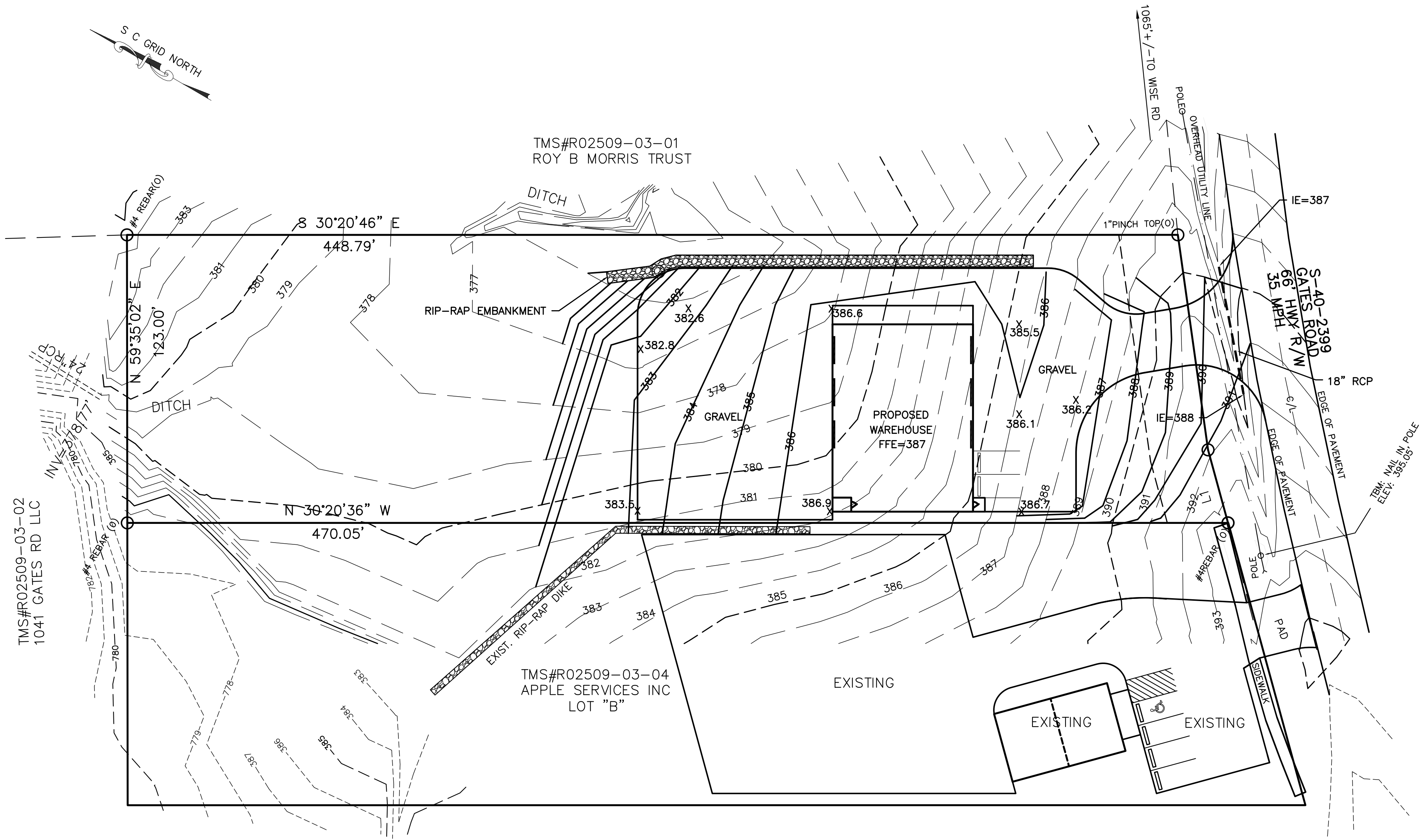
SUBJECT PROPERTY LIES WITHIN UNSHADED ZONE "X" PER FIRM PANEL 45079C0088L, LAST REVISED 12/21/2017

TOPO IS BASED UPON NAVD 88 DATUM

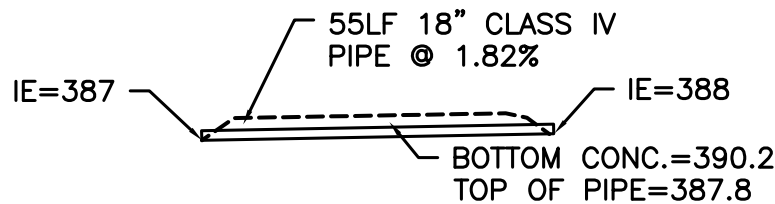
LINE	BEARING	DISTANCE
L1	S 44°22'50" W	32.34'

STORM SUMMARY

	PREDEVELOPED	POST DEVELOPED
2 YR.	3.82	2.69
10 YR.	8.72	5.72
25 YR.	10.57	6.90



THE PIPE SHALL HAVE BEVELED END SECTIONS.
FOR TRAFFIC CONTROL SEE SCDOT DRAWING 610-205-00.
FOR PIPE INSTALL DETAIL SEE SCDOT DRAWING 714-105-00.



DRIVEWAY PIPE PROFILE

"I HEREBY CERTIFY THAT THIS PLAN IS DESIGNED TO CONTAIN SOIL ON THE PROPERTY CONCERNED TO THE MAXIMUM EXTENT, TO PROVIDE FOR THE PROTECTION OF THE PROPERTY AND THE PROPOSED IMPROVEMENTS THEREON FROM THE EFFECTS OF FLOODING, TO PROVIDE FOR THE CONTROL OF THE RUNOFF FROM THE PROPERTY, AND THAT ALL THE PROVISIONS FOR SEDIMENT CONTROL AND STORM DRAINAGE ARE IN ACCORDANCE WITH THE SEDIMENT CONTROL AND STORM DRAINAGE ORDINANCE FOR LEXINGTON COUNTY, SOUTH CAROLINA."

11/15/22
DATE

REGISTERED CIVIL ENGINEER

"I (WE) HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND I (WE) ARE RESPONSIBLE FOR THE LAND DISTURBANCE AND RELATED MAINTENANCE THEREOF. LEXINGTON COUNTY AUTHORITIES WILL BE ALLOWED TO ENTER THE PROJECT SITE FOR THE PURPOSE OF ON-SITE INSPECTIONS."

DATE

PERMIT APPLICANT

DEVELOPER: MIKE JORDAN
P.O. BOX 3965
IRMO, SC 29063
803-309-5908

TMS#R02509-03-03 (PORTION)
LOT "C"
CURRENT ZONING: GC
1.29 Acres

"RECORD DRAWINGS"

PROJECT No. 2021

DATE: DEC., 2020

SCALE: 1"=30'

DESIGNED BY: LDR

DRAWN BY: LDR

CHECKED BY: LDR

SHEET No. 4 OF 5

APPLE SERVICES WAREHOUSE

RICHLAND COUNTY, SOUTH CAROLINA

GRADING AND EROSION CONTROL PLAN

REVISIONS

No.	DATE	DESCRIPTION
1.	1/21/21	REVISED TO KEEP LOTS SEPARATE.
2.	3/3/21	REVISED PER COUNTY COMMENTS.
3.	3/25/21	REVISED DRIVE LOCATION PER SCDOT.
4.	4/27/21	REVISED PER SCDOT COMMENTS.
5.	11/15/22	ADDED AS-BUILT DATA.

ROBERSON Engineering

P.O. Box 61198

Columbia, South Carolina 29260-1198

Phone: (803) 751-0066 • E-mail: robersoneng@scrr.com

PROFESSIONAL ENGINEER

ROBERSON ENGINEERING

NO. 13982

1/15/23

CIVIL ENGINEER

ROBERSON ENGINEERING

NO. 00108

1/15/23

DWG\MIKE_JORDAN\NEW PARCEL\GATES ROAD SITE PLAN.DWG

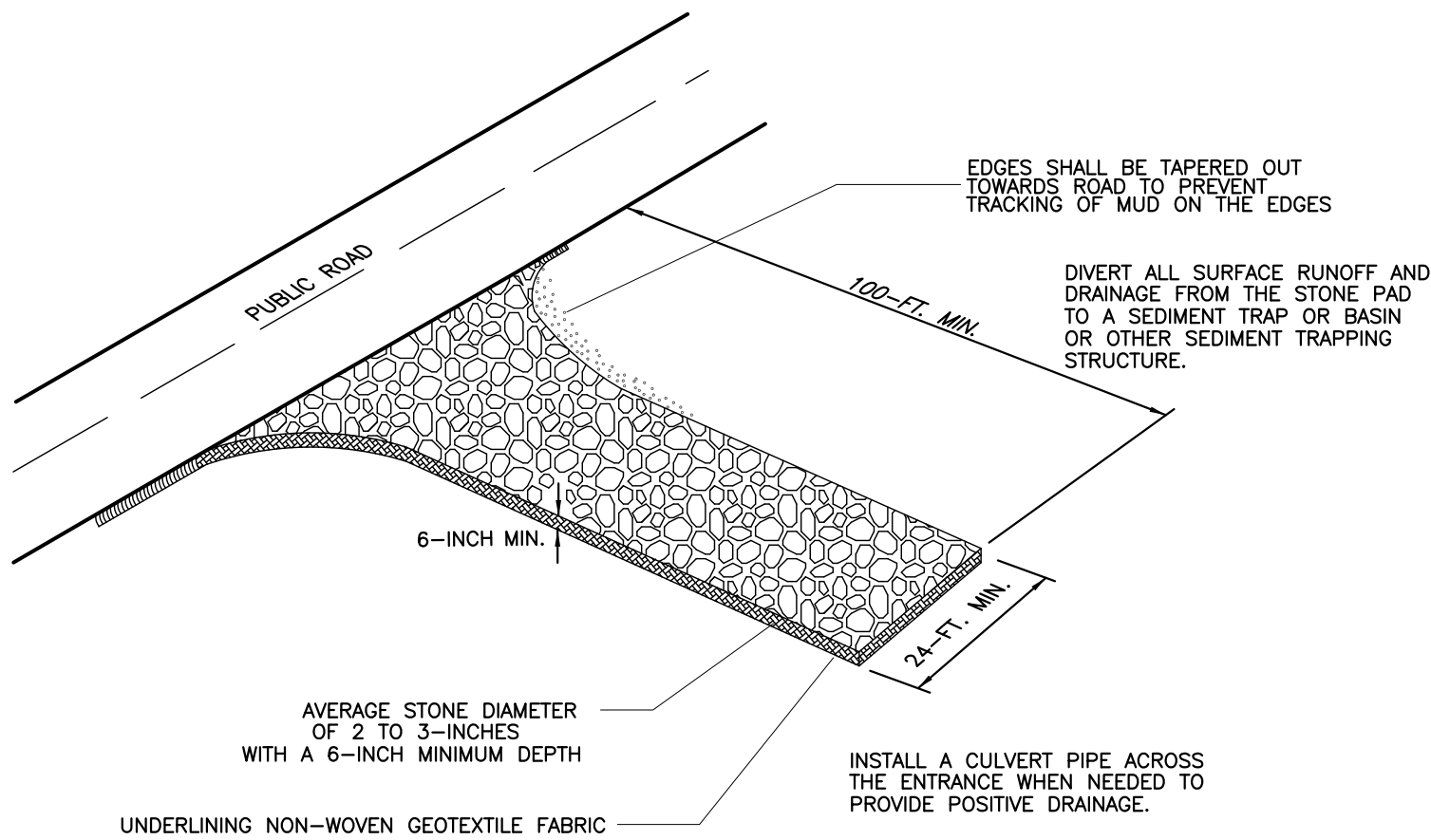
- NOTES:
1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
 2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED AT LEAST ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
 4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
 5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
 7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET. SEQ. AND SC100000.
 8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
 9. ALL WATERS OF THE STATE (WoS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50 FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREAS AND ALL WoS. A 10 FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS.
 10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.
 11. A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
 12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3:1 OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
 13. MINIMIZE SOIL COMPACTION AND, UNLESS INFASIBLE, PRESERVE TOPSOIL.
 14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
 15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP's (SEDIMENT BASIN, FILTER BAGS, ETC.).
 16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
 17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
 18. IF EXISTING BMP'S NEED TO BE MODIFIED OR IF ADDITIONAL BMP'S ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMP'S MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
 19. A PRECONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NONLINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

CONSTRUCTION SEQUENCE

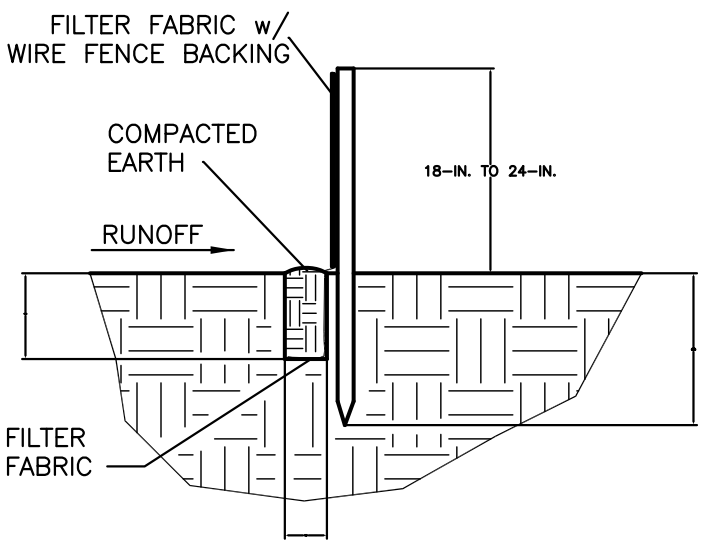
1. RECEIVE NPDES COVERAGE FROM DHEC.
2. PRECONSTRUCTION MEETING (ON SITE IF MORE THAN 10 ACRES ARE DISTURBED AND NON-LINEAR)
3. NOTIFY RICHLAND COUNTY PUBLIC WORKS OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
4. INSTALL CONSTRUCTION EXIT.
5. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
6. INSTALL PERIMETER CONTROLS.
7. CLEARING & GRUBBING OF SITE AND/OR DEMOLITION. SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED.
8. ROUGH GRADE THE SITE.
9. FINE GRADING, PAVING, ETC.
10. PERMANENT STABILIZATION.
11. CONTRACTOR SHALL CONTACT ROBERSON ENGINEERING PRIOR TO REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED.
12. ROBERSON ENGINEERING SHALL SUBMIT THE NOT TO RICHLAND COUNTY

MAY 1, 2021

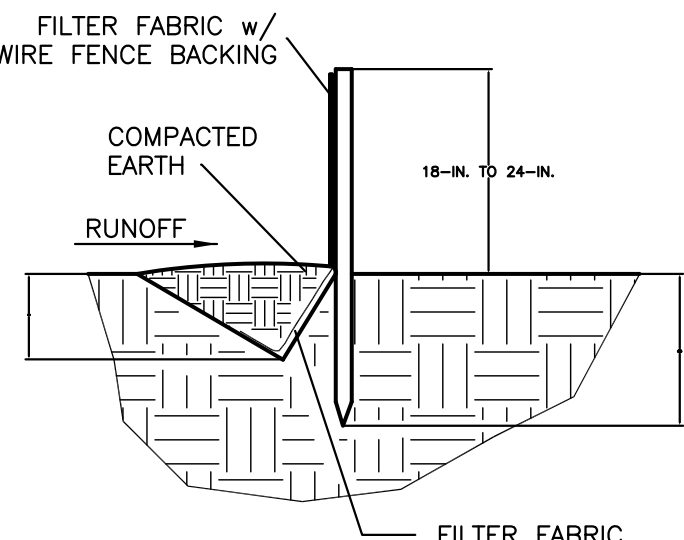
OCTOBER 1, 2021.



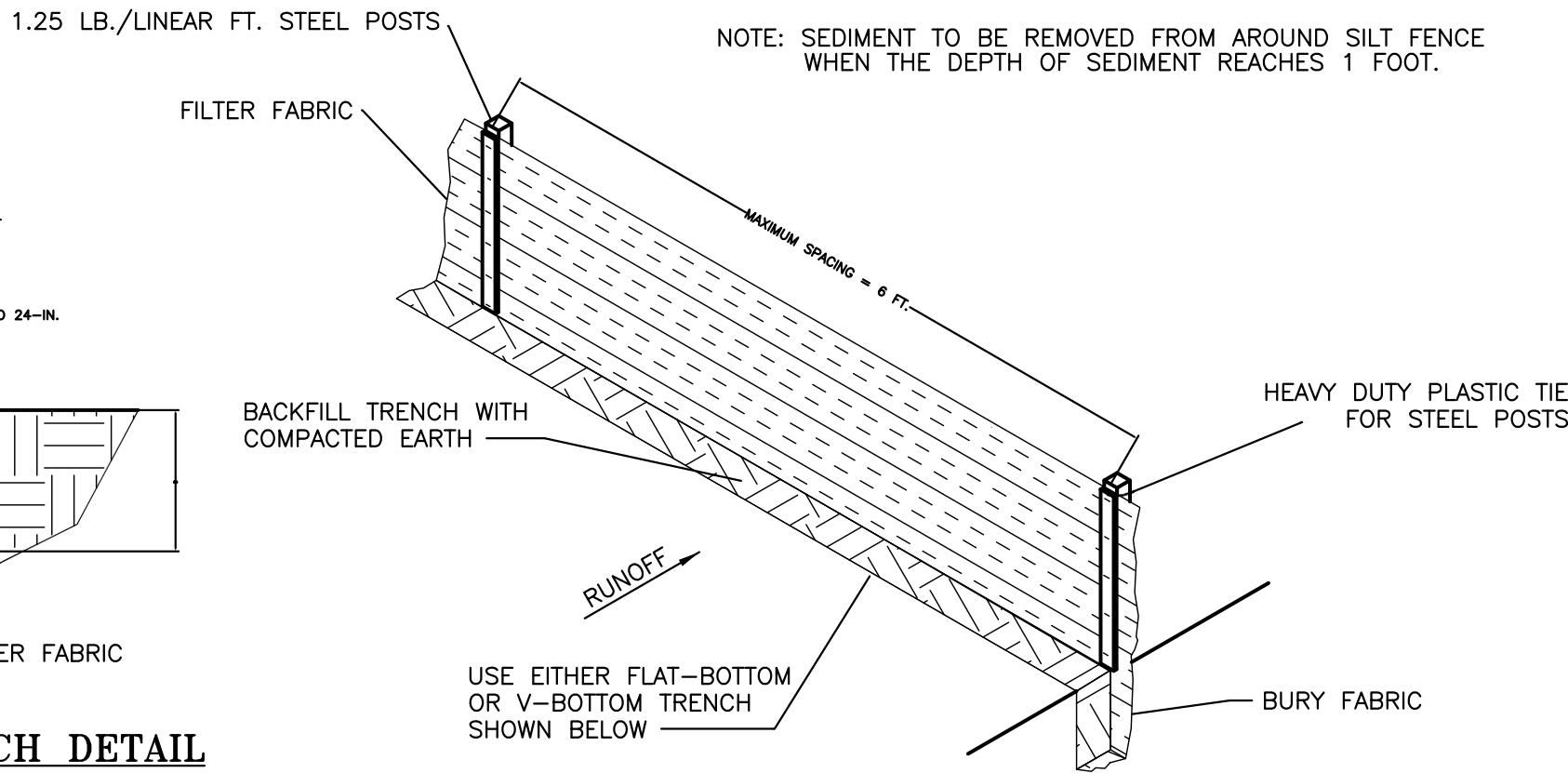
CONSTRUCTION EXIT DETAIL
N.T.S.



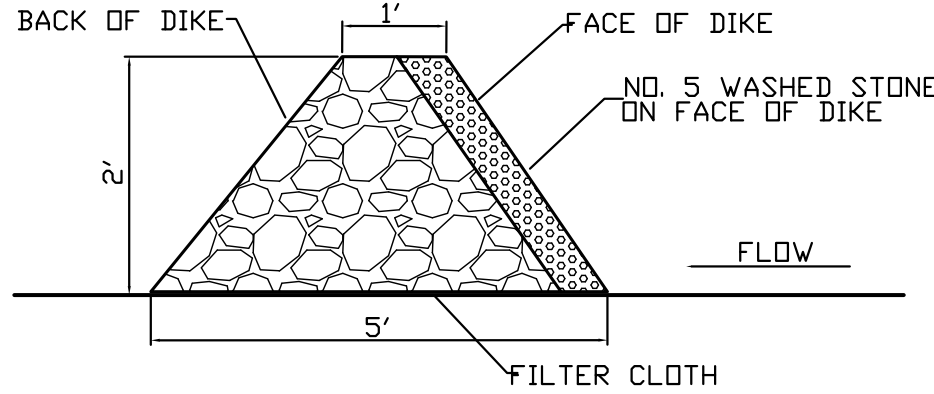
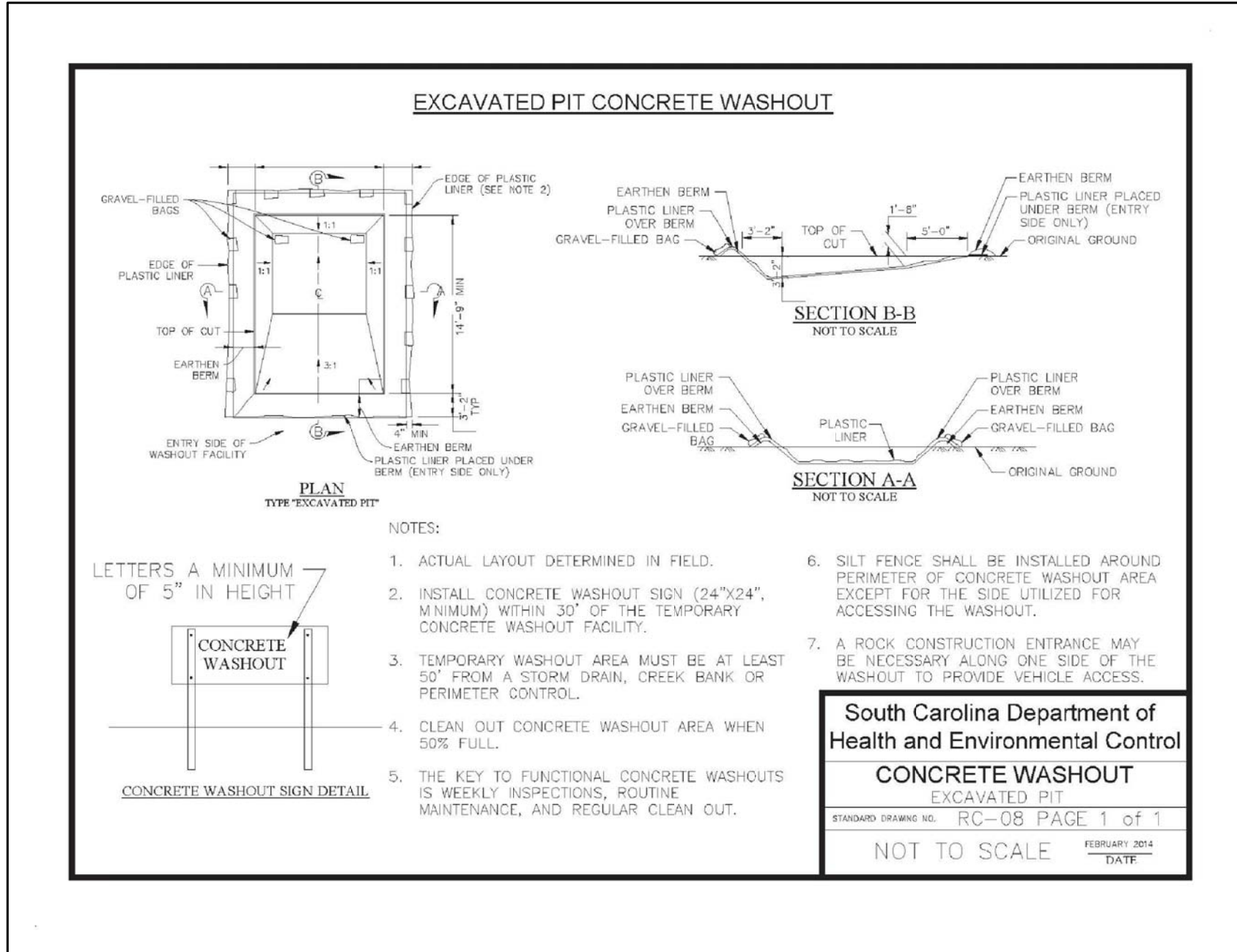
FLAT-BOTTOM TRENCH DETAIL
N.T.S.



V-SHAPED TRENCH DETAIL
N.T.S.



SILT FENCE INSTALLATION
N.T.S.



RIP-RAP SEDIMENT CONTROL DIKE DETAIL
N.T.S.

NOTES: MAINTENANCE OF THE DIKE SHALL INCLUDE INSPECTIONS ON A BY-MONTHLY BASIS TO ENSURE THAT THE STONE IS IN PLACE AND STABLE. ANY VEGETATIVE GROWTH ON THE DIKE SHALL BE REMOVED EITHER BY MECHANICAL MEANS OR BY SPRAYING WITH HERBICIDE.

"RECORD DRAWINGS"

PROJECT No. 200211

DATE: DEC., 2020

SCALE: AS SHOWN

DESIGNED BY: LDR

DRAWN BY: LDR

CHECKED BY: LDR

SHEET No. 5 OF 5

APPLE SERVICES WAREHOUSE

RICHLAND COUNTY, SOUTH CAROLINA

CONSTRUCTION DETAILS AND NOTES

REVISIONS

No.	DESCRIPTION	DATE
1.	REVISED CONSTRUCTION SEQUENCE.	1/21/21
2.	ADDED CONC. WASHOUT DETAIL AND DIKE NOTES.	3/3/21

ROBERSON ENGINEERING

P.O. Box 61198

Columbia, South Carolina 29260-1198

Phone: (803) 751-0006 • E-mail: robersoneng@sc.rr.com

ROBERSON ENGINEERING

NO. 13892

1/15/20

NO. 00108

CERTIFICATE