

Durham, NC 27713 phone 919. 361. 5000

2905 Meridian Parkway

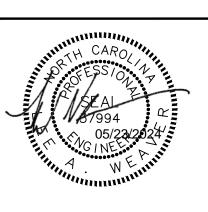
fax 919. 361. 2269

license number: C-0293 www.mcadamsco.com

CLIENT

RAM REALTY 2100 S. TRYON STREET SUITE 203 CHARLOTTE, NORTH CAROLINA 28203





CHASE BANK EC PLANS 5-3 BANK SPOT GRADES 14 02. 28. 2024 CHASE BANK EC SUBMITTAL 15 05. 20. 2024 ZCP UPDATE

### **PLAN INFORMATION**

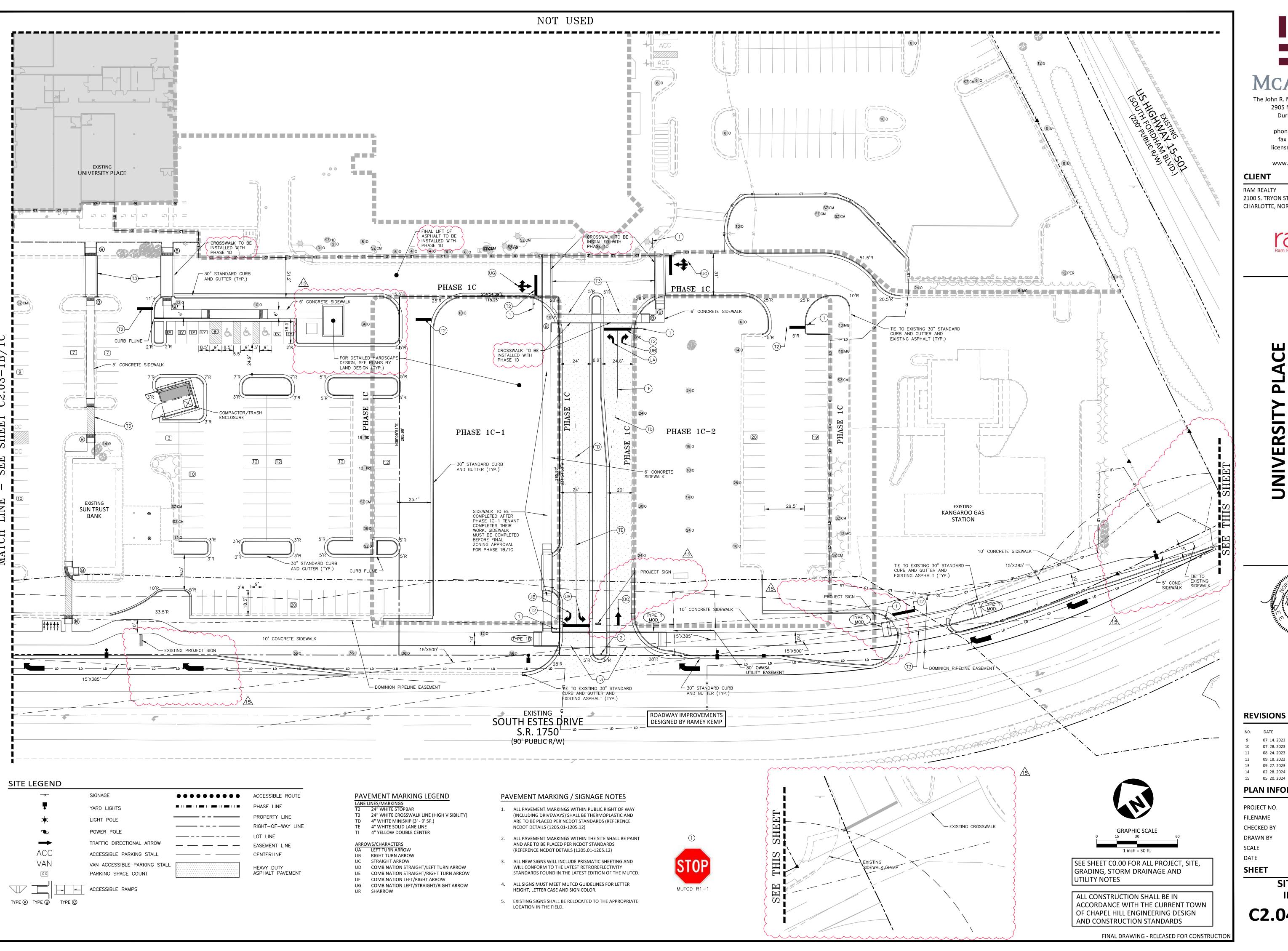
PROJECT NO. RAM-19000 FILENAME RAM19000-S1 CHECKED BY DRAWN BY 1"=30'

09.18.2023

**SITE PLAN -**

C2.03-1B/1C

INSET 'C'



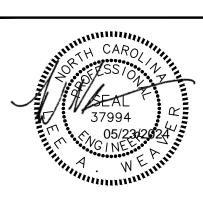
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N0.	DATE	DECRIPTION
9	07. 14. 2023	FIRE HYDRANT REVISION
10	07. 28. 2023	WEST RIN/ROUT
11	08. 24. 2023	CHASE BANK EC PLANS
12	09. 18. 2023	NCDOT-SIDEWALK REVISION
13	09. 27. 2023	5-3 BANK SPOT GRADES
14	02. 28. 2024	CHASE BANK EC SUBMITTAL
15	05. 20. 2024	ZCP UPDATE

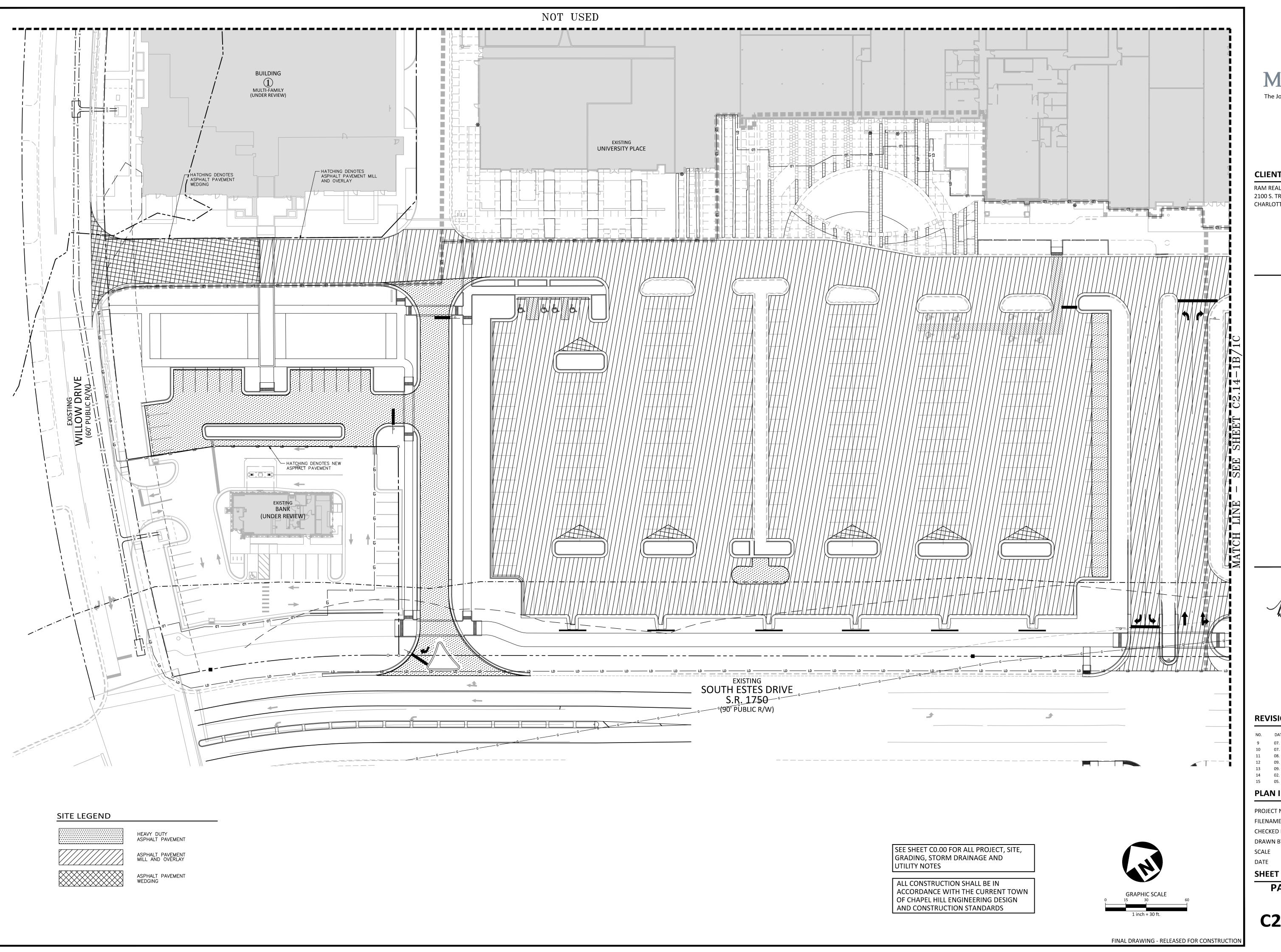
# **PLAN INFORMATION**

PROJECT NO. RAM-19000 FILENAME CHECKED BY DRAWN BY SCALE 1"=30' 09.18.2023

# SHEET

SITE PLAN -INSET 'D'

C2.04-1B/1C





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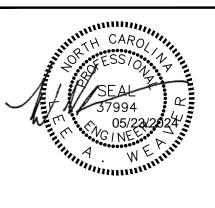
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RAM REALTY

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# **REVISIONS**

١0.	DATE	DECRIPTION
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15	05 20 2024	ZCP UPDATE

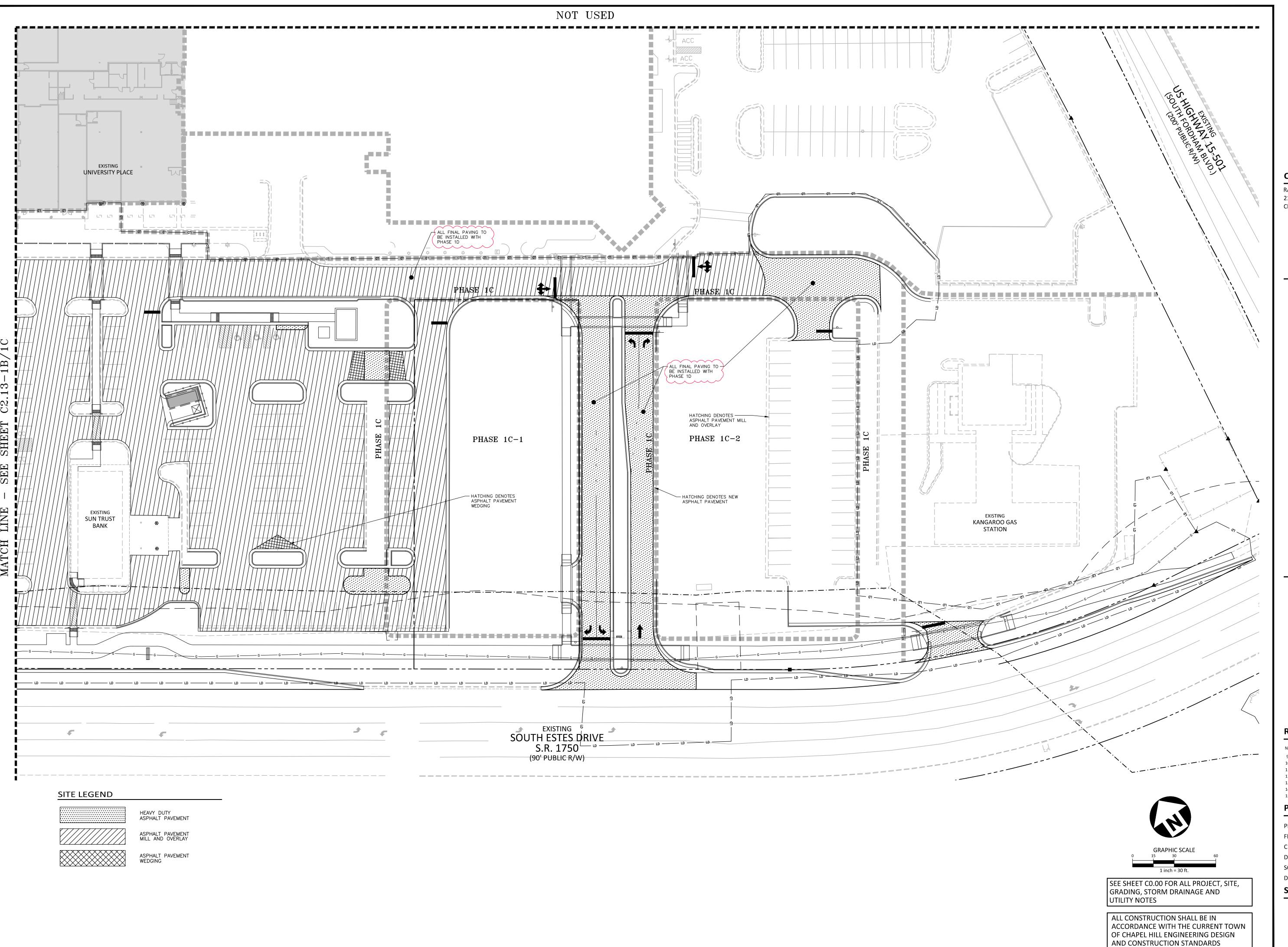
# PLAN INFORMATION

FILENAME CHECKED BY DRAWN BY SCALE DATE 09.18.2023

**PAVEMENT PLAN -**

INSET 'C'

C2.13-1B/1C





# McAdam

The John R. McAdams Company, Inc. 2905 Meridian Parkway Durham, NC 27713

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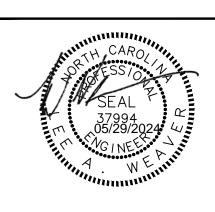
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UNIVERSITY PLACE
PHASE 1B + 1C
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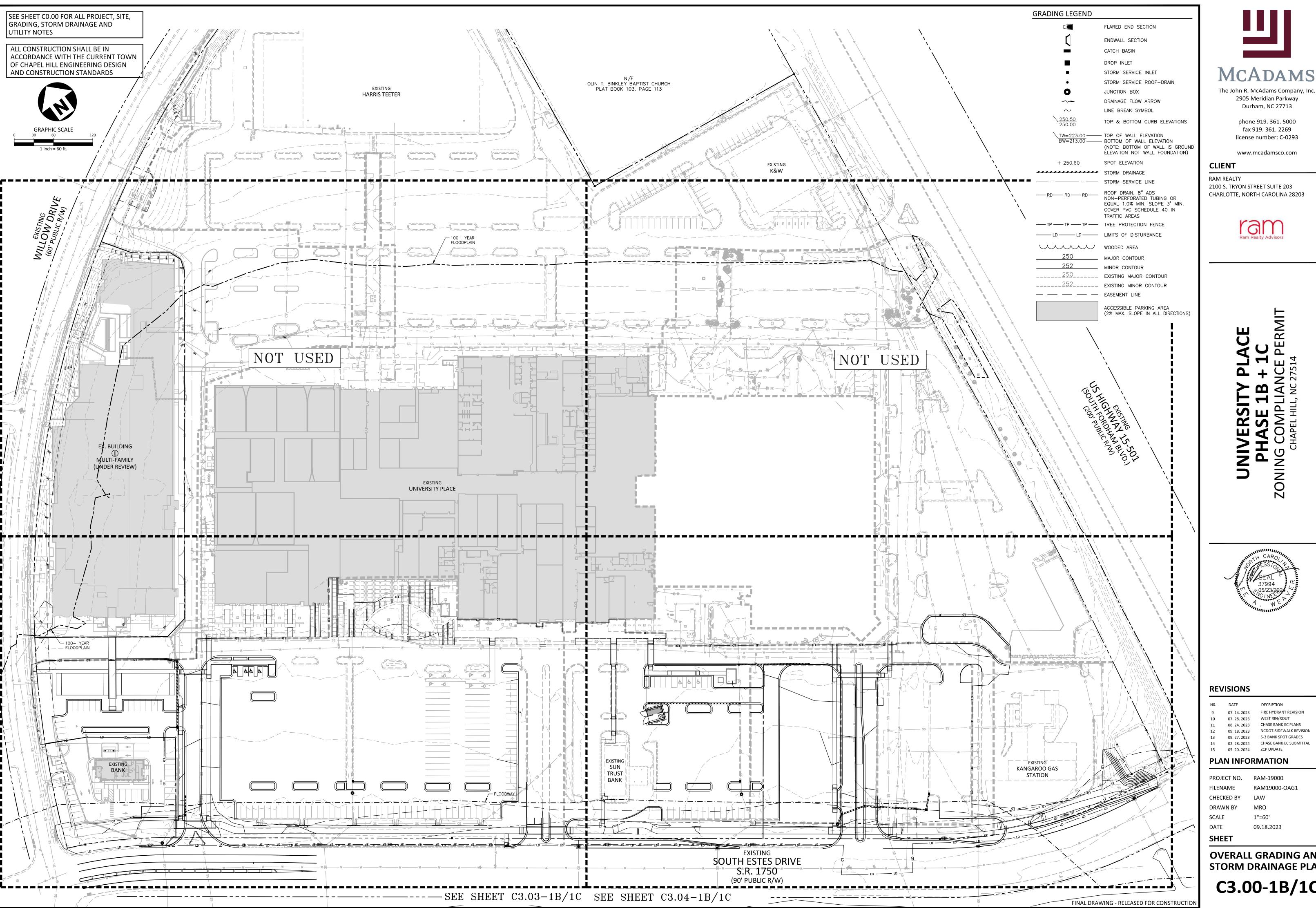
FILENAME RAM19000-S
CHECKED BY LAW
DRAWN BY WHM
SCALE 1"=30'
DATE 09.18.2023

SHEET

FINAL DRAWING - RELEASED FOR CONSTRUCTION

# PAVEMENT PLAN -INSET 'D'

C2.14-1B/1C





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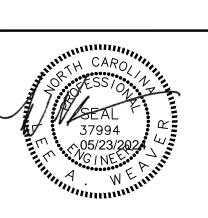
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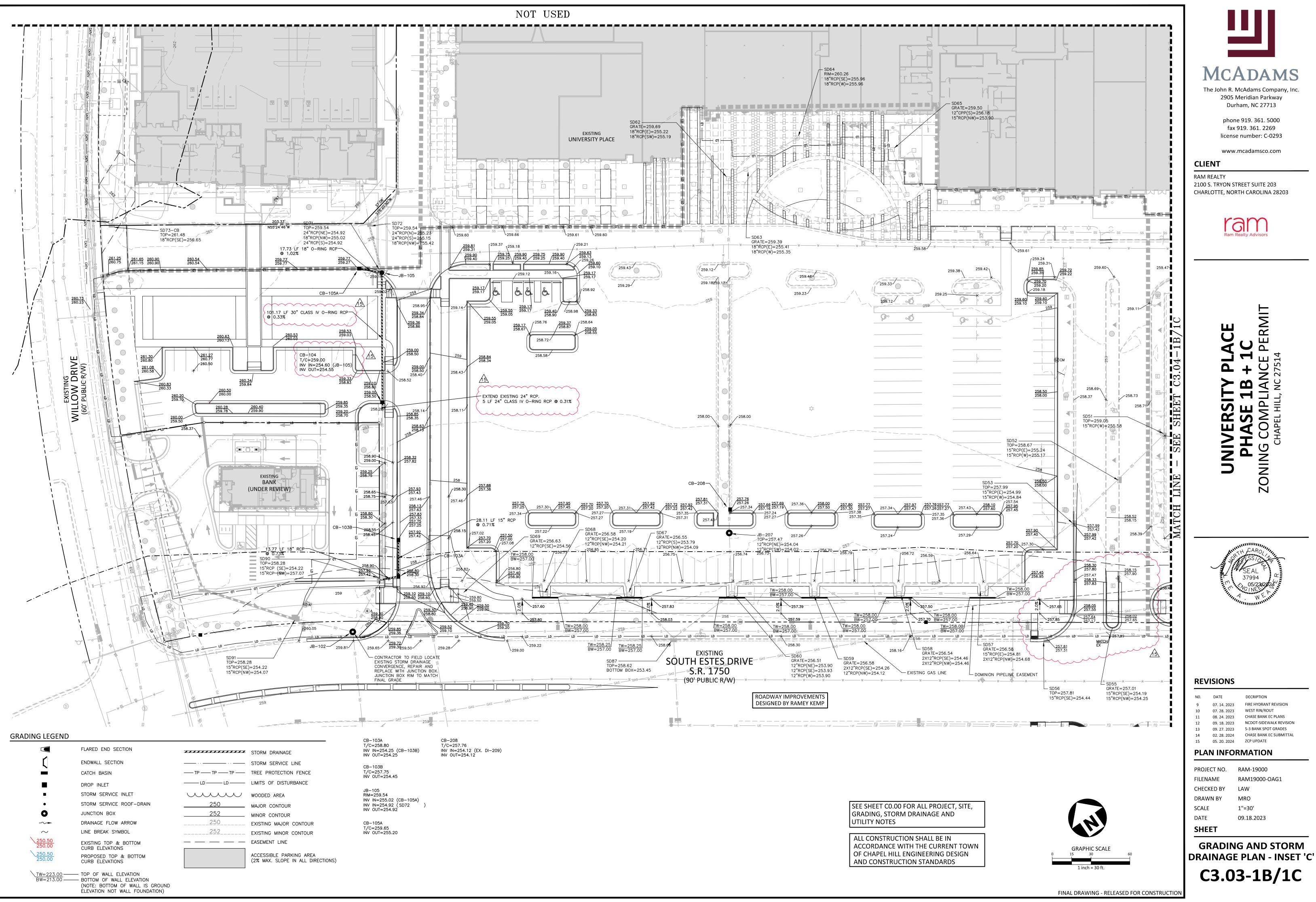




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05 20 2024	7CD LIDDATE

**OVERALL GRADING AND** STORM DRAINAGE PLAN

C3.00-1B/1C





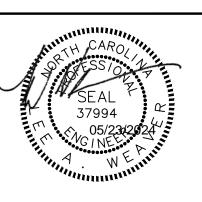
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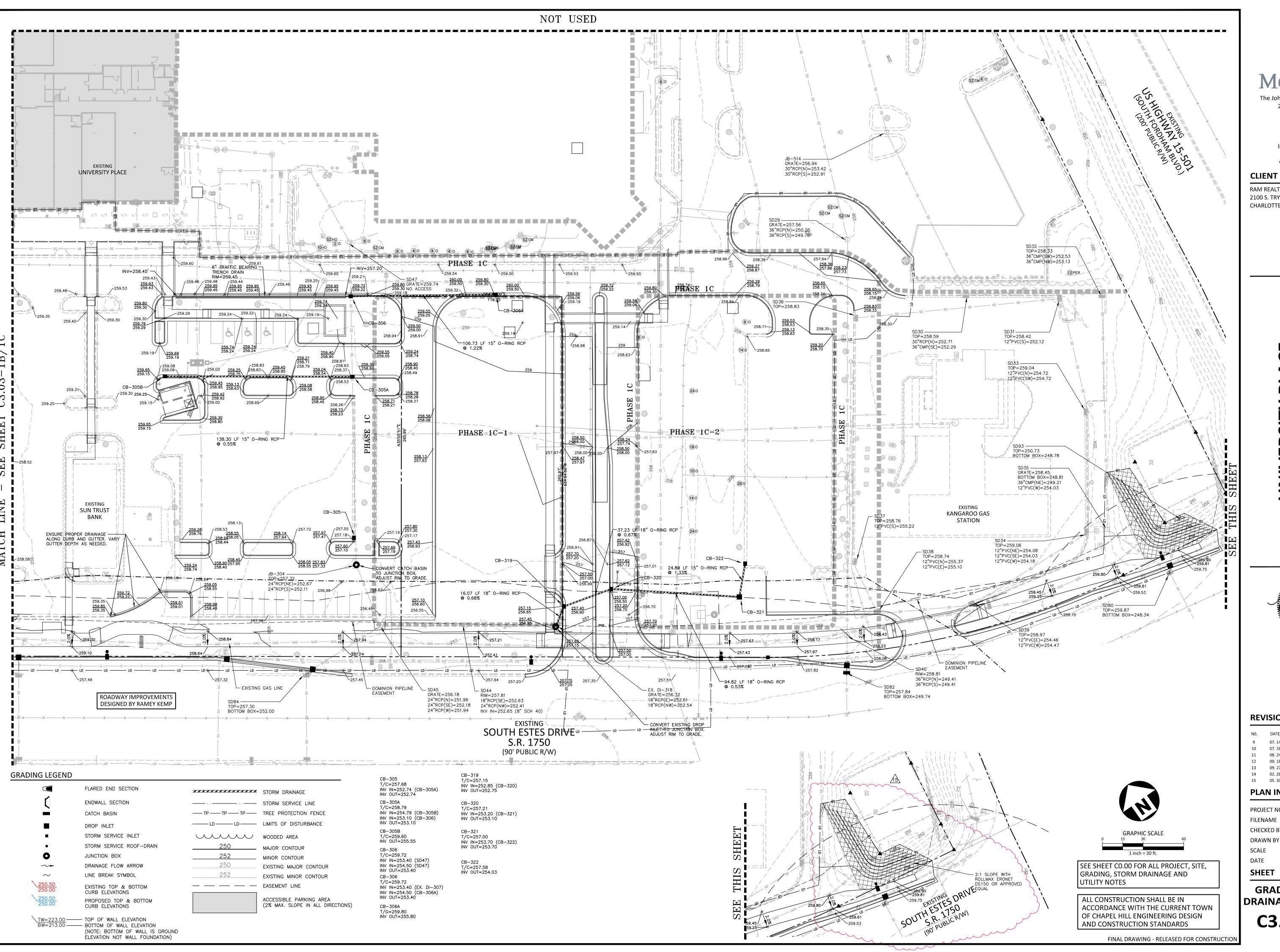
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15	05, 20, 2024	ZCP UPDATE

### **PLAN INFORMATION**

PROJECT NO.	RAM-19000
FILENAME	RAM19000-OAG
CHECKED BY	LAW
DRAWN BY	MRO
SCALE	1"=30'
DATE	09.18.2023

**GRADING AND STORM** 

C3.03-1B/1C



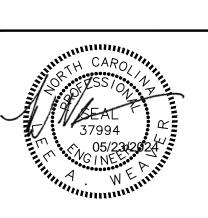


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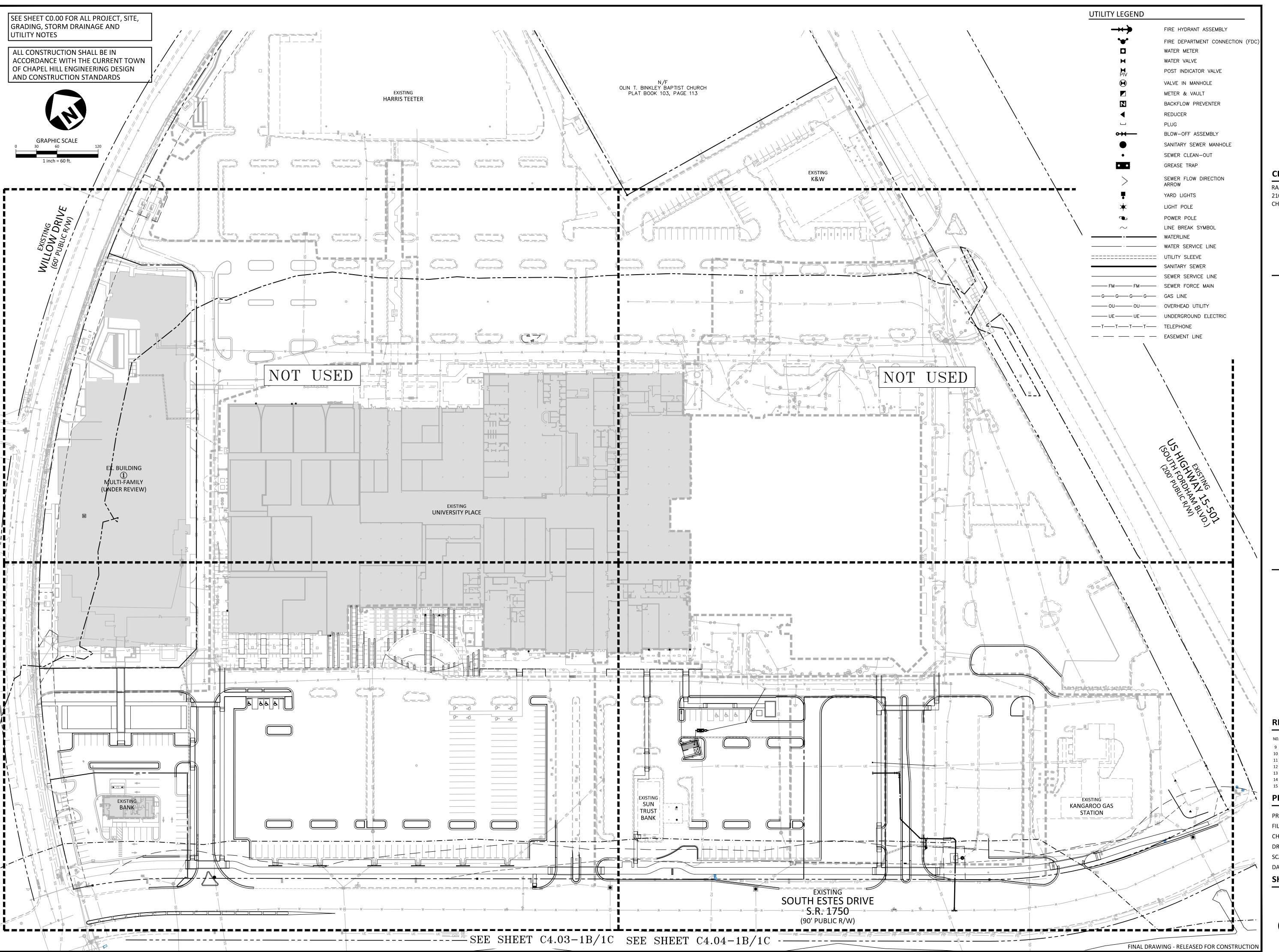
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PROJECT NO.	RAM-19000
FILENAME	RAM19000-OAG1
CHECKED BY	LAW
DRAWN BY	MRO
SCALE	1"=30'
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DATE **SHEET** 

**GRADING AND STORM** DRAINAGE PLAN - INSET 'D'

C3.04-1B/1C





# McAdams

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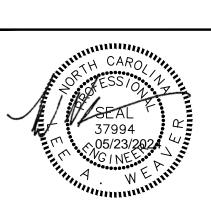
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PROJECT NO. RAM-19000

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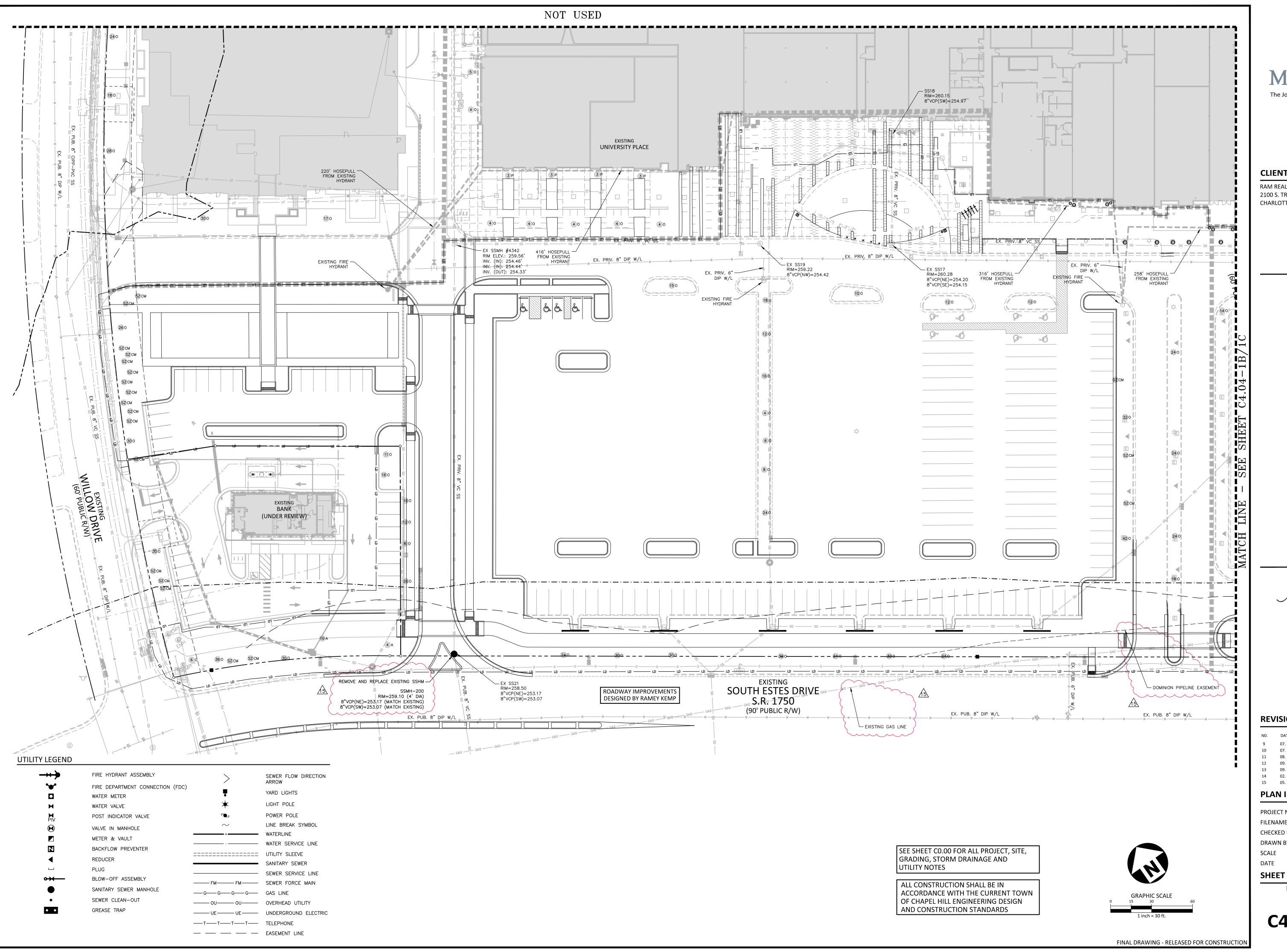
CHECKED BY LAW

DRAWN BY MRO

OATE S**HEET** 

OVERALL UTILITY
PLAN

C4.00-1B/1C





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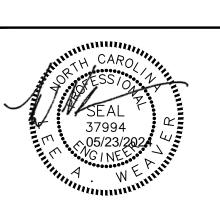
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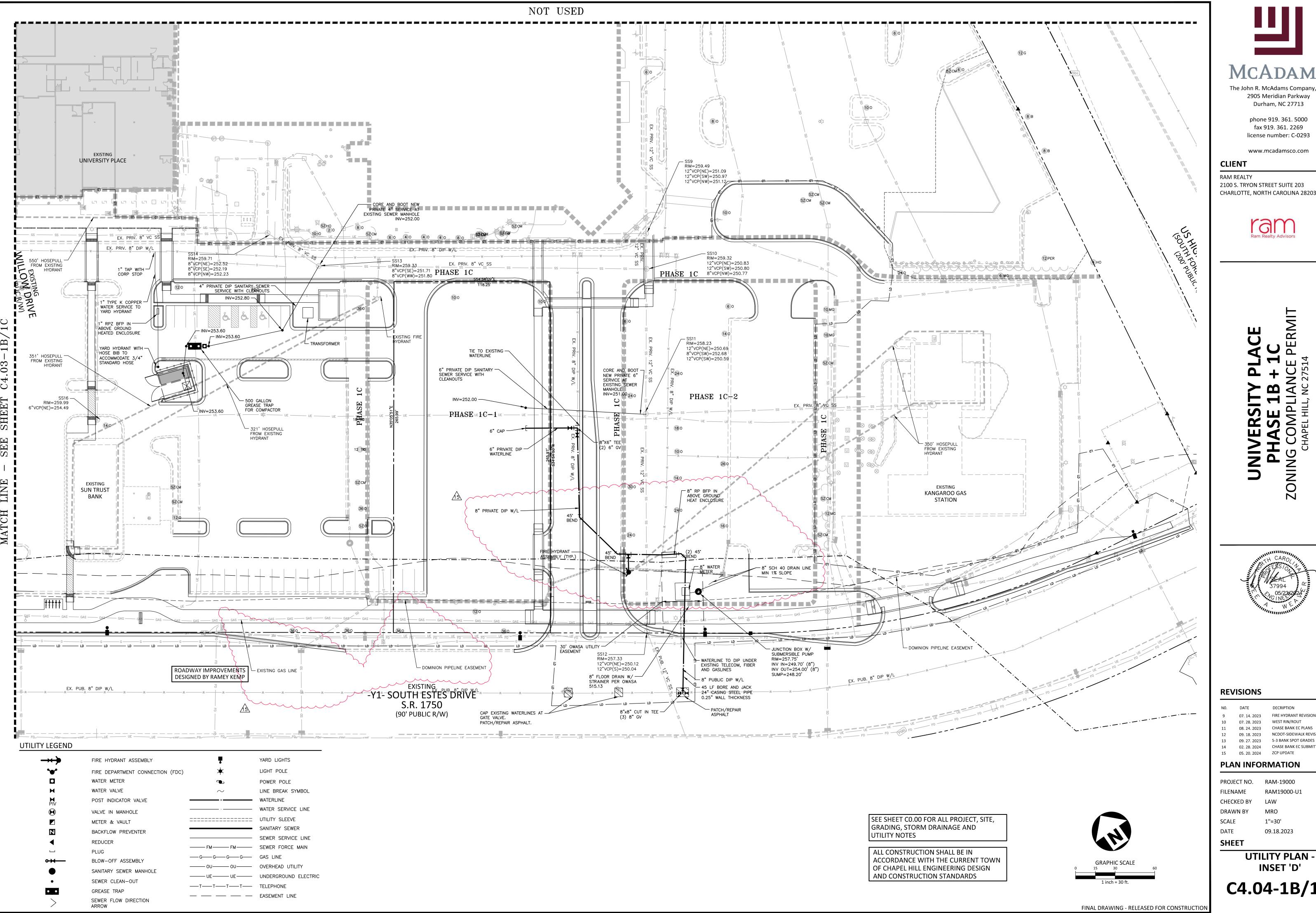
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### **PLAN INFORMATION**

PROJECT NO. RAM-19000 RAM19000-U1 FILENAME CHECKED BY DRAWN BY 1"=30' 09.18.2023

> **UTILITY PLAN -**INSET 'C'

C4.03-1B/1C





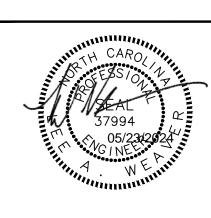
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### REVISIONS

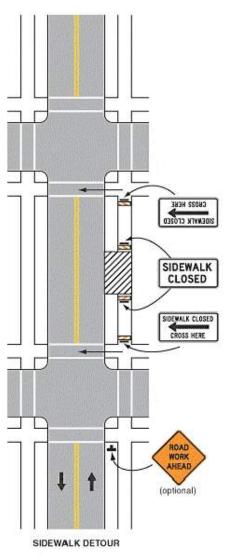
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# PLAN INFORMATION

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> **UTILITY PLAN -**INSET 'D'

C4.04-1B/1C



Typical Application 28

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in

> FIGURE 6H-28 SIDEWALK DETOUR OR DIVERSION (TA-28)

### **CONSTRUCTION MANAGEMENT NOTES:**

- 1. ALL CONSTRUCTION RELATED VEHICULAR TRAFFIC SHALL ENTER/LEAVE THE SITE THROUGH THE TEMPORARY CONSTRUCTION ENTRANCES AS SHOWN ON THE PLAN.
- TEMPORARY CONSTRUCTION ENTRANCES MAY SHIFT INTO SITE IN COORDINATION WITH CONSTRUCTION SEQUENCE/TRAFFIC CONTROL FOR EUBANKS ROAD. SITE CONTRACTOR TO SEE PLANS BY RAMSEY KEMP AND ASSOCIATES AND COORDINATE WITH ROADWAY CONTRACTOR.
- 3. NO OPEN BURNING SHALL BE PERMITTED ON THIS SITE.

BY SECTION 11-40 (B) OF THE NOISE ORDINANCE.

- 4. THE APPLICANT SHALL POST A CONSTRUCTION SIGN ON THE DEVELOPMENT SITE THAT LISTS THE FOLLOWING:
- PROPERTY OWNER'S REPRESENTATIVE & TELEPHONE NUMBER CONTRACTOR'S REPRESENTATIVE & TELEPHONE NUMBER TELEPHONE NUMBER FOR REGULATORY INFO AT TIME OF BUILDING PERMIT
- SIGN MAY BE A MAXIMUM OF 32 SF AND A MAXIMUM HEIGHT OF 8 FT. NO CONSTRUCTION ACTIVITY WHICH WILL BE SUBJECT TO THE TOWN'S NOISE ORDINANCE (ARTICLE III SECTION 11-37~42) SHALL OCCUR BETWEEN NIGHTTIME HOURS AS DEFINED IN

THE TOWN ORDINANCE. THIS MEANS, IN GENERAL, BETWEEN 9 PM AND 7 AM AS DEFINED

LOCATION OF CONSTRUCTION OFFICE, PARKING, AND MATERIAL STORAGE AREA IS APPROXIMATE, AND MAY CHANGE DEPENDING ON ANY ON-SITE CONSTRUCTION SEQUENCE OF THE PROJECT AS IT IS BEING COMPLETED.

### TRAFFIC MANAGEMENT NOTES:

1. TRAFFIC IS NOT INTENDED TO BE INTERRUPTED DURING THE PROPOSED CONSTRUCTION, HOWEVER, NCDOT STANDARD DRAWINGS FOR TEMPORARY LANE CLOSURES (1101.02) AND TEMPORARY ROAD CLOSURES (1101.03) SHALL BE USED IF TEMPORARY TRAFFIC IMPACTS ARE NECESSARY

### TEMPORARY SEEDING SCHEDULE

SEEDING DATE	SEEDING MIXTURE	APPLICATION RATE
JAN 1 - MAY 1	RYE (GRAIN)	120 LBS/AC
	KOBE LESPEDEZA	50 LBS/AC
MAY 1 - AUG 15	GERMAN MILLET	40 LBS/AC
AUG 15 - DEC 30	RYE (GRAIN)	120 LBS/AC

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/AC GROUND AGRICULTURE LIMESTONE AND 750 LB/AC 10-10-10 FERTILIZER (FROM AUG 15 - DEC 30, INCREASE 10-10-10 FERTILIZER TO 1000 LB/AC).

APPLY 4000 LB/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

# <u>MAINTENANCE</u>

JAN 1 - AUG 15: REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

AUG 15 - DEC 30: REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOP DRESS WITH 50 LB/AC OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/AC KOBE LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

NOTE: USE THE TEMPORARY SEEDING SCHEDULE ONLY WHEN DATE IS NOT CORRECT TO USE THE PERMANENT SEEDING SCHEDULE.

### PERMANENT SEEDING SCHEDULE

SEEDING DATE AUG 25 - OCT (BEST)	SEEDING MIXTURE TALL FESCUE	APPLICATION RATE 200 LBS/AC
	RYE (GRAIN) GERMAN MILLET	50 LBS/AC 50 LBS/AC
FEB - APR 15 (POSSIBLE)	TALL FESCUE	200 LBS/AC
SOUL ANAENIDMENTS	RYE (GRAIN) GERMAN MILLET	50 LBS/AC 50 LBS/AC

### FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/AC GROUND AGRICULTURE LIMESTONE AND 1000 LB/AC 10-10-10 FERTILIZER

APPLY 4000 LB/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

INSPECT AND REPAIR MULCH FREQUENTLY. REFERTILIZE IN LATE WINTER OF THE FOLLOWING YEAR; USE SOIL TESTS OR APPLY 150 LB/AC 10-10-10 FERTLIZER. MOW REGULARLY TO A HEIGHT OF 2-4 INCHES.

### **SEEDBED PREPARATION**

AREAS TO BE SEEDED TO BE SCARIFIED 4" DEEP. A FIRM, WELL PULVERIZED, UNIFORM SEEDBED SHOULD BE PROVIDED. FERTILIZER SHALL BE PLACED DURING SCARIFICATION AS FOLLOWS LIME: 45 LBS / 1,000 SF PHOSPHOROUS: 20 LBS / 1,000 SF FERTILIZER: 17 LBS / 1,000 SF

# **EROSION CONTROL NOTES:**

- 1. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. THE CONTRACTOR SHALL CALL FOR A INSPECTION BY ORANGE COUNTY SEDIMENTATION AND EROSION CONTROL (SEC) ONCE INITIAL MEASURES ARE IN PLACE.
- 2. REQUIRED TREE PROTECTION FENCING SHALL BE INSTALLED AND A PRE-CONSTRUCTION CONFERENCE SCHEDULED WITH THE TOWN'S URBAN FORESTER PRIOR TO BEGINNING LAND DISTURBANCE.
- 3. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF
- 4. IN ADDITION TO THE REQUIREMENT DURING CONSTRUCTION FOR THE INSPECTION OF EROSION CONTROL DEVICES AFTER EVERY RAINFALL. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROL DEVICES AND OFFSITE ROADWAYS DAILY, MAKE ANY NECESSARY REPAIRS OR ADJUSTMENTS TO THE DEVICES, REMOVE DEPOSITION OF WET OR DRY SILT ON ADJACENT ROADWAYS AND MAINTAIN INSPECTION LOGS DOCUMENTING THE DAILY INSPECTIONS AND ANY NECESSARY REPAIRS.
- 5. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
- 6. CONSTRUCTION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GRADING CONTRACTOR UNLESS OTHERWISE NOTED.
- 7. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- 8. NO DEBRIS SHALL BE TRACKED ONTO ANY EXISTING PAVED AREAS OR PUBLIC RIGHT OF WAY. IF THE SITUATION OCCURS WHERE MUD, ROCK AND DEBRIS IS TRACKED ONTO PAVEMENT, THE CONTRACTOR SHALL CLEAN THE PAVEMENT AND INSTALL ADDITIONAL MEASURES TO PREVENT THE FUTURE OCCURRENCE.
- 9. DURING THE CONSTRUCTION PHASE, ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED IF THE PROPOSED MEASURES DO NOT CONTAIN THE SEDIMENT ON SITE, THE EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL FIELD MEASURES AS NECESSARY TO PROVIDE ADEQUATE PROTECTION FROM RECEIVING WATER COURSES.
- 10. PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE STRIPPING OF TOPSOIL OR LOWERING OF EXISTING GRADE AROUND A TREE, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA AND SHALL BE POSTED ON THE PROTECTION FENCE. A PROTECTION FENCE CONSTRUCTED OF MATERIAL RESISTANT TO DEGRADATION BY SUN, WIND, AND MOISTURE FOR THE DURATION OF THE CONSTRUCTION, SHALL BE INSTALLED AT THE SAME TIME AS THE EROSION CONTROL MEASURES AND SHALL BE IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE.
- 11. A CONSTRUCTION SEQUENCE HAS BEEN PROVIDED. INSTALLATION OF ALL PROPOSED SEDIMENTATION & EROSION CONTROL MEASURES IN THE SEQUENCE(S) PROVIDED AND MAINTENANCE OF THOSE DEVICES IS REQUIRED. THE CONTRACTOR MAY BE ALLOWED. WITH PRIOR APPROVAL FROM THE OWNER. TO COORDINATE CHANGES TO THE PLAN WITH THE ON-SITE SEDIMENTATION & EROSION CONTROL INSPECTOR AND THE ENGINEER.
- 12. PROVIDE INLET PROTECTION AROUND ALL SITE STORM INLETS. PROTECT OPEN PIPES UNDER CONSTRUCTION WITH EITHER PLYWOOD OR WITH MESH AND GRAVEL WEIRS. RUNOFF SHALL NOT BE ALLOWED IN ANY OPEN TRENCH.
- 13. CONTRACTOR TO VERIFY SILT FENCE OUTLET PLACEMENT AT LOW POINTS AS THEY EXIST OR DEVELOP. ADDITIONAL SILT FENCE OUTLETS MAY BE REQUIRED TO PREVENT EROSION DURING AND AFTER CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES. IF ADDITIONAL SILT FENCE OUTLETS ARE NECESSARY, CONTRACTOR TO ADD ADDITIONAL SILT FENCE OUTLETS PER ENGINEER, NCDEQ EROSION CONTROL INSPECTOR, OR OWNER DIRECTION, IF PONDING OF WATER OR SEDIMENT OCCURS ALONG SILT FENCE. CONTRACTOR SHALL INSTALL AN ADDITIONAL SILT FENCE OUTLET.
- 14. TEMPORARY DIVERSIONS SHALL BE MAINTAINED DAILY BY CONTRACTOR SO THAT THEY ARE FUNCTIONAL AT THE END OF EACH WORKDAY AND WHEN STOPPING WORK FOR RAIN.

### **CONTRACTOR'S MAINTENANCE PLAN:**

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN ALL MEASURES AS DESIGNED.
- 2. SEDIMENT BASINS SHALL BE INSPECTED REGULARLY DURING LAND DISTURBING ACTIVITIES AND AFTER EACH RUNOFF-PRODUCING RAINFALL. SEDIMENT SHALL BE REMOVED AND THE BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF EACH BASIN. PORTIONS OF THE BASIN'S GRAVEL FACING THAT ARE CONTAMINATED BY SEDIMENT SHALL BE REPLACED WITH FRESH GRAVEL DURING EACH SEDIMENT REMOVAL EPISODE.
- 3. SEDIMENT FENCES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EACH RUNOFF PRODUCING RAINFALL, REPAIRS SHALL BE MADE IMMEDIATELY, SEDIMENT DEPOSITS SHALL BE REMOVED AS NEEDED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAINFALL EVENT. AND TO REDUCE PRESSURE ON THE FENCE. FENCING MATERIALS AND SEDIMENT DEPOSITS SHALL BE REMOVED, AND THE AREA BROUGHT TO GRADE FOLLOWING STABILIZATION OF UPGRADIENT DISTURBED AREAS.
- 4. DIVERSION DITCHES MUST REMAIN IN PLACE UNTIL PROJECT IS STABILIZED
- 5. EROSION CONTROL DURING SITE CONSTRUCTION WILL BE ACCOMPLISHED BY USE OF SILT FENCING AND SILT FENCE OUTLETS. DEVICES MUST BE EMPTIED WHEN SEDIMENT ACCUMULATION HAS REACHED 6" DEPTH.

### **CONSTRUCTION SEQUENCE - STAGE 1**

- 1. OBTAIN A LAND-DISTURBING PERMIT AND SCHEDULE A PRECONSTRUCTION CONFERENCE WITH ORANGE COUNTY EROSION CONTROL OFFICER, WESLEY POOLE (919)245.2587. THE PRECONSTRUCTION MEETING SHALL INCLUDE A REPRESENTATIVE FROM OWASA, TOWN OF CHAPEL HILL, TOWN OF CHAPEL HILL URBAN
- NOTE: INSTALL A RURAL TYPE MAILBOX ON THE SITE TO HOLD A COPY OF THE APPROVED EROSION CONTROL PLAN AND TO PROVIDE A PLACE FOR INSPECTORS TO LEAVE INSPECTION REPORT, COMPLIANCE NOTICES, ETC.
- 2. INSTALL GRAVEL CONSTRUCTION ENTRANCE(S) PER PLAN. ALSO INSTALL TEMPORARY SILT FENCING WITH OUTLETS AS SHOWN.
- 3. CONTRACTOR SHALL CLEAR ONLY THOSE AREAS NECESSARY TO ACCESS AND INSTALL INITIAL PERIMETER DEVICES. INSTALL INLET PROTECTION ON EXISTING INLETS AS SHOWN.
- 4. INSTALL INLET PROTECTION PER ORANGE COUNTY SEC STANDARDS AND SPECIFICATIONS ON ALL SPECIFIED

5. CALL 919.245.2587 FOR ON-SITE INSPECTION BY ORANGE COUNTY EROSION CONTROL.

- 6. BEGIN CLEARING, DEMOLITION OF EXISTING ASPHALT AND GRAVEL AREAS, AND GENERAL GRADING OF STAGE 1 AREA. MAINTAIN DEVICES AS NEEDED.
- 7. NO MUD SHALL BE TRACKED ONTO EXISTING PAVEMENT OR A NOTICE OF VIOLATION FROM THE EROSION CONTROL DEPARTMENT MAY ENSUE. ADDITIONAL MEASURES MAY BE NECESSARY TO ASSURE THAT NO SEDIMENT LEAVES THE SITE.
- 8. PROVIDE ALL DISTURBED AREAS WITH GROUND COVER WITHIN 14 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF CLEARING, GRUBBING OR GRADING. THE SEEDING, SEEDBED PREPARATION, MULCH AND/OR ROLLED EROSION CONTROL PRODUCT INSTALLATION MUST BE IN ACCORDANCE WITH THE SEEDING SCHEDULE PROVIDED IN THIS S&E PLAN. NOTE: SLOPES IN EXCESS OF 3H:1V SHALL BE STABILIZED WITHIN 7 DAYS AND FOR MODERATE SLOPES (SLOPES LESS THAN 3H:1V) SHALL BE STABILIZED WITHIN 14 DAYS.
- 9. WITH APPROVAL FROM ORANGE COUNTY EROSION CONTROL INSPECTOR, CONTINUE TO STAGE 2.

# CONSTRUCTION SEQUENCE - STAGE 2

- 1. CONSTRUCT STORM DRAIN SYSTEM AS SHOWN.
- 2. INSTALL INLET PROTECTION ON ALL INLET STRUCTURES DURING CONSTRUCTION.
- 3. PROVIDE ALL DISTURBED AREAS WITH GROUND COVER WITHIN 14 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF CLEARING, GRUBBING OR GRADING. THE SEEDING, SEEDBED PREPARATION, MULCH AND/OR ROLLED EROSION CONTROL PRODUCT INSTALLATION MUST BE IN ACCORDANCE WITH THE SEEDING SCHEDULE PROVIDED IN THIS S&E PLAN. NOTE: SLOPES IN EXCESS OF 3H:1V SHALL BE STABILIZED WITHIN 7 DAYS AND FOR MODERATE SLOPES (SLOPES LESS THAN 3H:1V) SHALL BE STABILIZED WITHIN 14 DAYS.
- 4. AT THE CONCLUSION OF BUILDING OR IF LAND-DISTURBING ACTIVITY IS STOPPED FOR MORE THAN 14 CONSECUTIVE CALENDAR DAYS, PERMANENT VEGETATIVE COVER SHALL BE INSTALLED IN ACCORDANCE WITH
- 5. WHEN SITE IS AT FINAL GRADE AND NO FURTHER GRADING IS NECESSARY, CONTRACTOR SHALL STABILIZE PORTIONS OF THE SITE WITH SEED/MULCH UNTIL FINAL LANDSCAPING IS INSTALLED.
- CONTINUE TO STAGE 3.

### **CONSTRUCTION SEQUENCE - STAGE 3**

TYPE 2 BARRICADE \*\*

FIGURE 6F-7

CHANNELIZING DEVICES - SIDEWALK BARRICADE

\*\*RAIL STRIPE WIDTHS SHALL BE 6 INCHES, EXCEPT THAT 4-INCH

WIDE STRIPS MAY BE USED IF RAIL LENGTHS ARE LESS THAN 36

INCHES. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE

1. ALL SIGNAGE SHALL BE COORDINATED WITH TOWN OF CHAPEL HILL

NCDOT PEDESTRIAN SAFETY SPECIFICATIONS.

COMPLIANT WITH 2009 MUTCD SECTION 6F.63.

1. ROUTE SHALL BE ACCESSIBLE AT ALL TIMES PER ADA.

PEDESTRIAN MANAGEMENT NOTES

2. KEEP PEDESTRIAN ROUTE CLEAR OF CONSTRUCTION ACTIVITIES.

3. UNIQUE PEDESTRIANS NEEDS SHALL BE COORDINATED WITH THE

2. ALL SIGNAGE SHALL MEET MUTCD STANDARDS AND SPECIFICATIONS AND

3. ALL PEDESTRIAN SIGNAGE SHALL BE MOUNTED ON TYPE 2 BARRICADES

\*WARNING LIGHTS (OPTIONAL)

RETROREFLECTIVE RAIL FACES.

SIGNAGE NOTES

- 1. INSTALL GRAVEL CONSTRUCTION ENTRANCE(S) PER PLAN. ALSO INSTALL TEMPORARY SILT FENCING WITH
- 2. CONTRACTOR SHALL CLEAR ONLY THOSE AREAS NECESSARY TO ACCESS AND INSTALL INITIAL PERIMETER DEVICES. INSTALL INLET PROTECTION ON EXISTING INLETS AS SHOWN.
- 3. INSTALL INLET PROTECTION PER ORANGE COUNTY SEC STANDARDS AND SPECIFICATIONS ON ALL SPECIFIED
- 4. CALL 919.245.2587 FOR ON-SITE INSPECTION BY ORANGE COUNTY EROSION CONTROL.
- 5. BEGIN CLEARING, DEMOLITION OF EXISTING ASPHALT AND GRAVEL AREAS, AND GENERAL GRADING OF STAGE
- 6. NO MUD SHALL BE TRACKED ONTO EXISTING PAVEMENT OR A NOTICE OF VIOLATION FROM THE EROSION CONTROL DEPARTMENT MAY ENSUE. ADDITIONAL MEASURES MAY BE NECESSARY TO ASSURE THAT NO SEDIMENT LEAVES THE SITE.
- PROVIDE ALL DISTURBED AREAS WITH GROUND COVER WITHIN 14 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF CLEARING, GRUBBING OR GRADING. THE SEEDING, SEEDBED PREPARATION, MULCH AND/OR ROLLED EROSION CONTROL PRODUCT INSTALLATION MUST BE IN ACCORDANCE WITH THE SEEDING SCHEDULE PROVIDED IN THIS S&E PLAN. NOTE: SLOPES IN EXCESS OF 3H:1V SHALL BE STABILIZED WITHIN 7 DAYS AND FOR MODERATE SLOPES (SLOPES LESS THAN 3H:1V) SHALL BE STABILIZED WITHIN 14 DAYS.
- 8. WITH APPROVAL FROM ORANGE COUNTY EROSION CONTROL INSPECTOR, CONTINUE TO STAGE 4.

# **CONSTRUCTION SEQUENCE - STAGE 4**

- 1. CONSTRUCT STORM DRAIN SYSTEM AS SHOWN.
- 2. INSTALL INLET PROTECTION ON ALL INLET STRUCTURES DURING CONSTRUCTION.
- 3. PROVIDE ALL DISTURBED AREAS WITH GROUND COVER WITHIN 14 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF CLEARING, GRUBBING OR GRADING. THE SEEDING, SEEDBED PREPARATION, MULCH AND/OR ROLLED EROSION CONTROL PRODUCT INSTALLATION MUST BE IN ACCORDANCE WITH THE SEEDING SCHEDULE PROVIDED IN THIS S&E PLAN. NOTE: SLOPES IN EXCESS OF 3H:1V SHALL BE STABILIZED WITHIN 7 DAYS AND FOR MODERATE SLOPES (SLOPES LESS THAN 3H:1V) SHALL BE STABILIZED WITHIN 14 DAYS.
- 4. AT THE CONCLUSION OF BUILDING OR IF LAND-DISTURBING ACTIVITY IS STOPPED FOR MORE THAN 14 CONSECUTIVE CALENDAR DAYS, PERMANENT VEGETATIVE COVER SHALL BE INSTALLED IN ACCORDANCE WITH
- 5. WHEN SITE IS AT FINAL GRADE AND NO FURTHER GRADING IS NECESSARY, CONTRACTOR SHALL STABILIZE PORTIONS OF THE SITE WITH SEED/MULCH UNTIL FINAL LANDSCAPING IS INSTALLED.
- 6. WHEN CONSTRUCTION IS COMPLETE, CALL OCEC TO OBTAIN FINAL INSPECTION AND CERTIFICATE OF COMPLETION TO CLOSE OUT EROSION CONTROL PERMIT.

### **CONSTRUCTION SEQUENCE - CHASE BANK PAD**

- INSTALL GRAVEL CONSTRUCTION ENTRANCE(S) PER PLAN. INSTALL TEMPORARY SILT FENCING WITH OUTLETS
- CONTRACTOR SHALL CLEAR ONLY THOSE AREAS NECESSARY TO ACCESS AND INSTALL INITIAL PERIMETER DEVICES. INSTALL INLET PROTECTION ON EXISTING INLETS AS SHOWN.
- 3. INSTALL INLET PROTECTION PER ORANGE COUNTY SEC STANDARDS AND SPECIFICATIONS ON ALL SPECIFIED
- 4. CALL 919.245.2587 FOR ON-SITE INSPECTION BY ORANGE COUNTY EROSION CONTROL.
- 5. BEGIN CLEARING, DEMOLITION OF EXISTING ASPHALT AND GRAVEL AREAS, AND GENERAL GRADING OF STAGE 1
- NO MUD SHALL BE TRACKED ONTO EXISTING PAVEMENT OR A NOTICE OF VIOLATION FROM THE EROSION CONTROL DEPARTMENT MAY ENSUE. ADDITIONAL MEASURES MAY BE NECESSARY TO ASSURE THAT NO SEDIMENT LEAVES THE SITE.
- PROVIDE ALL DISTURBED AREAS WITH GROUND COVER WITHIN 14 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF CLEARING, GRUBBING OR GRADING. THE SEEDING, SEEDBED PREPARATION, MULCH AND/OR ROLLED EROSION CONTROL PRODUCT INSTALLATION MUST BE IN ACCORDANCE WITH THE SEEDING SCHEDULE PROVIDED IN THIS S&E PLAN. NOTE: SLOPES IN EXCESS OF 3H:1V SHALL BE STABILIZED WITHIN 7 DAYS AND FOR MODERATE SLOPES (SLOPES LESS THAN 3H:1V) SHALL BE STABILIZED WITHIN 14 DAYS.
- 8. CONSTRUCT STORM DRAIN SYSTEM AS SHOWN.
- 9. INSTALL INLET PROTECTION ON ALL INLET STRUCTURES DURING CONSTRUCTION.
- 10. AT THE CONCLUSION OF BUILDING OR IF LAND-DISTURBING ACTIVITY IS STOPPED FOR MORE THAN 14 CONSECUTIVE CALENDAR DAYS, PERMANENT VEGETATIVE COVER SHALL BE INSTALLED IN ACCORDANCE WITH
- 11. WHEN SITE IS AT FINAL GRADE AND NO FURTHER GRADING IS NECESSARY, CONTRACTOR SHALL STABILIZE PORTIONS OF THE SITE WITH SEED/MULCH UNTIL FINAL LANDSCAPING IS INSTALLED.

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE 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 AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)

### BUILDING WASTES HANDLING

- NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS
- DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE.
- EARTHEN-MATERIAL STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE.
- CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATER, WETLANDS, OR BUFFERS.

D	
S ET IN	
R QW	
R	

### **EROSION CONTROL LEGEND** SILT FENCE OUTLET

FOR EXISTING STRUCTURES TEMPORARY SLOPE DRAIN

FILTER BERM

CHECK DAM

WOODED AREA

DIVERSION DITCH

TREE PROTECTION FENCE

LIMITS OF DISTURBANCE

INLET PROTECTION

INLET PROTECTION

— SF — SF — SILT FENCE

CONSTRUCTION ENTRANCE/EXIT

SEE SHEET CO.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF CHAPEL HILL ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

FINAL DRAWING - RELEASED FOR CONSTRUCTION



The John R. McAdams Company, Inc 2905 Meridian Parkway Durham, NC 27713

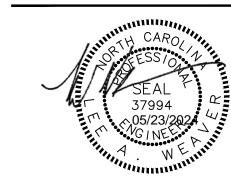
> phone 919. 361. 5000 fax 919. 361. 2269 license number: C-0293

> www.mcadamsco.com

### CLIENT

RAM REALTY 2100 S. TRYON STREET SUITE 203 CHARLOTTE, NORTH CAROLINA 28203





# **REVISIONS**

NO. DATE DECRIPTION FIRE HYDRANT REVISION WEST RIN/ROUT 07. 28. 2023 CHASE BANK EC PLANS 11 08. 24. 2023 NCDOT-SIDEWALK REVISION 12 09. 18. 2023 5-3 BANK SPOT GRADES 13 09. 27. 2023 14 02. 28. 2024 CHASE BANK EC SUBMITTAL 15 05. 20. 2024 ZCP UPDATE

PLAN INFORMATION

RAM-19000 PROJECT NO. FILENAME RAM19000-EC1 CHECKED BY DRAWN BY

SCALE

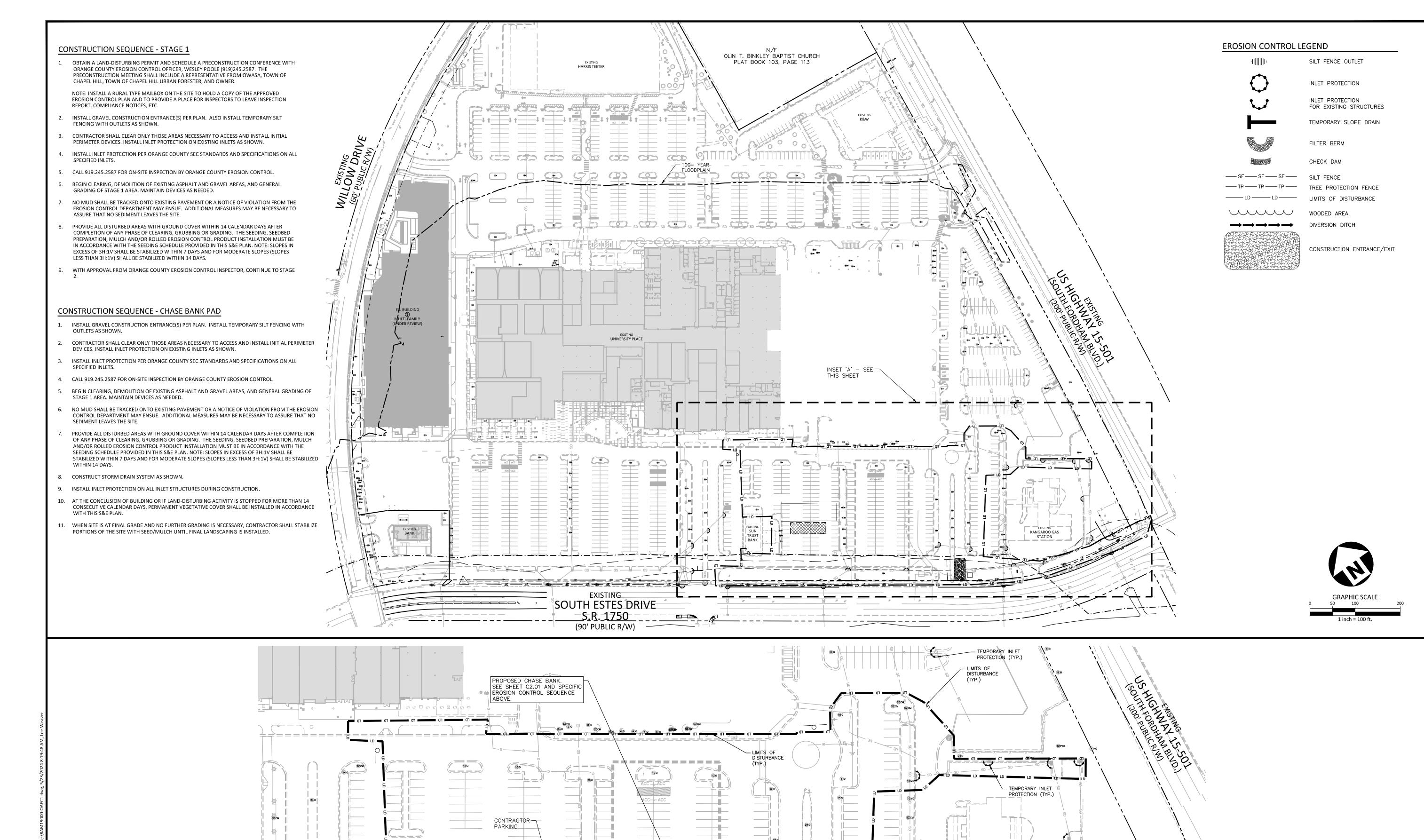
DATE

SHEET

**EROSION CONTROL** & CM NOTES

09.18.2023

C6.01-1B/1C



TEMPORARY INLET -

SILT FENCE OUTLET AT SILT FENCE SILT SILT FENCE (TYP.)

INSET A

EXISTING

KANGAROO GAS

SILT FENCE OUTLET AT -

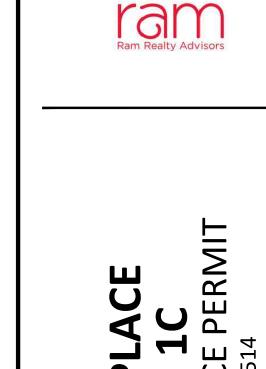
- CONCRETE WASHOUT

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

EXISTING

SUN

**TRUST** BANK



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license number: C-0293

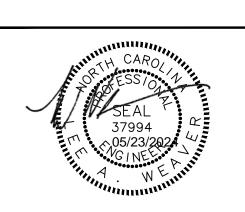
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CHARLOTTE, NORTH CAROLINA 28203

CLIENT

RAM REALTY



# **REVISIONS**

N0.	DATE	DECRIPTION
9	07. 14. 2023	FIRE HYDRANT REVISION
10	07. 28. 2023	WEST RIN/ROUT
11	08. 24. 2023	CHASE BANK EC PLANS
12	09. 18. 2023	NCDOT-SIDEWALK REVISION
13	09. 27. 2023	5-3 BANK SPOT GRADES
14	02. 28. 2024	CHASE BANK EC SUBMITTAL
15	05. 20. 2024	ZCP UPDATE

# PLAN INFORMATION

PROJECT NO. RAM-19000 FILENAME RAM19000-OAS1 CHECKED BY DRAWN BY SCALE DATE 09.18.2023

SHEET

**EROSION CONTROL &** CM PLAN - STAGE 1

C6.02-1B/1C

FINAL DRAWING - RELEASED FOR CONSTRUCTION

SEE SHEET CO.00 FOR ALL PROJECT, SITE,

ACCORDANCE WITH THE CURRENT TOWN OF CHAPEL HILL ENGINEERING DESIGN

GRADING, STORM DRAINAGE AND

ALL CONSTRUCTION SHALL BE IN

AND CONSTRUCTION STANDARDS

**UTILITY NOTES**