



McADAMS

The John R. McAdams Company, Inc.
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CLIENT

RAM REALTY
127 W. WORTHINGTON AVE, SUITE 290
CHARLOTTE, NORTH CAROLINA 28203



UNIVERSITY PLACE
MULTI-FAMILY
ZONING COMPLIANCE PERMIT
CHAPEL HILL, NC 27514



REVISIONS

Table with 3 columns: NO., DATE, DESCRIPTION

PLAN INFORMATION

Table with 2 columns: FIELD, VALUE (PROJECT NO., FILENAME, CHECKED BY, DRAWN BY, SCALE, DATE)

SHEET

EROSION CONTROL
NOTES

C6.00

TEMPORARY SEEDING SCHEDULE

Table with 3 columns: SEEDING DATE, SEEDING MIXTURE, APPLICATION RATE

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/AC GROUND AGRICULTURE LIMESTONE AND 750 LB/AC 10-10-10 FERTILIZER

MULCH
APPLY 4000 LB/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL.

MAINTENANCE
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

Table with 3 columns: SEEDING DATE, SEEDING MIXTURE, APPLICATION RATE

FEB - APR 15 (POSSIBLE) TALL FESCUE 200 LBS/AC
RYE (GRAIN) 50 LBS/AC
GERMAN MILLET 50 LBS/AC

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

MULCH
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.

MAINTENANCE
INSPECT AND REPAIR MULCH FREQUENTLY. REFERTILIZE IN LATE WINTER OF THE FOLLOWING YEAR; USE SOIL TESTS OR APPLY 150 LB/AC 10-10-10 FERTILIZER. 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

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.



Know what's below.
Call before you dig.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

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 THE DEVICE.
4. IN ADDITION TO THE REQUIREMENT DURING CONSTRUCTION FOR THE INSPECTION OF EROSION 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.

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 FORESTER, AND OWNER.
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 INLETS.
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. CONTINUE MASS GRADING FROM STAGE 1.
2. UTILIZE THE SUITABLE BACKFILL MATERIAL FROM EXCAVATION. RELOCATE AND ADJUST TEMPORARY DIVERSION DITCHES AS NECESSARY. DIVERSION DITCHES SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL SITE IS STABILIZED.
3. CONSTRUCT STORM DRAIN SYSTEM AS SHOWN.
4. INSTALL INLET PROTECTION ON ALL INLET STRUCTURES DURING CONSTRUCTION.
5. 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.
6. 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 THIS S&E PLAN.
7. 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.

CONSTRUCTION SEQUENCE - STAGE 3

- 1. CONTINUE MASS GRADING FROM STAGE 2.
2. UTILIZE THE SUITABLE BACKFILL MATERIAL FROM EXCAVATION. RELOCATE AND ADJUST TEMPORARY DIVERSION DITCHES AS NECESSARY. DIVERSION DITCHES SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL SITE IS STABILIZED.
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 THIS S&E PLAN.
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.



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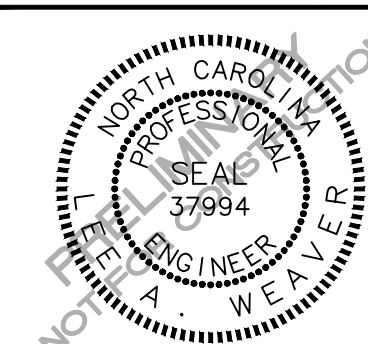
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127 W. WORTHINGTON AVE, SUITE 290
CHARLOTTE, NORTH CAROLINA 28203



**UNIVERSITY PLACE
MULTI-FAMILY
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CHAPEL HILL, NC 27514



REVISIONS

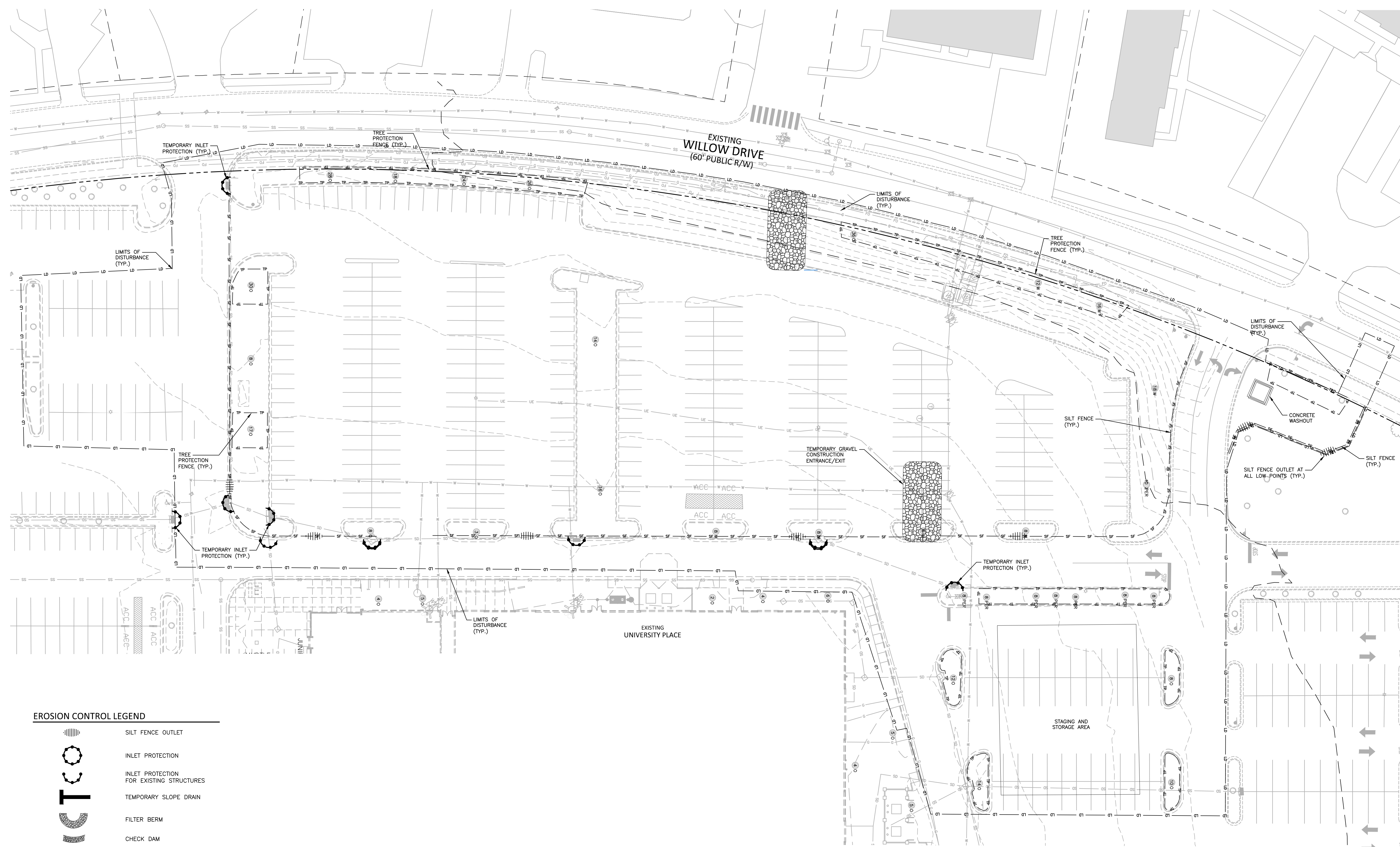
NO.	DATE	DESCRIPTION

PLAN INFORMATION

PROJECT NO. 2021110354
 FILENAME RAM19000-EC2
 CHECKED BY LAW
 DRAWN BY MRO
 SCALE 1"=30'
 DATE 07.16.2021

SHEET

**EROSION CONTROL
PLAN - STAGE 1
C6.01**

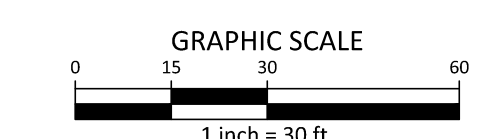


EROSION CONTROL LEGEND

- SILT FENCE OUTLET
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING STRUCTURES
- TEMPORARY SLOPE DRAIN
- FILTER BERM
- CHECK DAM
- SILT FENCE
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

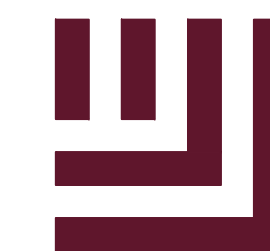
SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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



DISTURBED AREA = 3.75 AC.

X:\Projects\RAM\RAM 19000\04-Production\Engineering\Construction Drawings\Multi-Family\Current Drawings\RAM19000-EC2.dwg, 7/16/2021, 10:08:22 AM, Malloy, Dilecia



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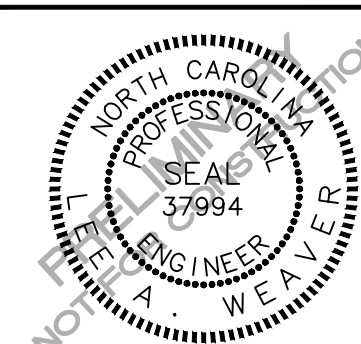
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REVISIONS

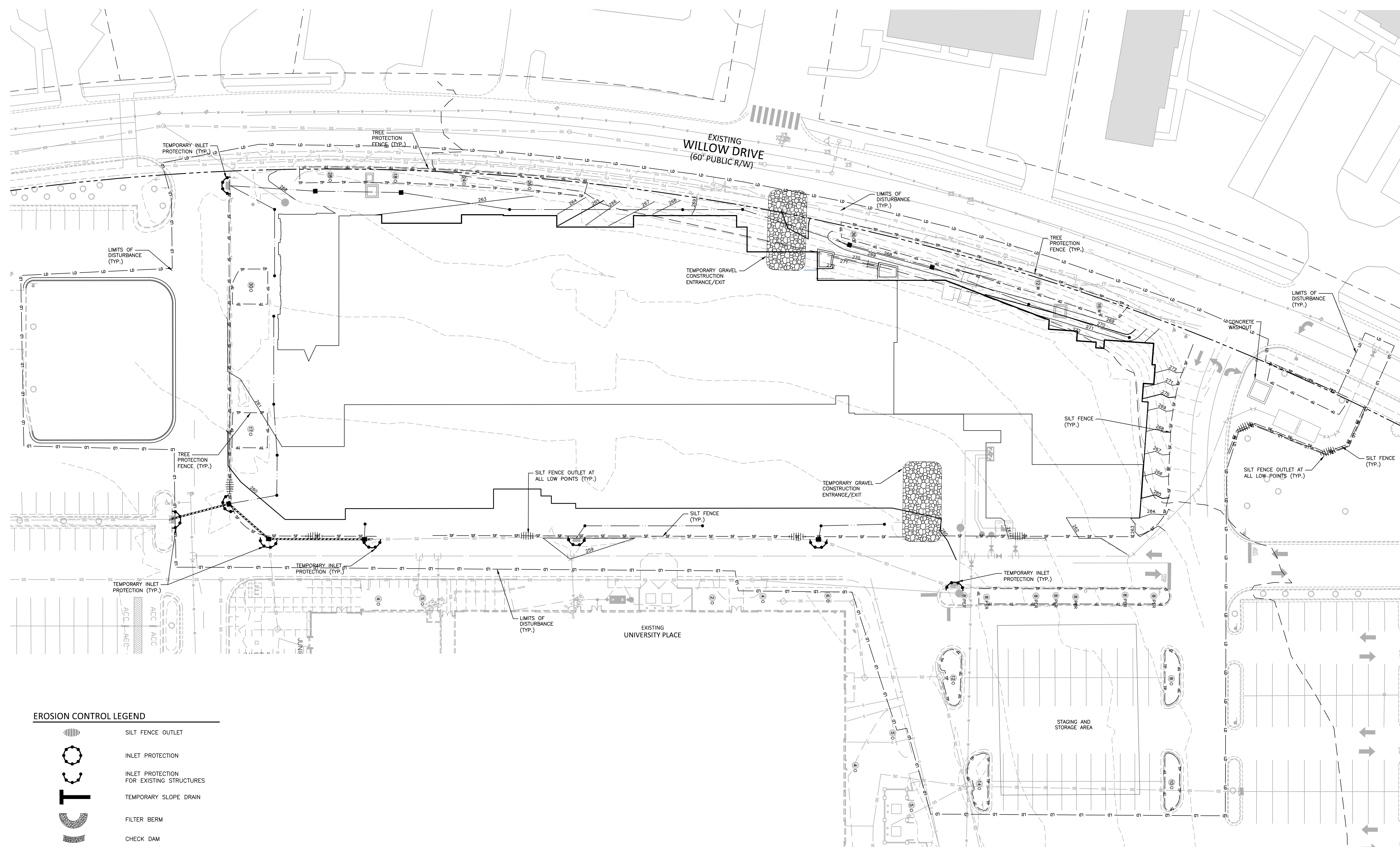
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PLAN INFORMATION

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 SCALE 1"=30'
 DATE 07.16.2021

SHEET

**EROSION CONTROL
PLAN - STAGE 2
C6.02**

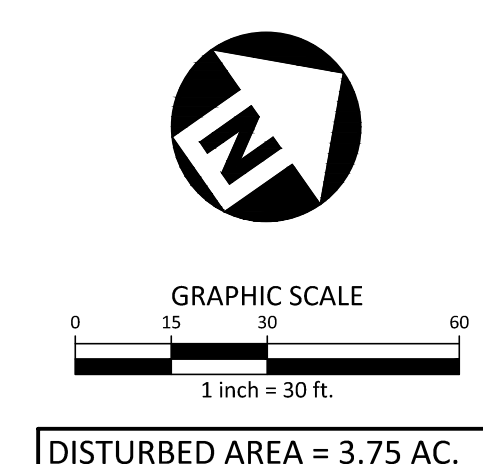


EROSION CONTROL LEGEND

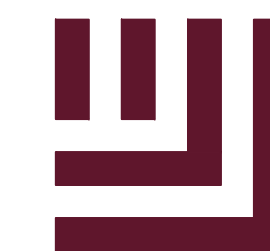
- SILT FENCE OUTLET
- INLET PROTECTION
- INLET PROTECTION FOR EXISTING STRUCTURES
- TEMPORARY SLOPE DRAIN
- FILTER BERM
- CHECK DAM
- SILT FENCE
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

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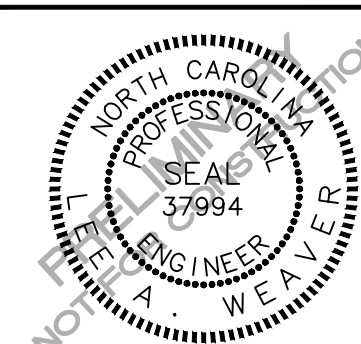
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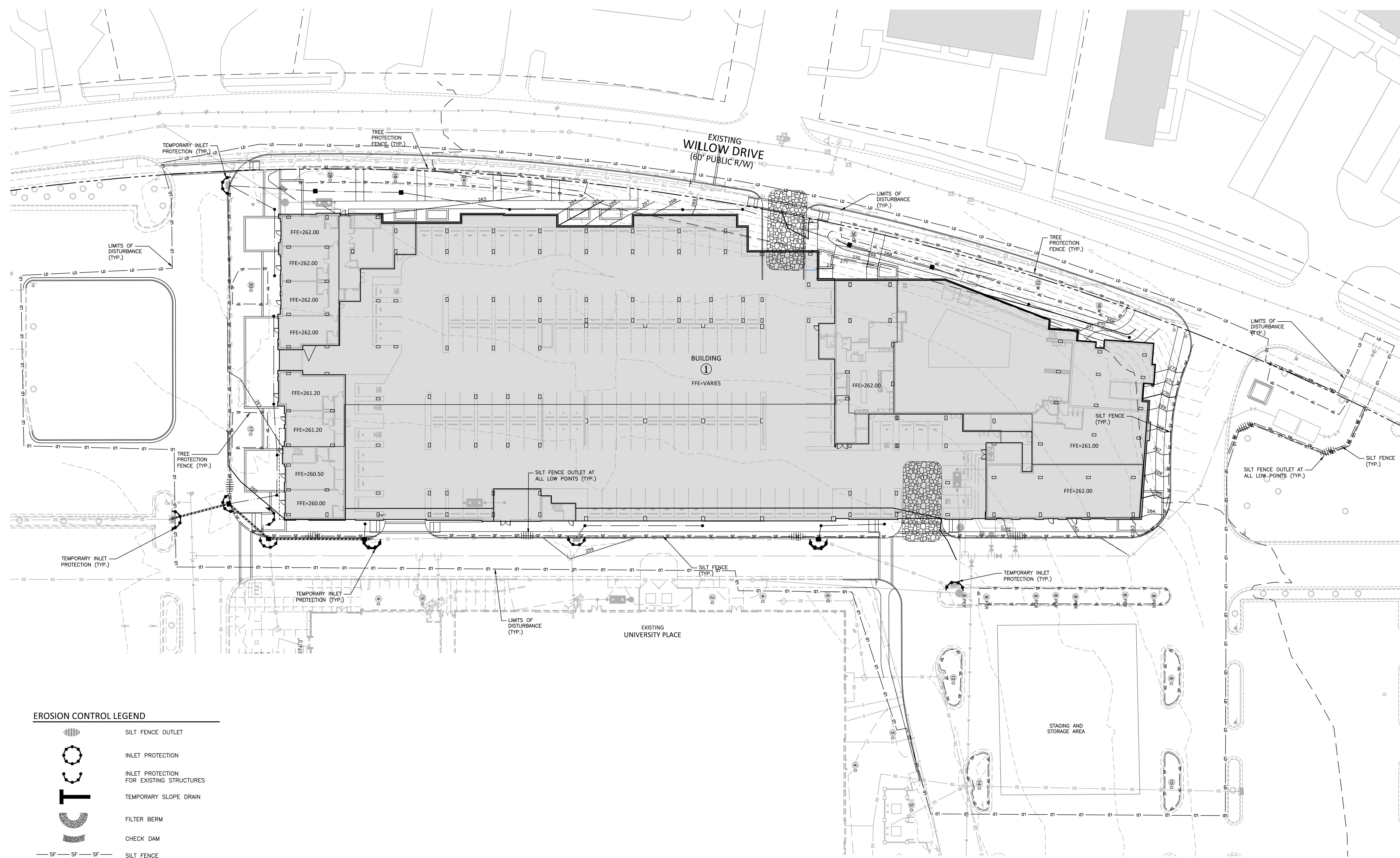
NO.	DATE	DESCRIPTION

PLAN INFORMATION

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 FILENAME RAM19000-EC2
 CHECKED BY LAW
 DRAWN BY MRO
 SCALE 1"=30'
 DATE 07.16.2021

SHEET

**EROSION CONTROL
PLAN - STAGE 3
C6.03**

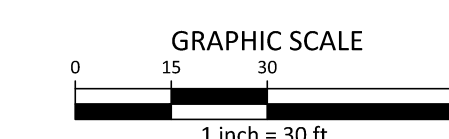


EROSION CONTROL LEGEND

- SILT FENCE OUTLET
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- INLET PROTECTION FOR EXISTING STRUCTURES
- TEMPORARY SLOPE DRAIN
- FILTER BERM
- CHECK DAM
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- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- DIVERSION DITCH
- CONSTRUCTION ENTRANCE/EXIT

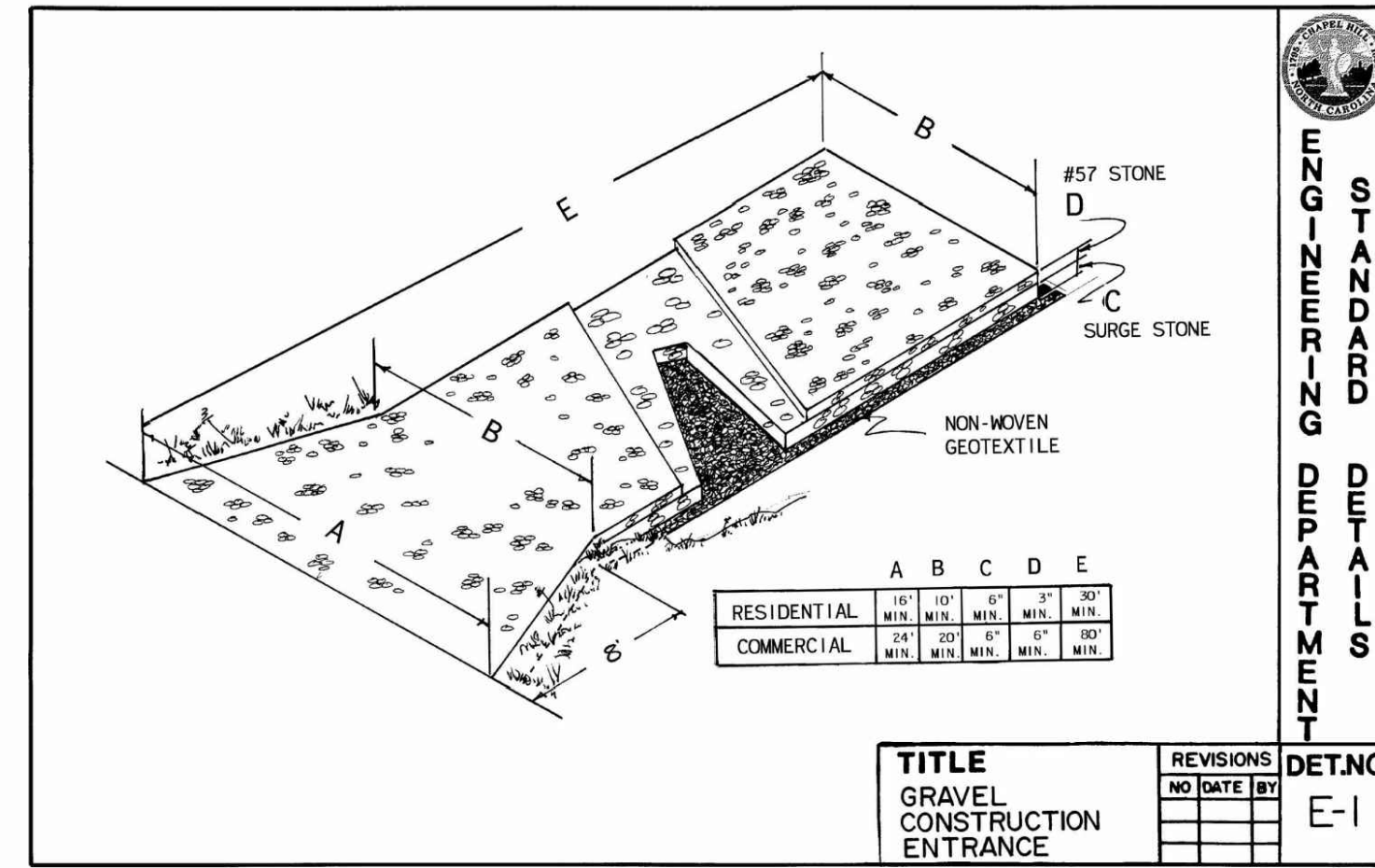
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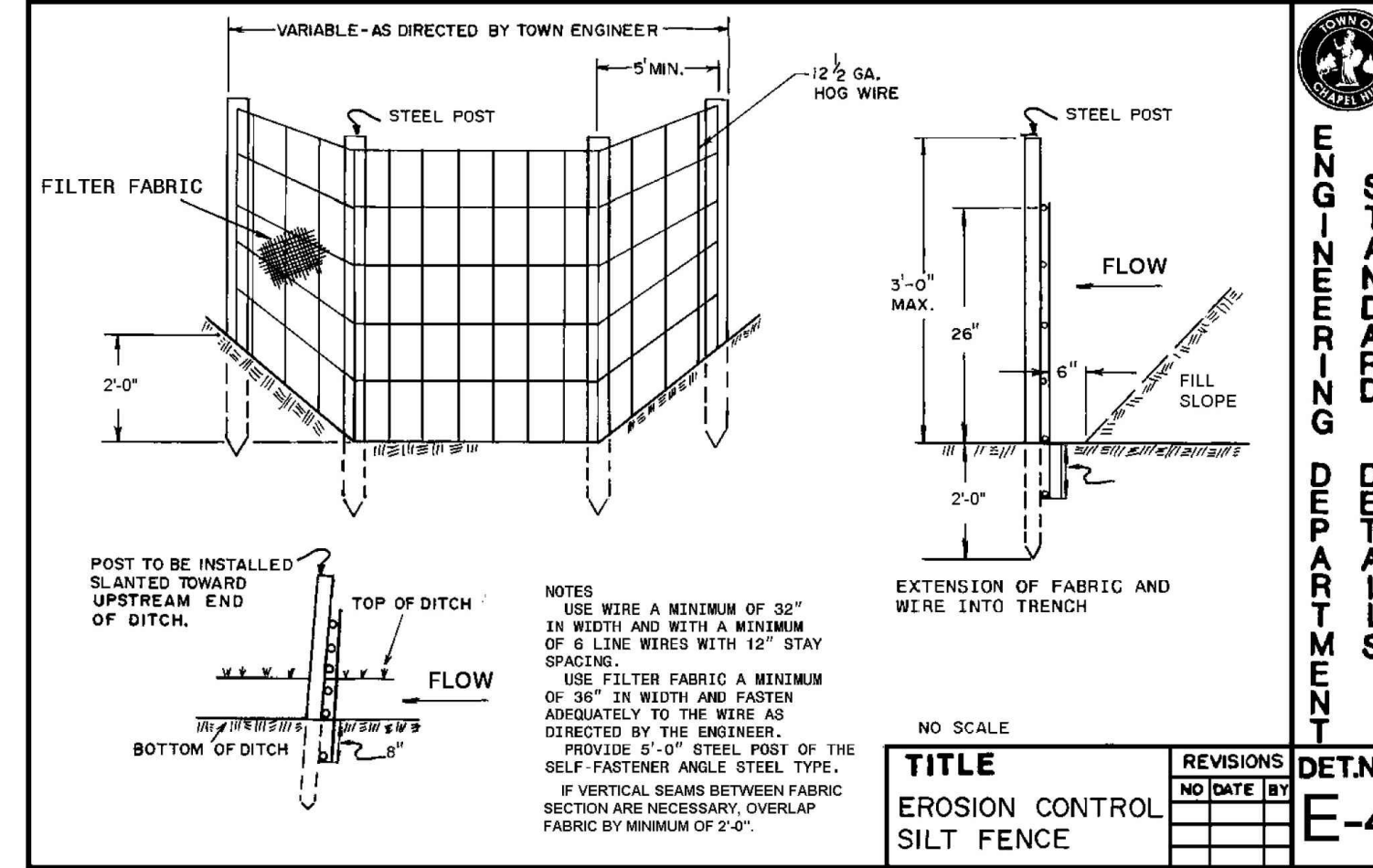
DISTURBED AREA = 3.75 AC.

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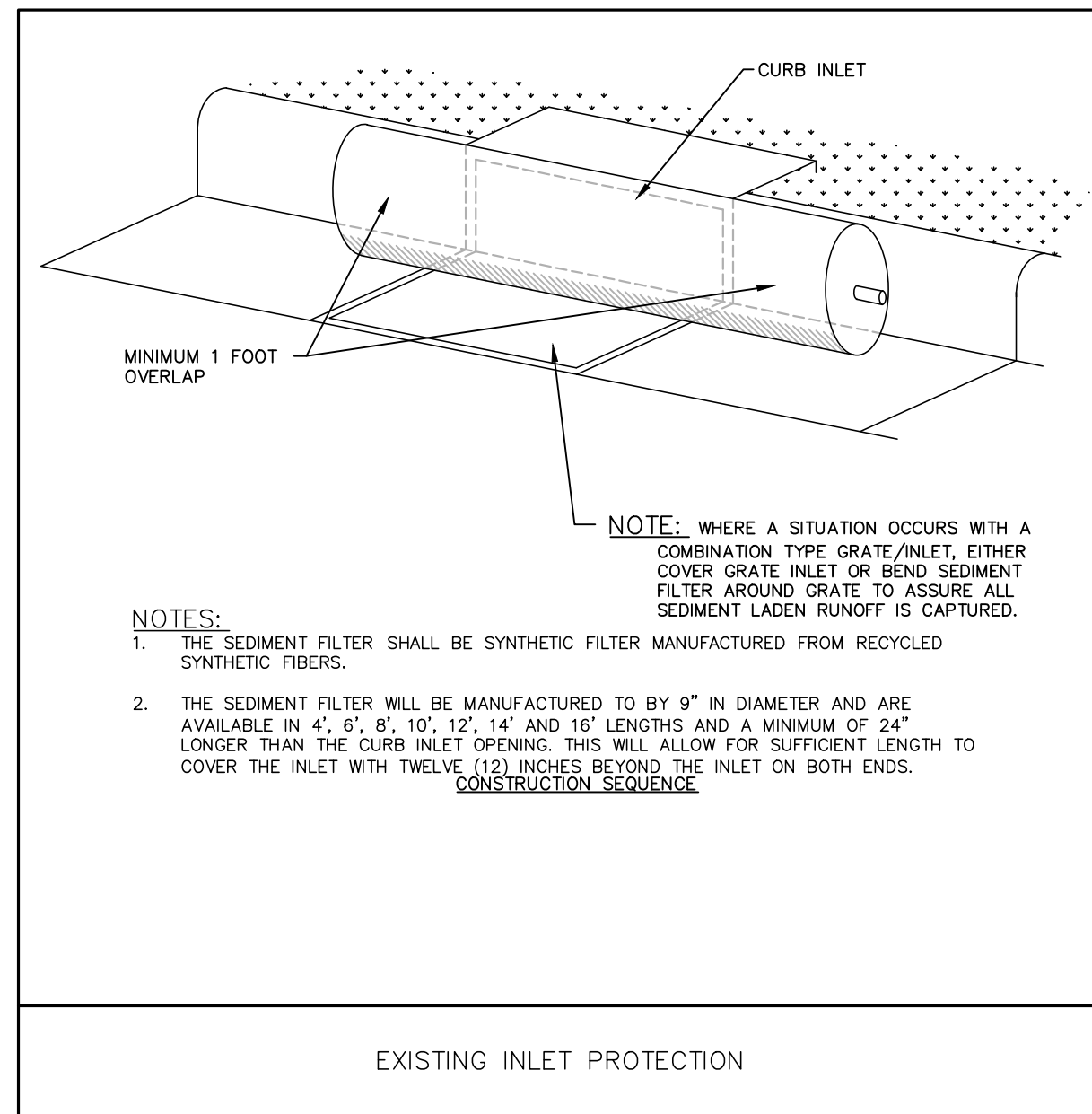
STANDARD DETAILS
ENGINEERING DEPARTMENT
DET.NO. E-1

TITLE	REVISIONS	DET.NO.
GRAVEL CONSTRUCTION ENTRANCE		E-1

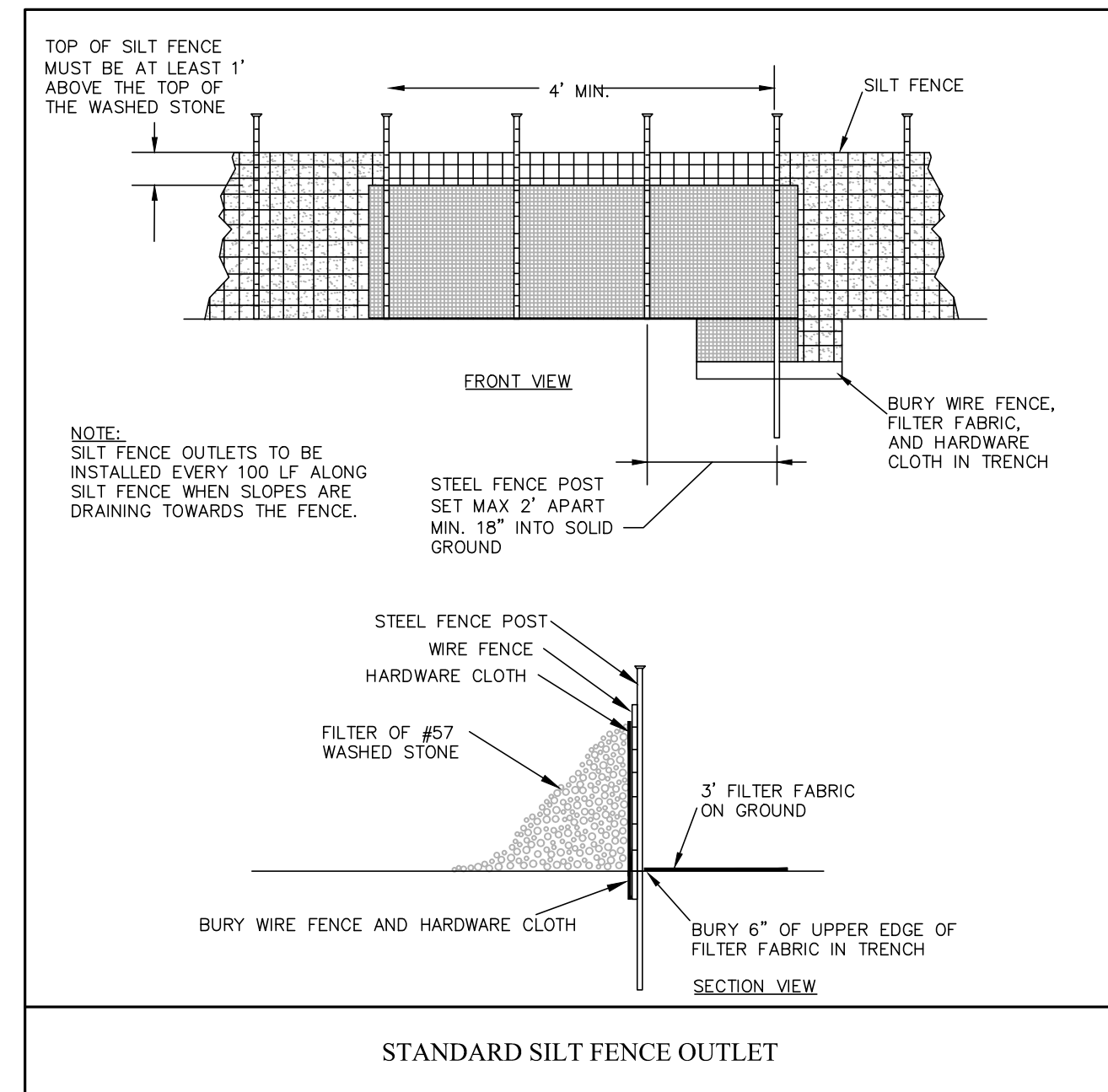


STANDARD DETAILS
ENGINEERING DEPARTMENT
DET.NO. E-4

TITLE	REVISIONS	DET.NO.
EROSION CONTROL SILT FENCE		E-4



EXISTING INLET PROTECTION



STANDARD SILT FENCE OUTLET

SILT FENCE OUTLET MAINTENANCE

REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.

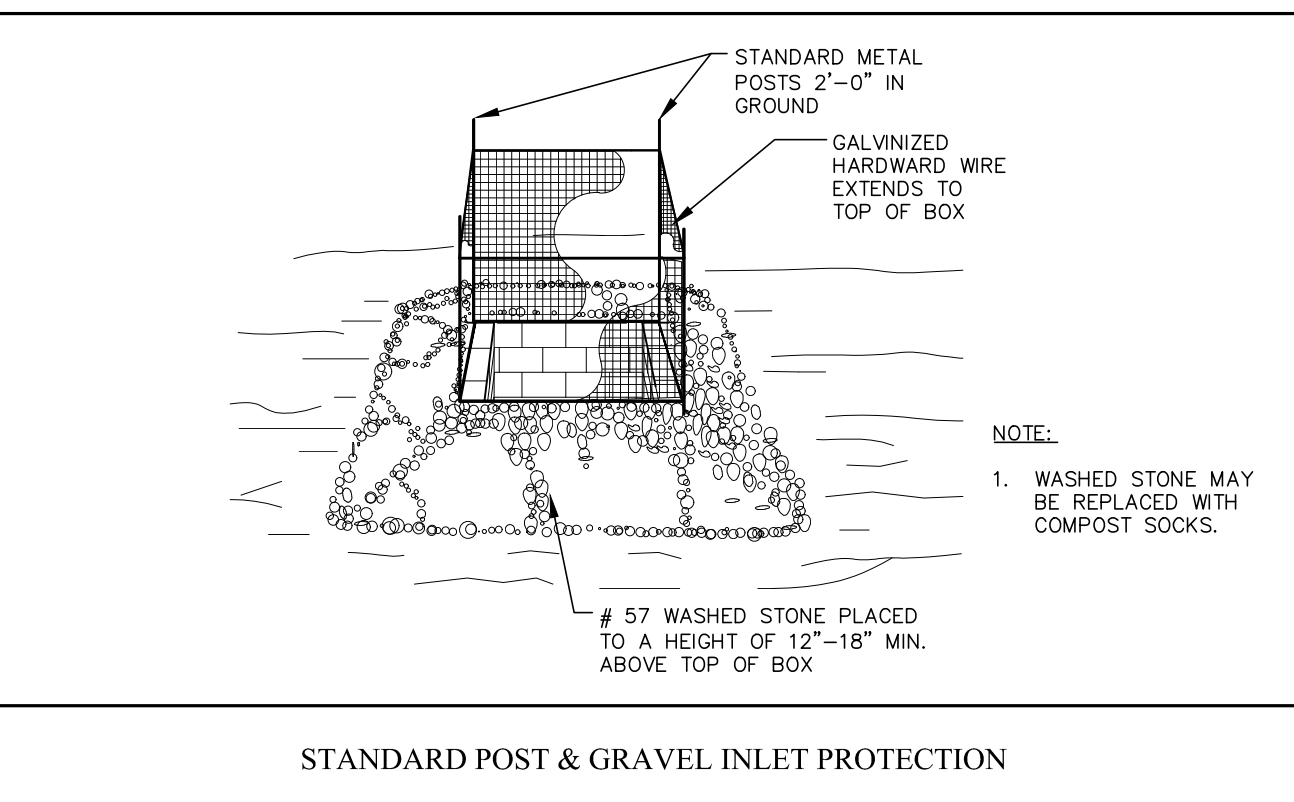
REPLACE STONE AS NEEDED TO ENSURE DEWATERING.

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.

REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



STANDARD POST & GRAVEL INLET PROTECTION

BLOCK AND GRAVEL INLET PROTECTION MAINTENANCE

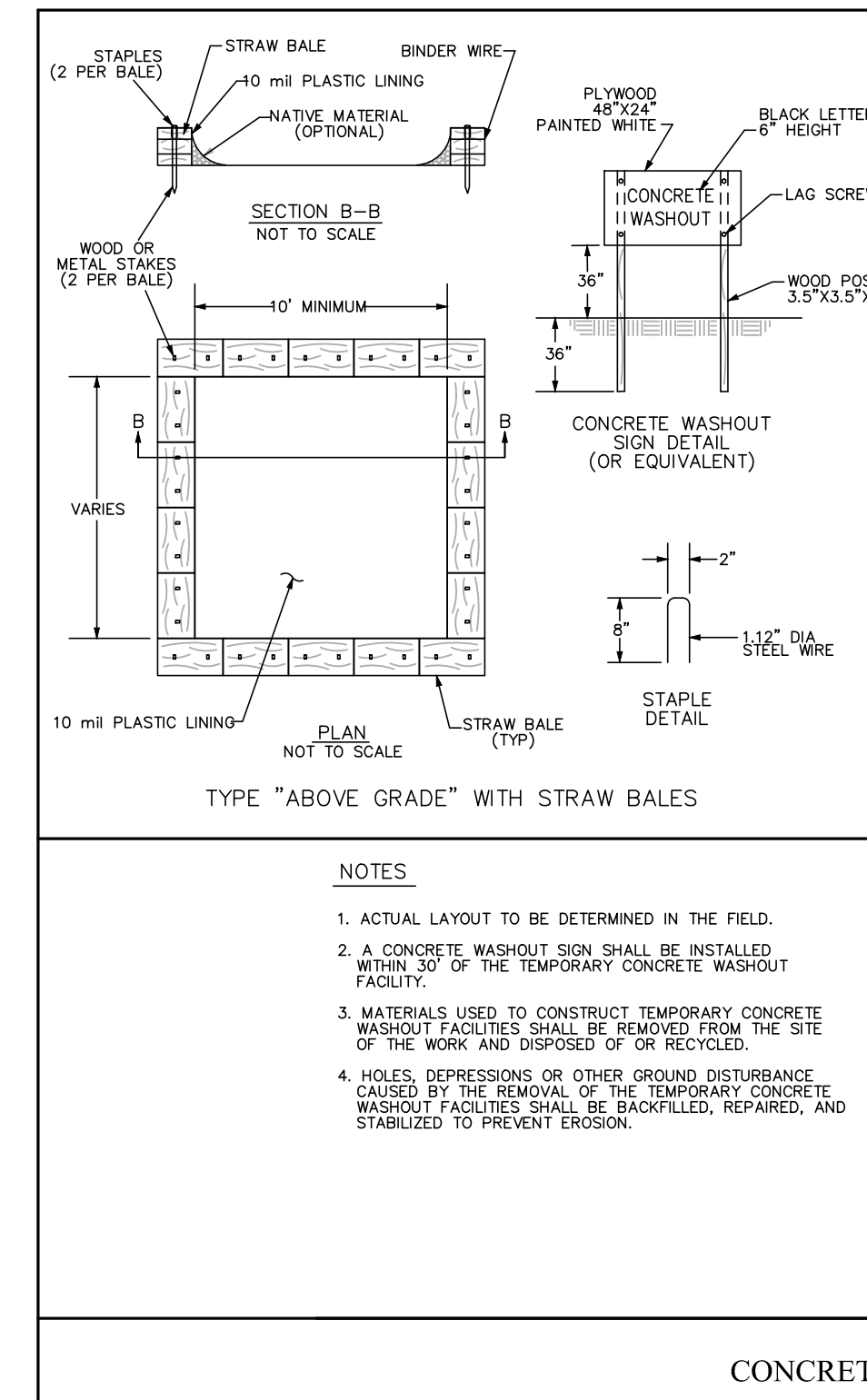
INSPECT THE BARRIER AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL AND MAKE REPAIRS AS NEEDED.

REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS.

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY.

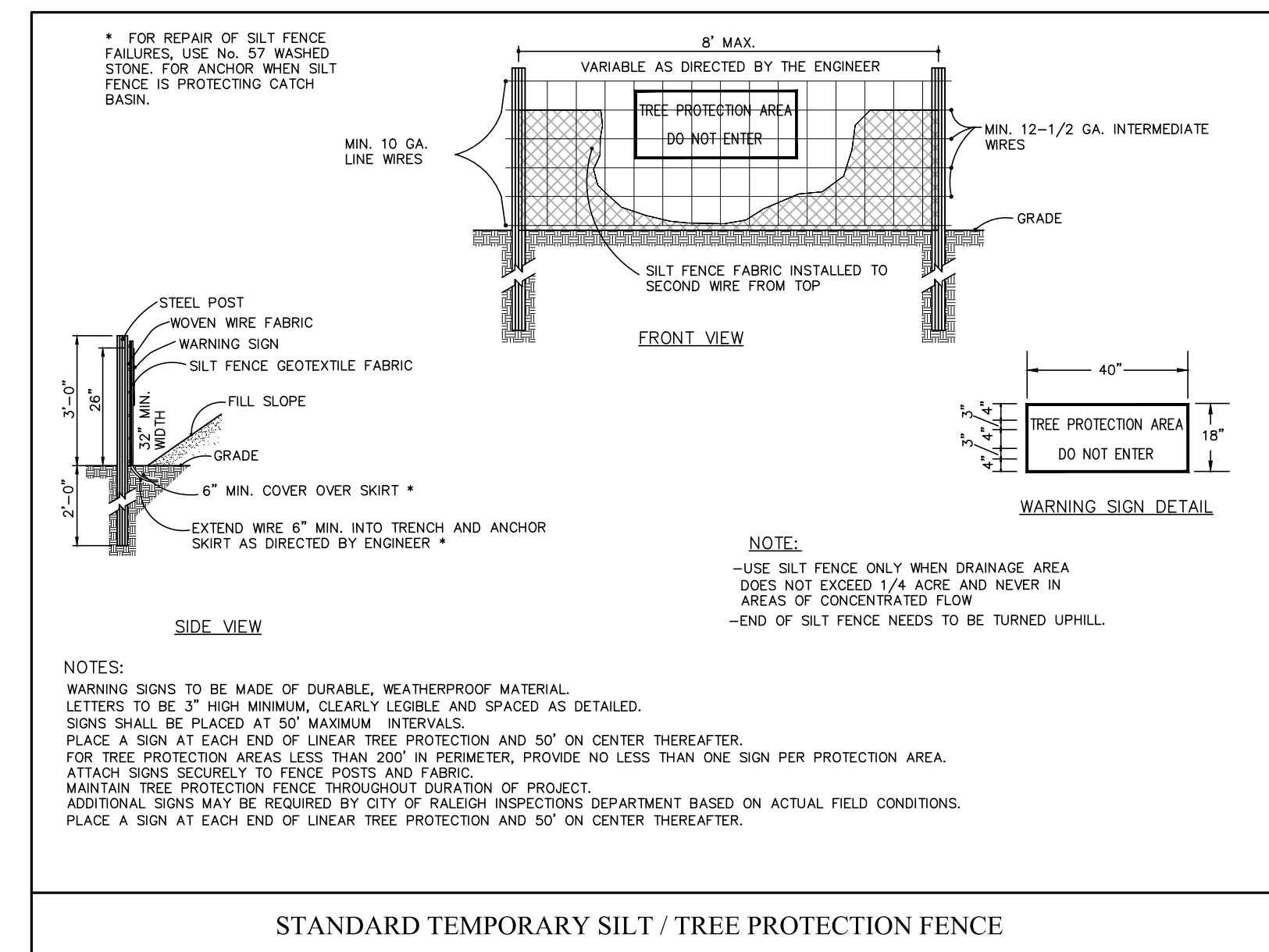
BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT.

APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.



CONCRETE WASHOUT

- NOTES**
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
 2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
 3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
 4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.



STANDARD TEMPORARY SILT / TREE PROTECTION FENCE

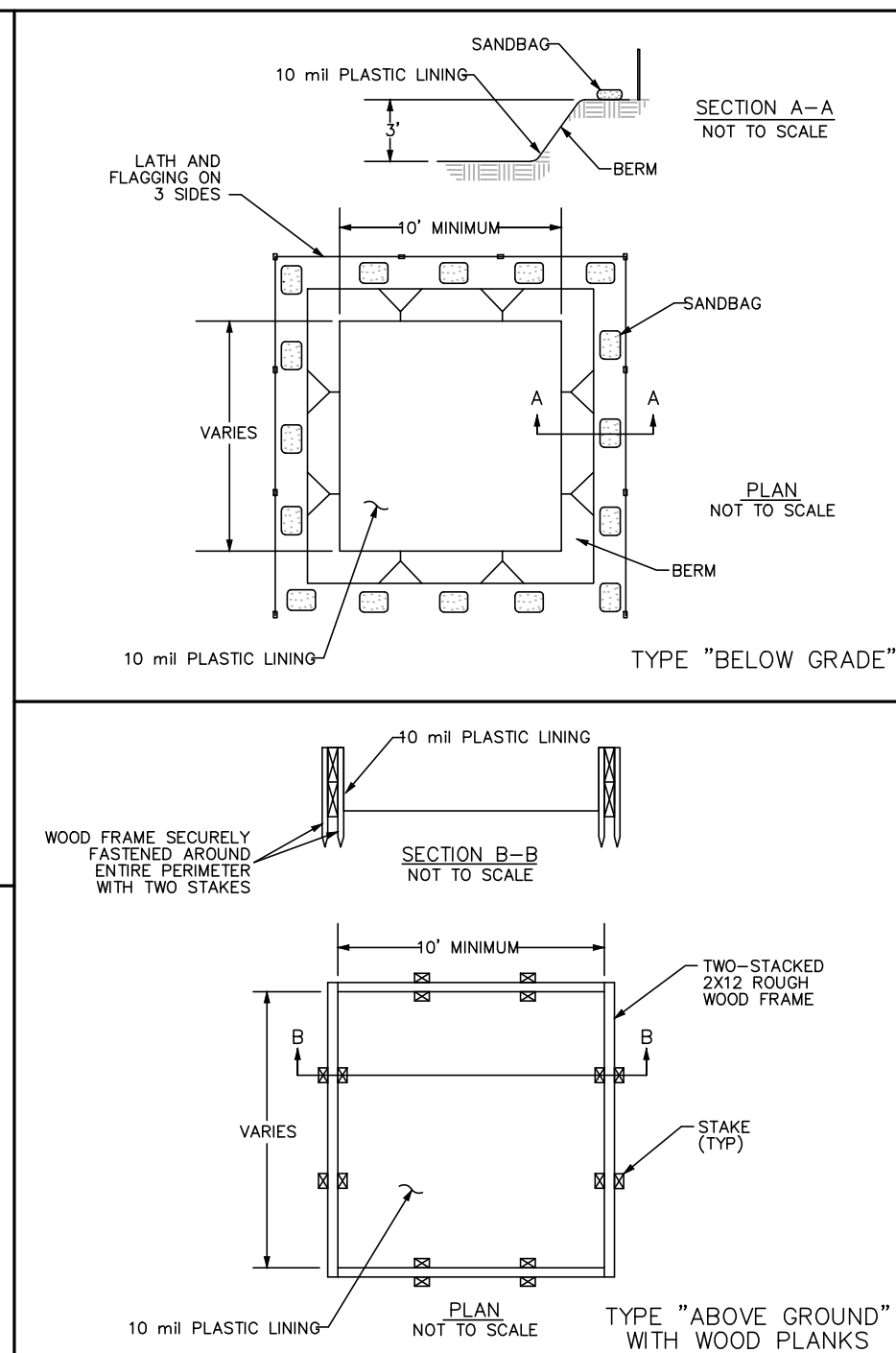
SILT FENCE MAINTENANCE

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.

REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



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REVISIONS

NO.	DATE	DESCRIPTION

PLAN INFORMATION

PROJECT NO. 2021110354
FILENAME RAM19000-EC3
CHECKED BY LAW
DRAWN BY MRO
SCALE N/A
DATE 07.16.2021

**EROSION CONTROL
DETAILS
C6.04**



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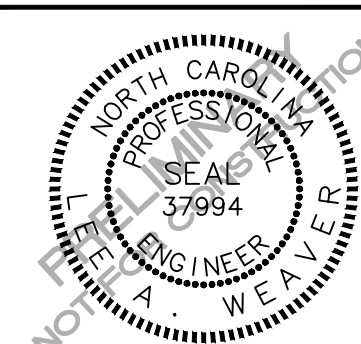
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PLAN INFORMATION

PROJECT NO.	2021110354
FILENAME	RAM19000-FA1
CHECKED BY	LAW
DRAWN BY	MRO
SCALE	1"=40'
DATE	07.16.2021

SHEET

**CONSTRUCTION, PEDESTRIAN &
TRAFFIC MANAGEMENT PLAN**

C7.00

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

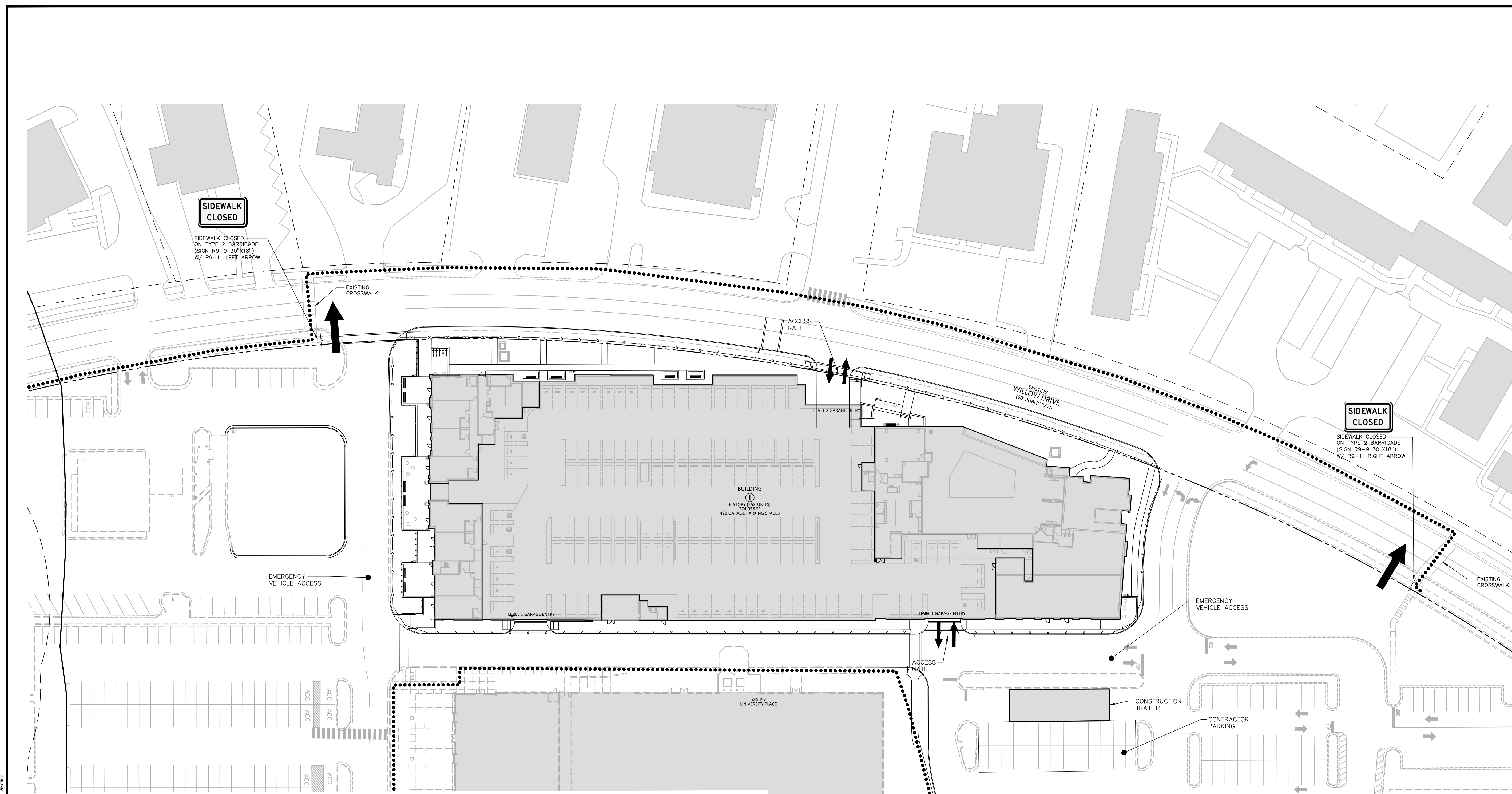
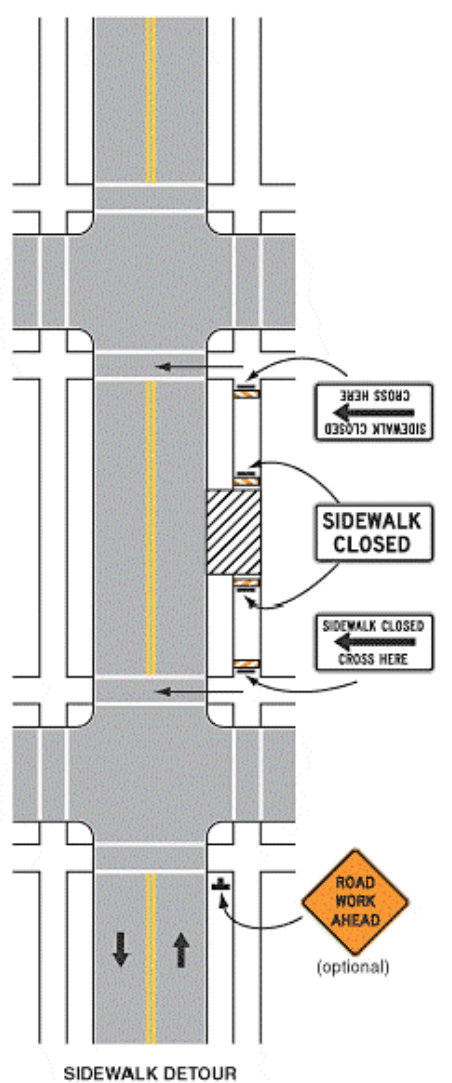


Figure 6H-28. Sidewalk Detour or Diversion (TA-28)



Typical Application 28

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

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

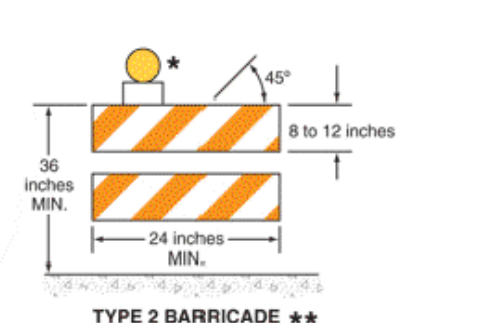


FIGURE 6F-7
CHANNELIZING DEVICES - SIDEWALK BARRICADE

***WARNING LIGHTS (OPTIONAL)**
****RAIL STRIPE WIDTHS SHALL BE 6 INCHES, EXCEPT THAT 4-INCH WIDE STRIPES MAY BE USED IF RAIL LENGTHS ARE LESS THAN 36 INCHES. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.**

SIGNAGE NOTES

- ALL SIGNAGE SHALL BE COORDINATED WITH TOWN OF CHAPEL HILL
- ALL SIGNAGE SHALL MEET MUTCD STANDARDS AND SPECIFICATIONS AND NCDOT PEDESTRIAN SAFETY SPECIFICATIONS.
- ALL PEDESTRIAN SIGNAGE SHALL BE MOUNTED ON TYPE 2 BARRICADES COMPLIANT WITH 2009 MUTCD SECTION 6F.63.

PEDESTRIAN MANAGEMENT NOTES

- ROUTE SHALL BE ACCESSIBLE AT ALL TIMES PER ADA.
- KEEP PEDESTRIAN ROUTE CLEAR OF CONSTRUCTION ACTIVITIES.
- UNIQUE PEDESTRIAN NEEDS SHALL BE COORDINATED WITH THE SITE CONTRACTOR.

CONSTRUCTION MANAGEMENT NOTES:

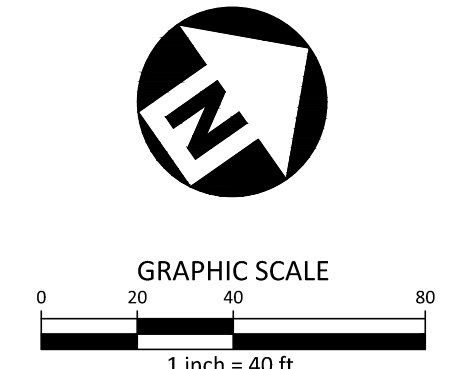
- ALL CONSTRUCTION RELATED VEHICULAR TRAFFIC SHALL ENTER/LEAVE THE SITE THROUGH THE TEMPORARY CONSTRUCTION ENTRANCES AS SHOWN ON THE PLAN.
- TEMPORARY CONSTRUCTION ENTRANCES MAY SHIFT INTO SITE IN COORDINATION WITH CONSTRUCTION SEQUENCE/TRAFFIC CONTROL FOR EUBANKS ROAD. SITE CONTRACTOR TO SEE PLANS BY RAMSEY KEMP AND ASSOCIATES AND COORDINATE WITH ROADWAY CONTRACTOR.
- NO OPEN BURNING SHALL BE PERMITTED ON THIS SITE.
- 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 BY SECTION 11-40 (B) OF THE NOISE ORDINANCE.
- 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:

- 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.

SEE SHEET C0.00 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



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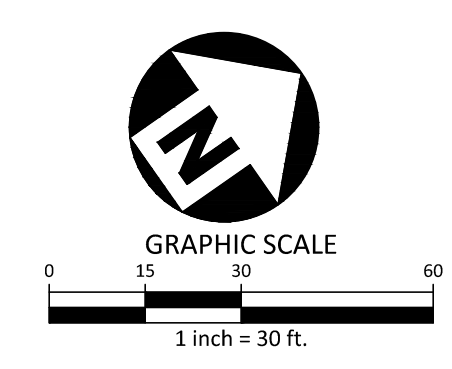
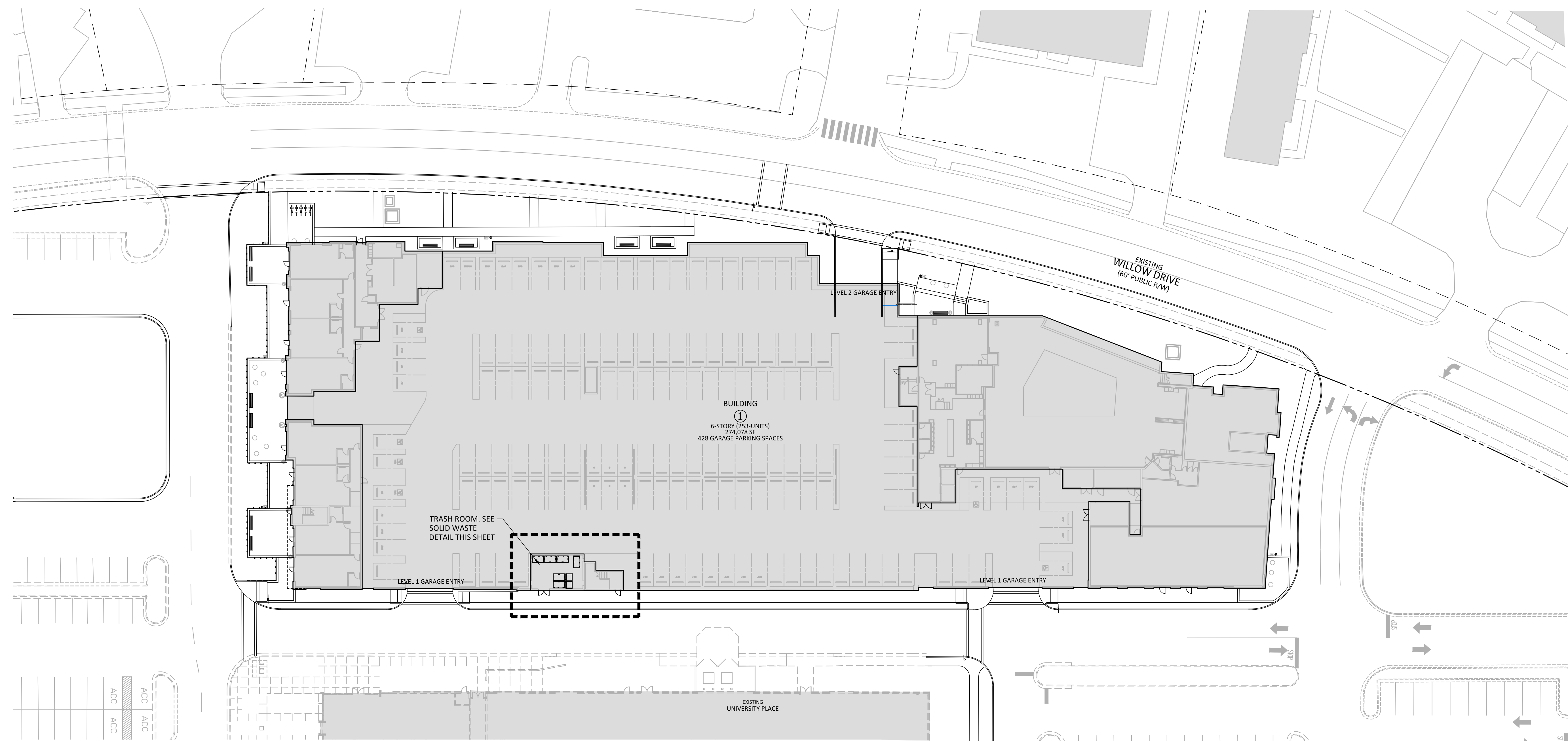
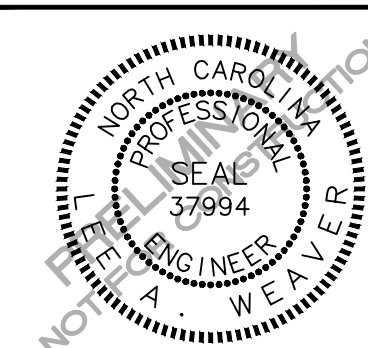
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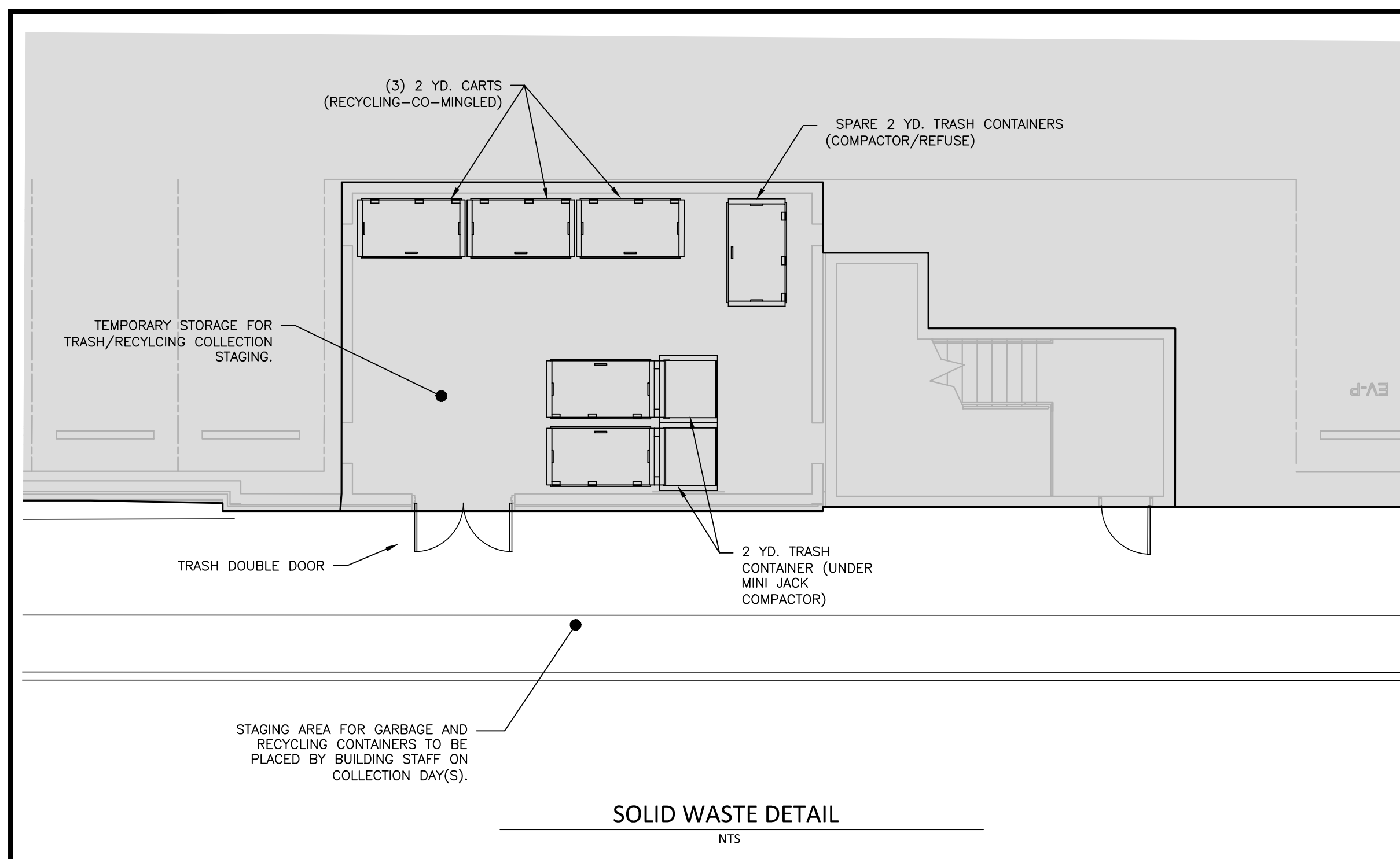


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SOLID WASTE NOTES:

- ALL EXISTING STRUCTURES 500 SQUARE FEET AND LARGER IN SIZE SHALL BE ASSESSED PRIOR TO DEMOLITION TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DE-CONSTRUCTION AND/OR THE RE-USE OF SALVAGEABLE MATERIALS.
- BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.
- BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE THAT INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE COUNTY.
- PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE THE APPLICANT SHALL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH THE SOLID WASTE STAFF (919-968-2788). THIS MAY BE THE SAME PRE-CONSTRUCTION MEETING HELD WITH OTHER DEVELOPMENT/ENFORCEMENT OFFICIALS.
- THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS (ACM) AND/OR OTHER HAZARDOUS MATERIALS IN CONSTRUCTION AND DEMOLITION WASTE SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES.
- IF ANY VEHICLES ARE PARKED IN THE REFUSE OR RECYCLABLES COLLECTION VEHICLE ACCESS AREA, THE CONTAINERS WILL NOT RECEIVE SERVICE UNTIL THE NEXT SCHEDULED COLLECTION DAY.
- MIXED RECYCLING WILL BE IN ROLL OUT CARTS TO BE COLLECTED BY PRIVATE WASTE COLLECTION CONTRACTOR. OWNER ACKNOWLEDGES THAT RIGHTS ARE BEING WAIVED FOR PUBLIC COLLECTION OF MIXED RECYCLABLES BY ORANGE COUNTY AND THAT PAYMENT OF ANNUAL FEE WITH REAL ESTATE TAXES WILL STILL BE REQUIRED.
- TRASH AND MIXED RECYCLABLES WILL BE IN SEPARATE CONTAINERS AND COLLECTED BY A PRIVATE WASTE COLLECTION CONTRACTOR.
- ALL CONSTRUCTION WASTE MATERIALS CONTAINING REGULATED RECYCLABLE MATERIALS (SEE NOTE 2 ABOVE) SHALL BE RECYCLED PURSUANT TO THE ORANGE COUNTY REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO). CONTRACTORS SHALL RETAIN PICKUP SLIPS TO RECORD/VALIDATE RECYCLING AS MAY BE REQUIRED FOR ENVIRONMENTAL CREDITS.
- THE TRASH AND RECYCLE COLLECTION AREA INCLUDES A 2-YD MINI-COMPACTOR WITH 2-YD BINS FOR BOTH TRASH AND RECYCLING.
- ALL LEVELS OF RESIDENTIAL SPACE WILL INCLUDE A TRASH CHUTE/COLLECTION AND RECYCLING STAGING AREA. THE CHUTE WILL DIRECT TRASH TO THE COMPACTORS ON THE LEVEL 0 PARKING.
- THE OWNER, OR THEIR DESIGNEE, SHALL BE RESPONSIBLE FOR MAINTAINING A FIRE WATCH DURING CONSTRUCTION AND DEMOLITION WHERE MATERIALS SUBJECT TO SPONTANEOUS COMBUSTION OR OTHER HAZARDOUS CONSTRUCTION OR DEMOLITION IS OCCURRING.
- ALL CONSTRUCTION AND DEMOLITION SHALL BE CONDUCTED IN COMPLIANCE WITH THE CURRENT EDITION OF CHAPTER 14 OF THE NC FFC.
- APPLICANT ELECTS TO PROVIDE PRIVATE MIXED RECYCLING SERVICE TO THIS PROPERTY IN LIEU OF BUILDING A MIXED RECYCLING CENTER CONSTRUCTED TO OCSW SPECIFICATIONS.
- THE SITE WILL NOT RECEIVE PUBLIC MIXED RECYCLING COLLECTION NOW OR IN THE FUTURE UNLESS SUCH A MIXED RECYCLING CENTER IS CONSTRUCTED OR CONTINGENCY FOR SUCH A CENTER IS INCLUDED IN DEVELOPMENT PLANS.
- APPLICANT MUST REQUIRE AT LEAST THE SAME LEVEL OF CURRENT AND FUTURE MIXED RECYCLING SERVICE TO ITS RESIDENTS AS THAT PROVIDED BY OCSW.
- COUNTY FEES FOR MIXED RECYCLING COLLECTION AND WASTE MANAGEMENT ASSOCIATED WITH THIS PROPERTY WILL NOT BE WAIVED.
- ELECTION TO FOREGO MIXED PUBLIC RECYCLING
 - APPLICANT ELECTS TO PROVIDE PRIVATE MIXED RECYCLING SERVICE TO THIS PROPERTY IN LIEU OF BUILDING A MIXED RECYCLING CENTER CONSTRUCTED TO OCSW SPECIFICATIONS.
 - THE SITE WILL NOT RECEIVE PUBLIC MIXED RECYCLING COLLECTION NOW OR IN THE FUTURE UNLESS A MIXED RECYCLING CENTER IS CONSTRUCTED OR CONTINGENCY FOR SUCH A CENTER IS INCLUDED IN DEVELOPMENT PLANS.
 - APPLICANT MUST REQUIRE AT LEAST THE SAME LEVEL OF CURRENT AND FUTURE MIXED RECYCLING SERVICE TO ITS RESIDENTS AS THAT PROVIDED BY OCSW.
 - COUNTY FEES FOR MIXED RECYCLING COLLECTION AND WASTE MANAGEMENT ASSOCIATED WITH THIS PROJECT WILL NOT BE WAIVED.



SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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SOLID WASTE DETAIL
NTS

REVISIONS

NO.	DATE	DESCRIPTION

PLAN INFORMATION

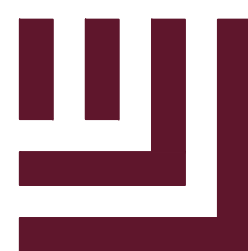
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 SCALE 1"=40'
 DATE 07.16.2021

SHEET

SOLID WASTE PLAN

C7.01

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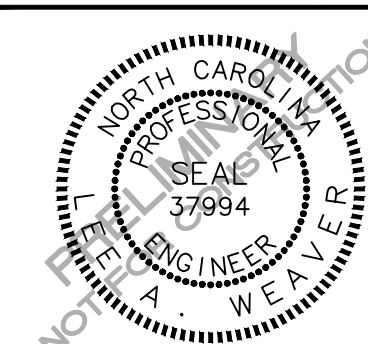
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NO. DATE DESCRIPTION

PLAN INFORMATION

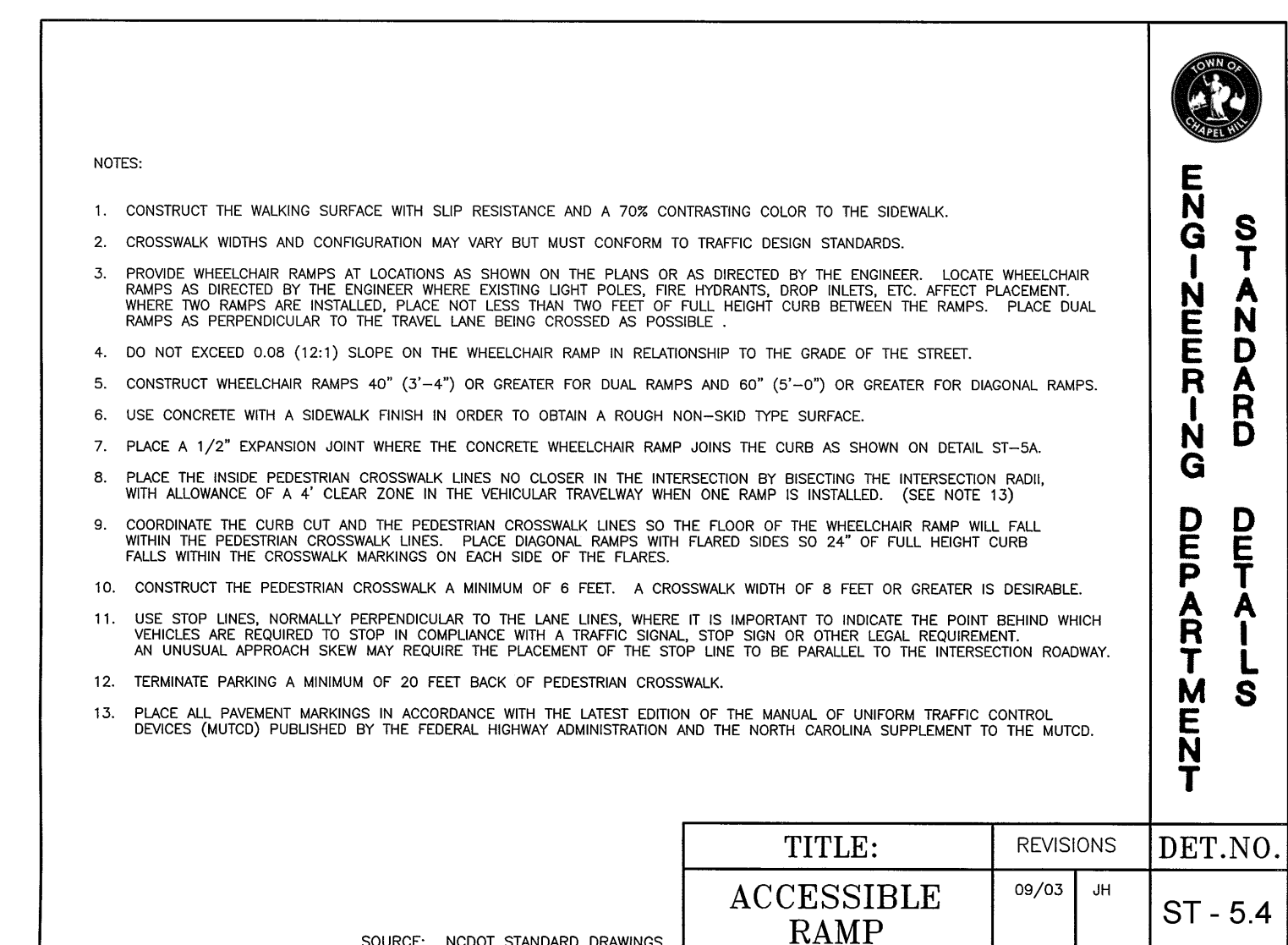
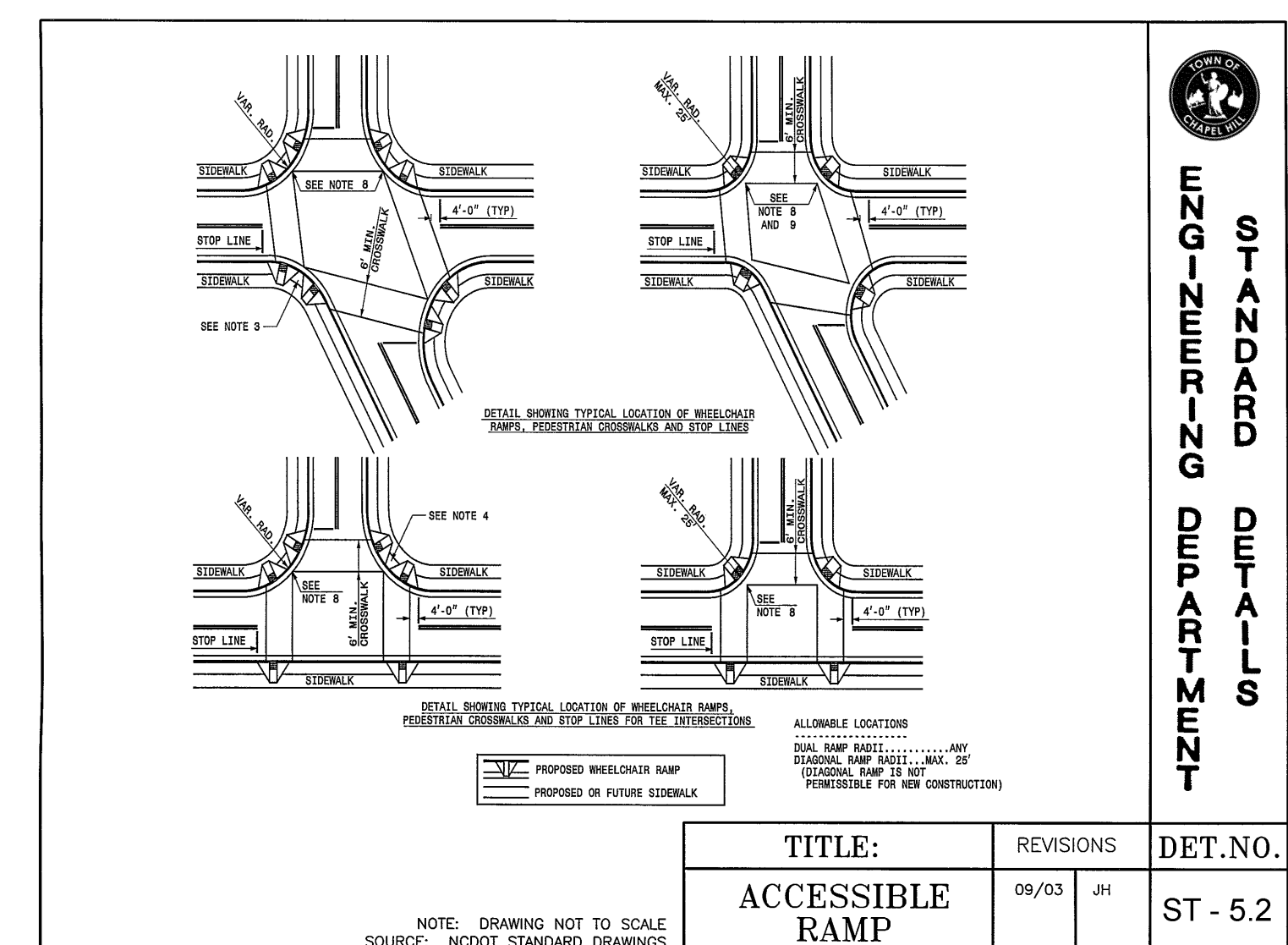
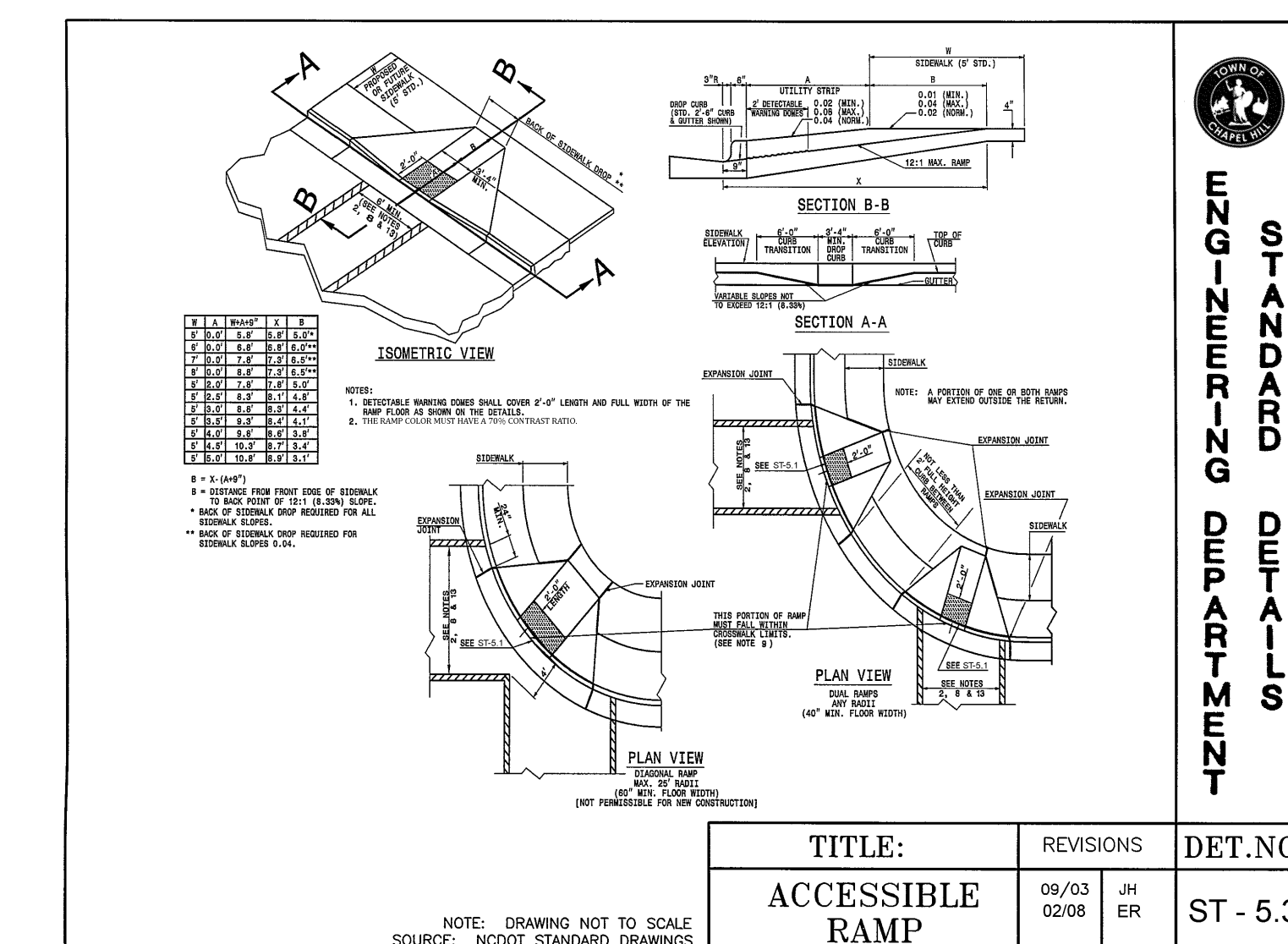
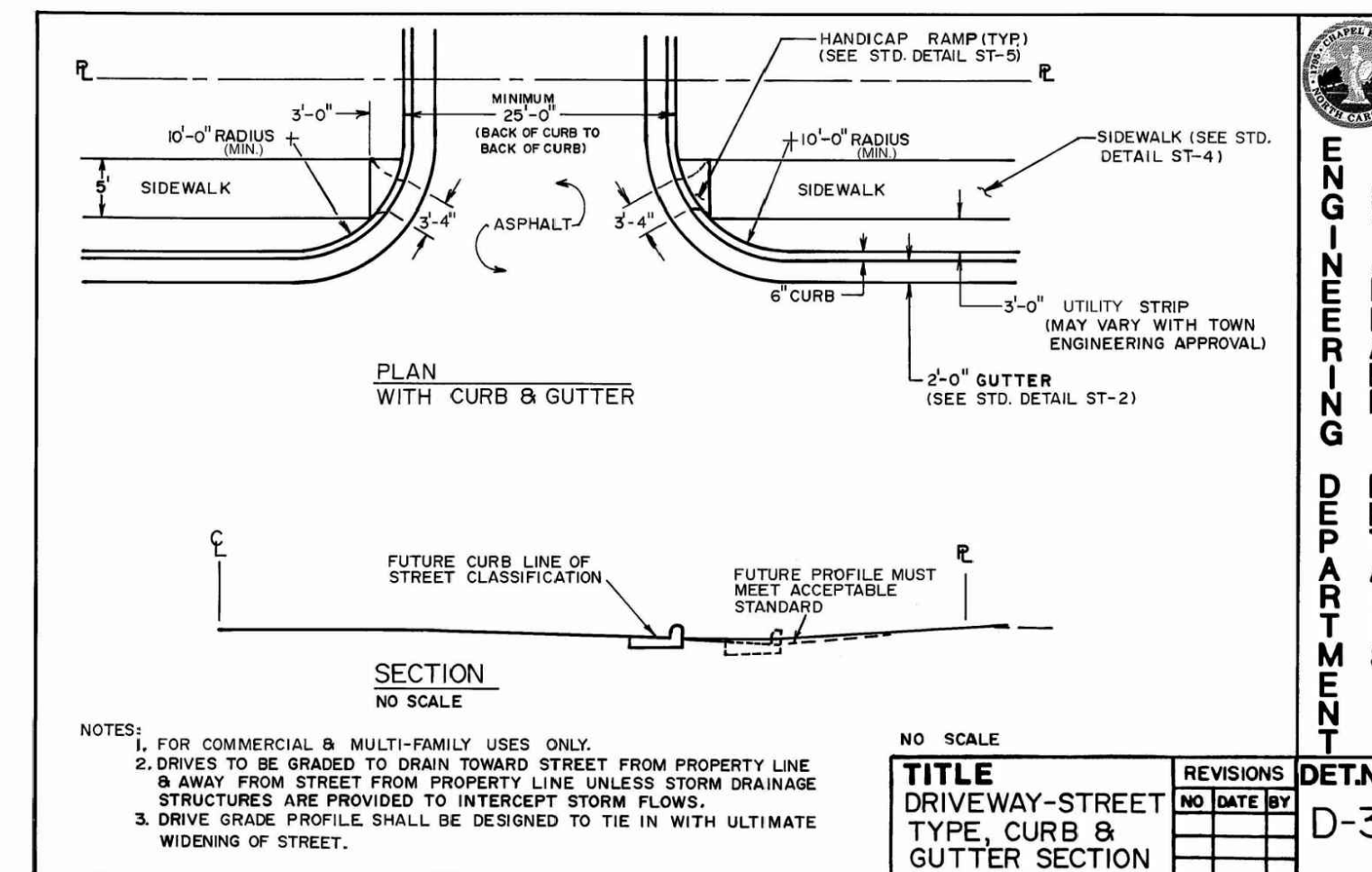
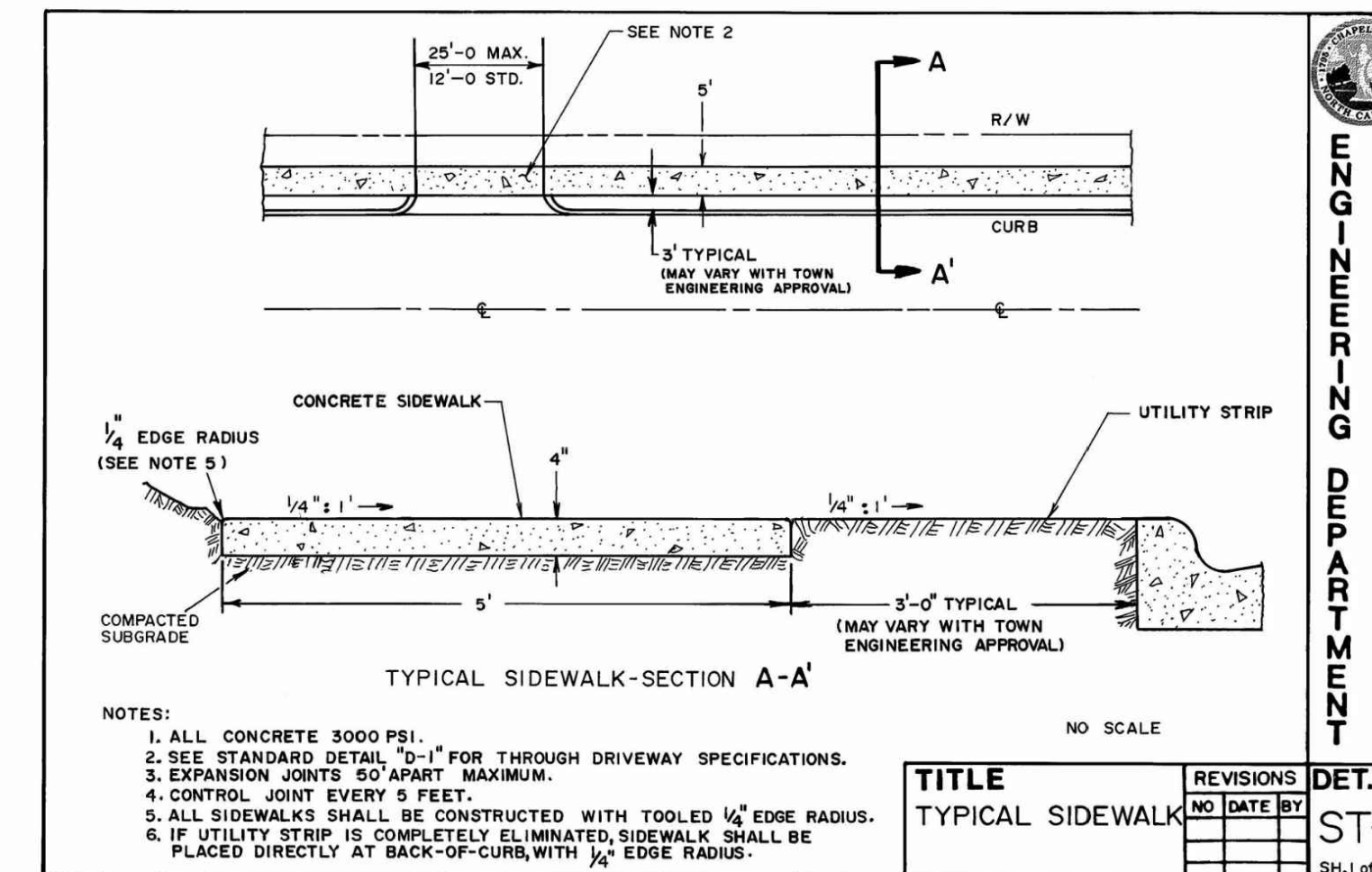
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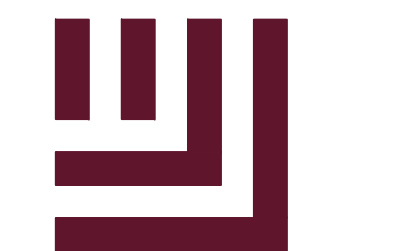
SHEET

SITE DETAILS

C8.00

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION





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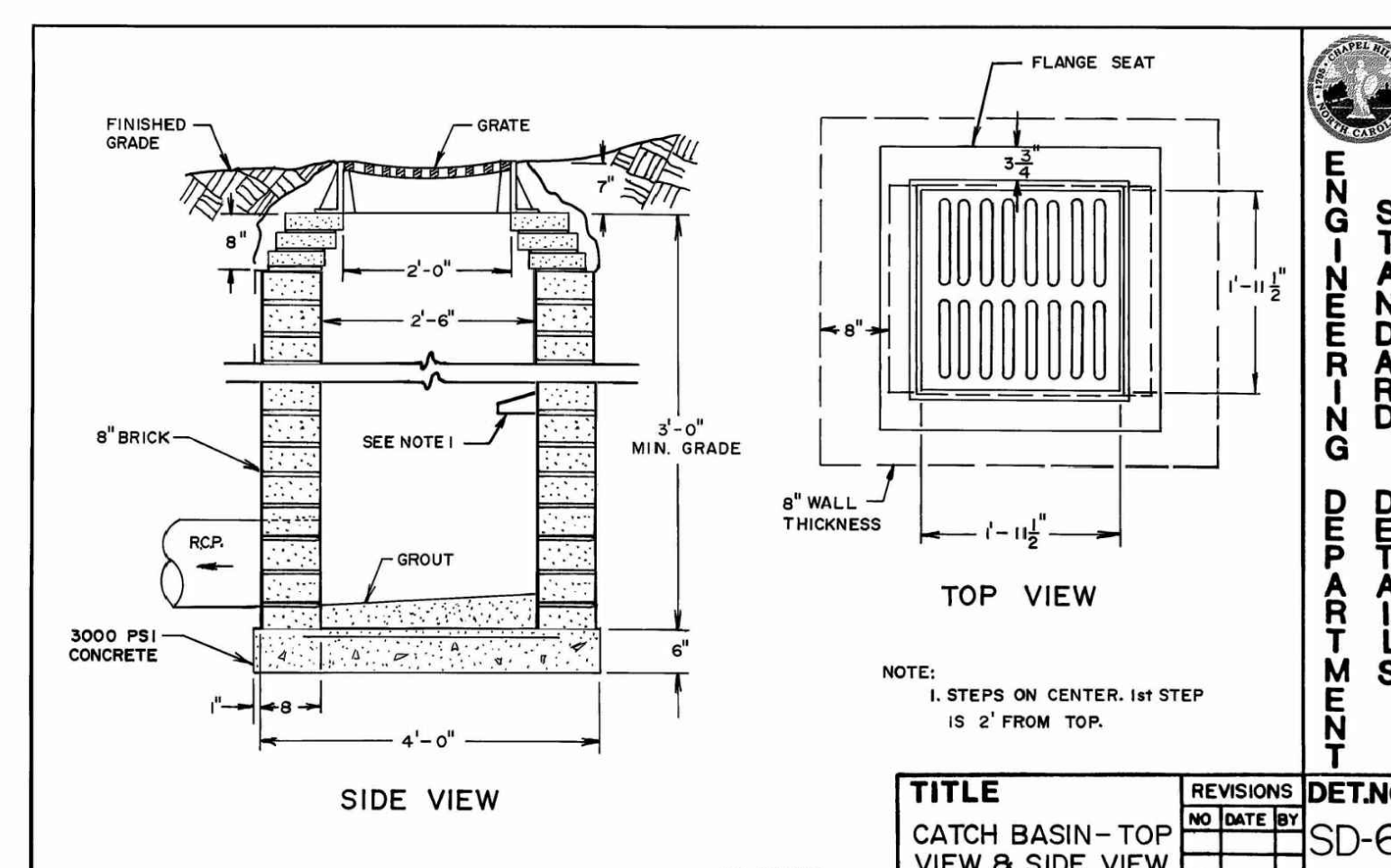
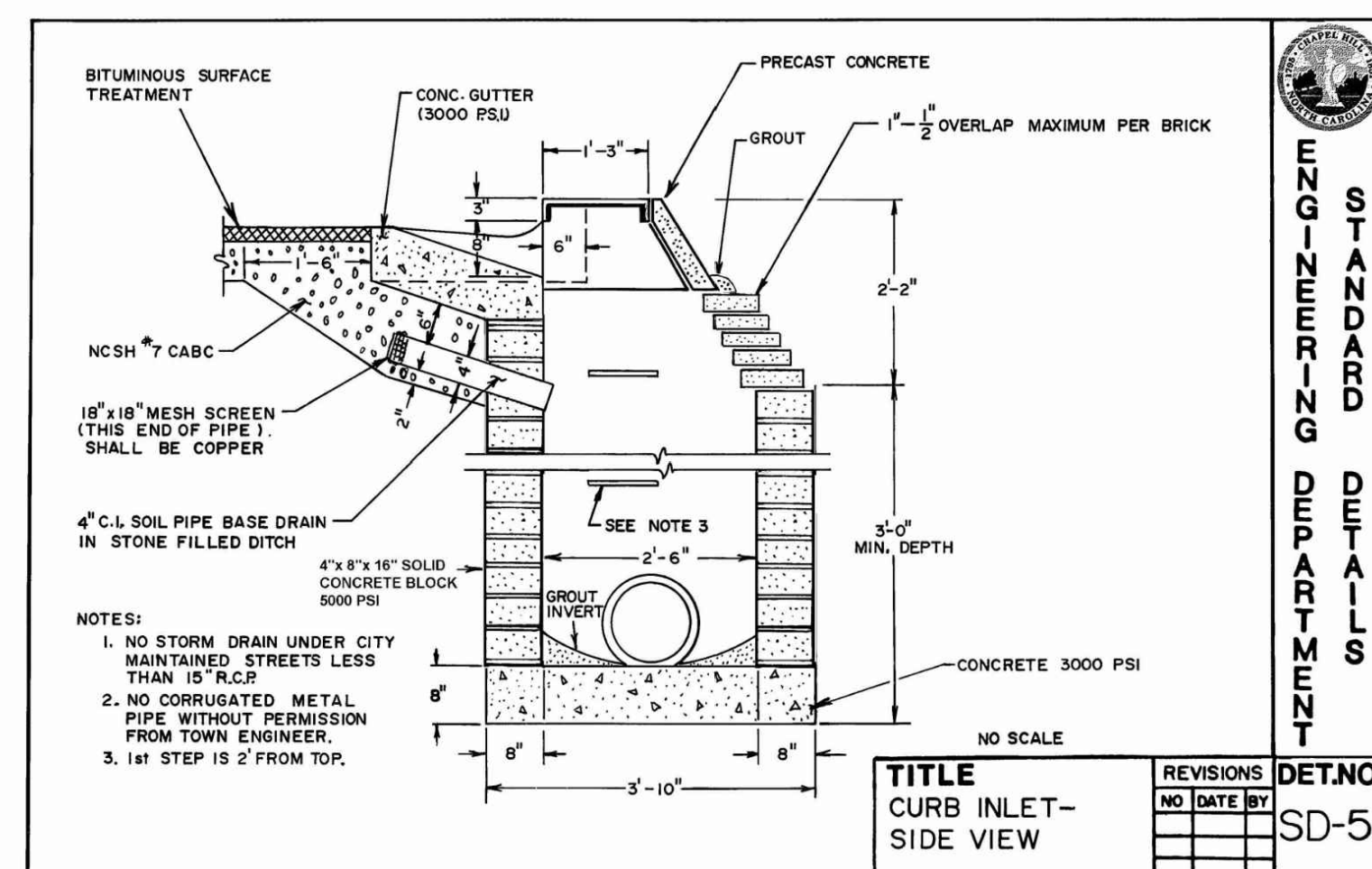
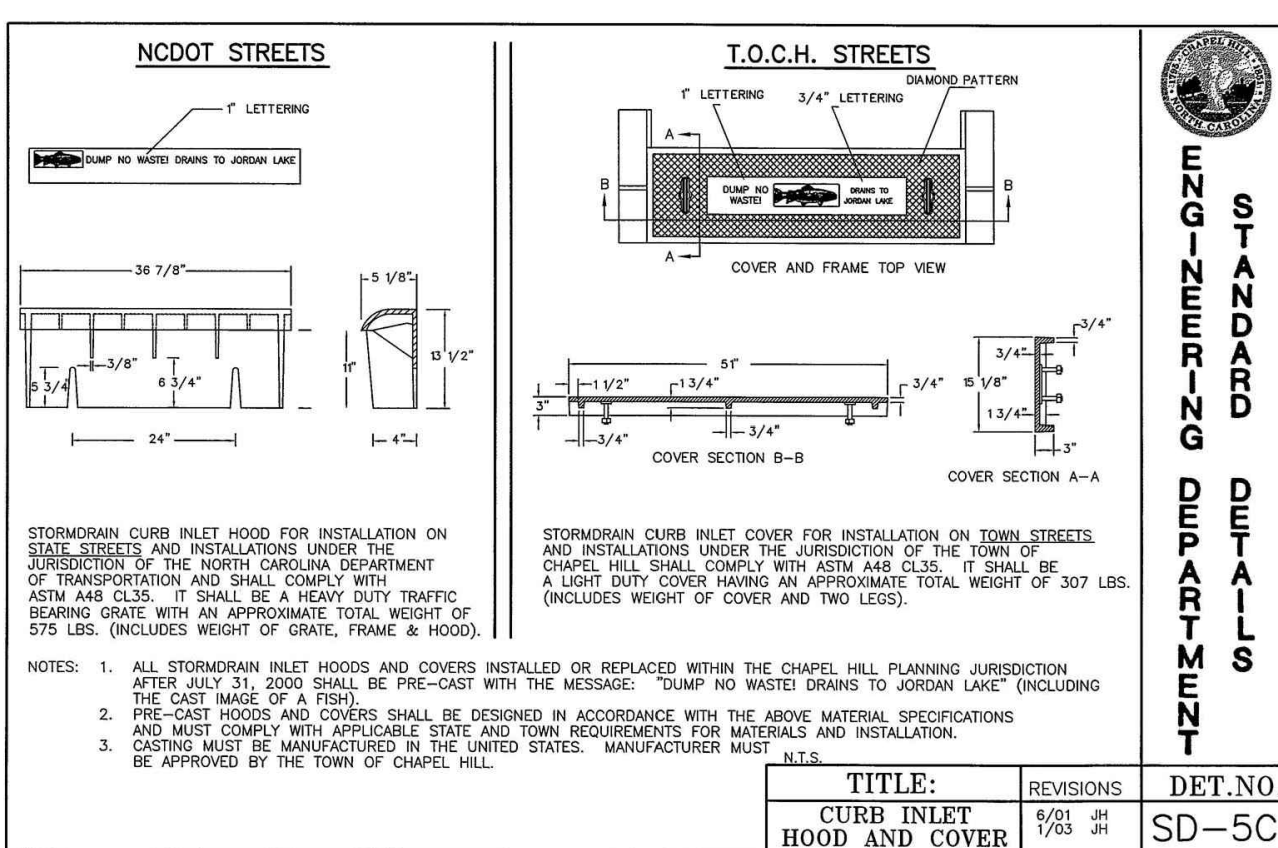
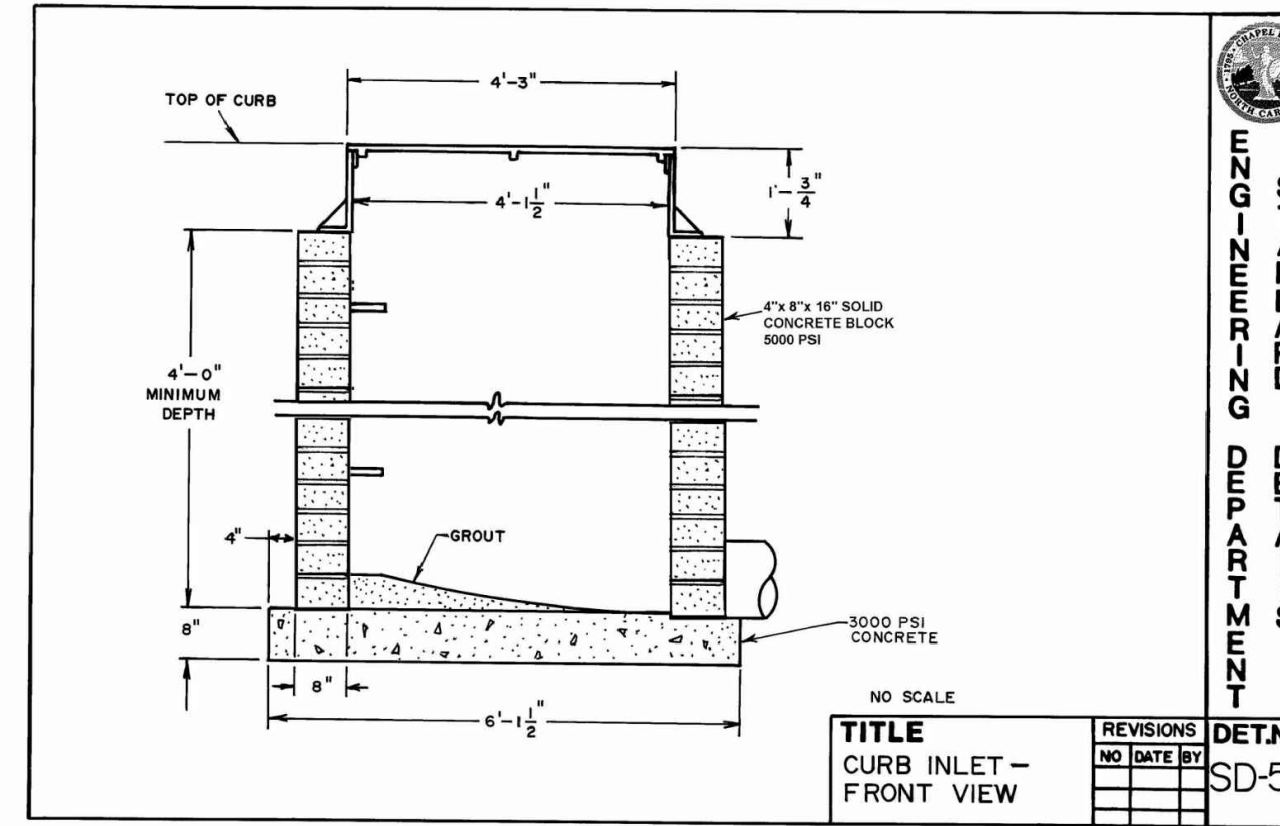
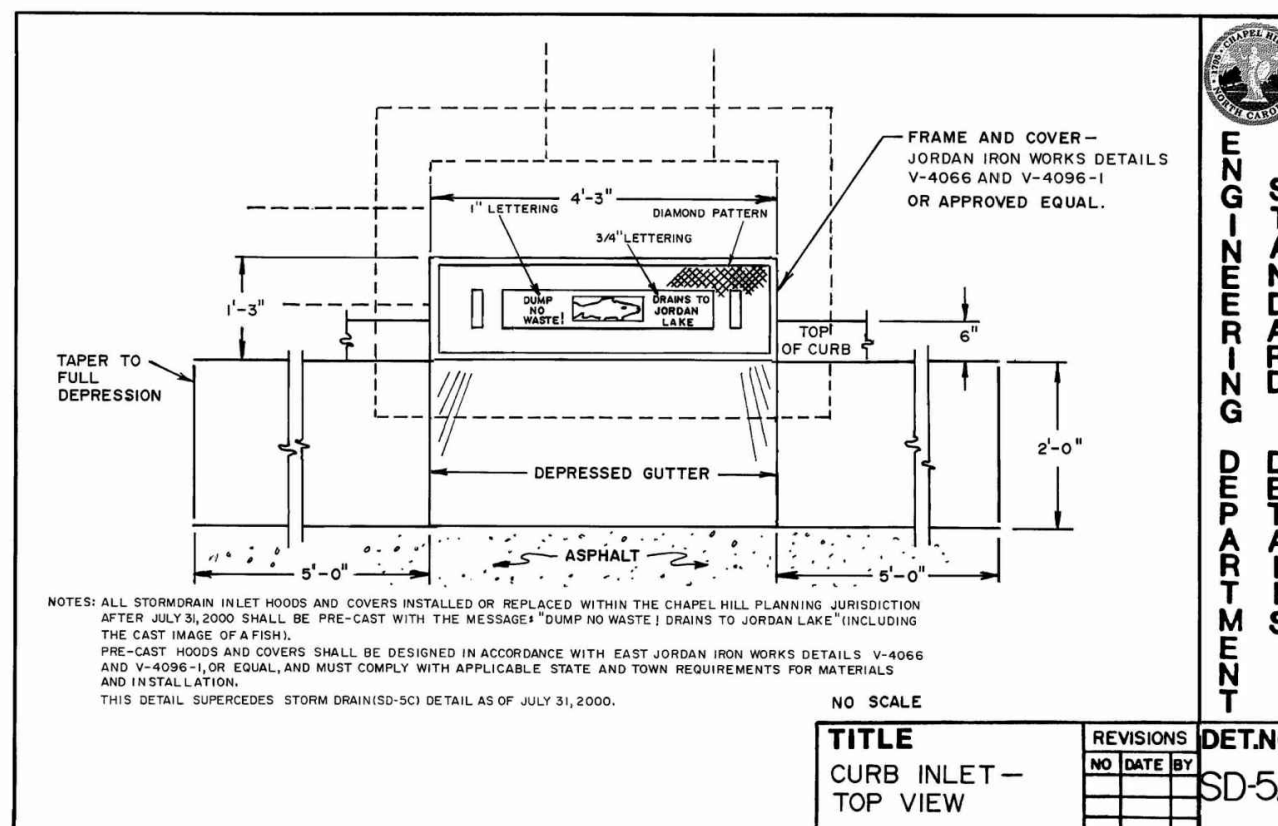
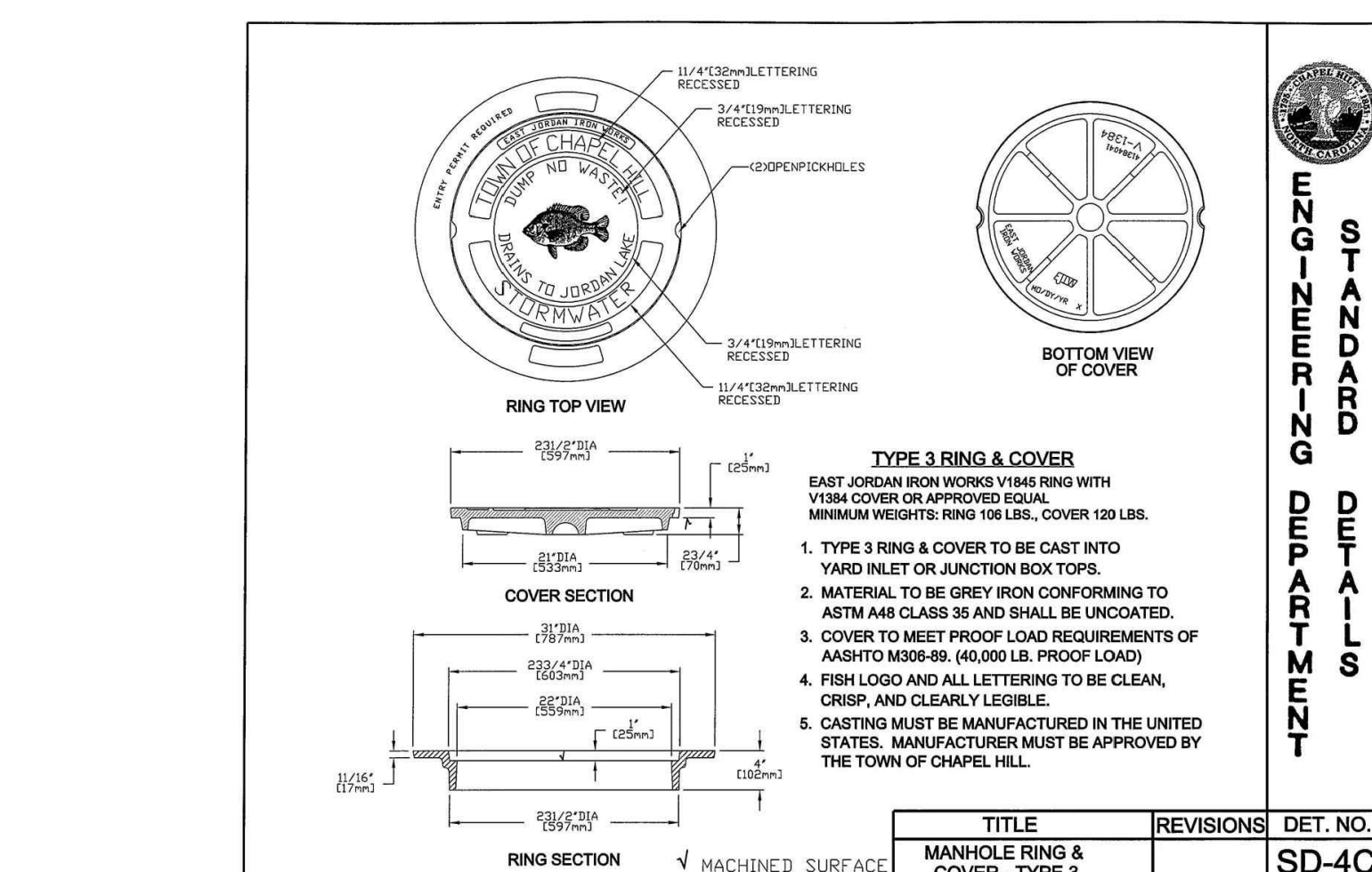
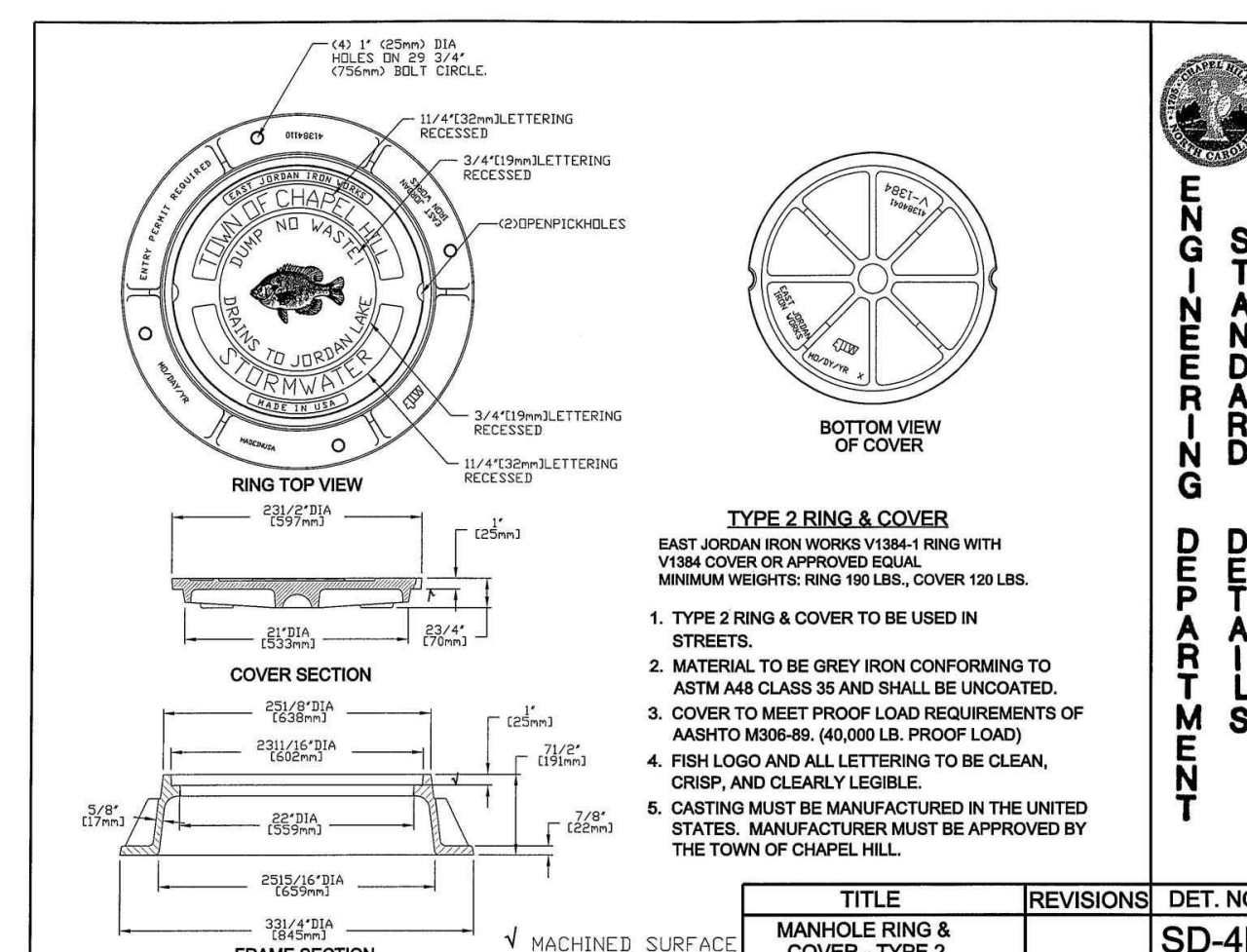
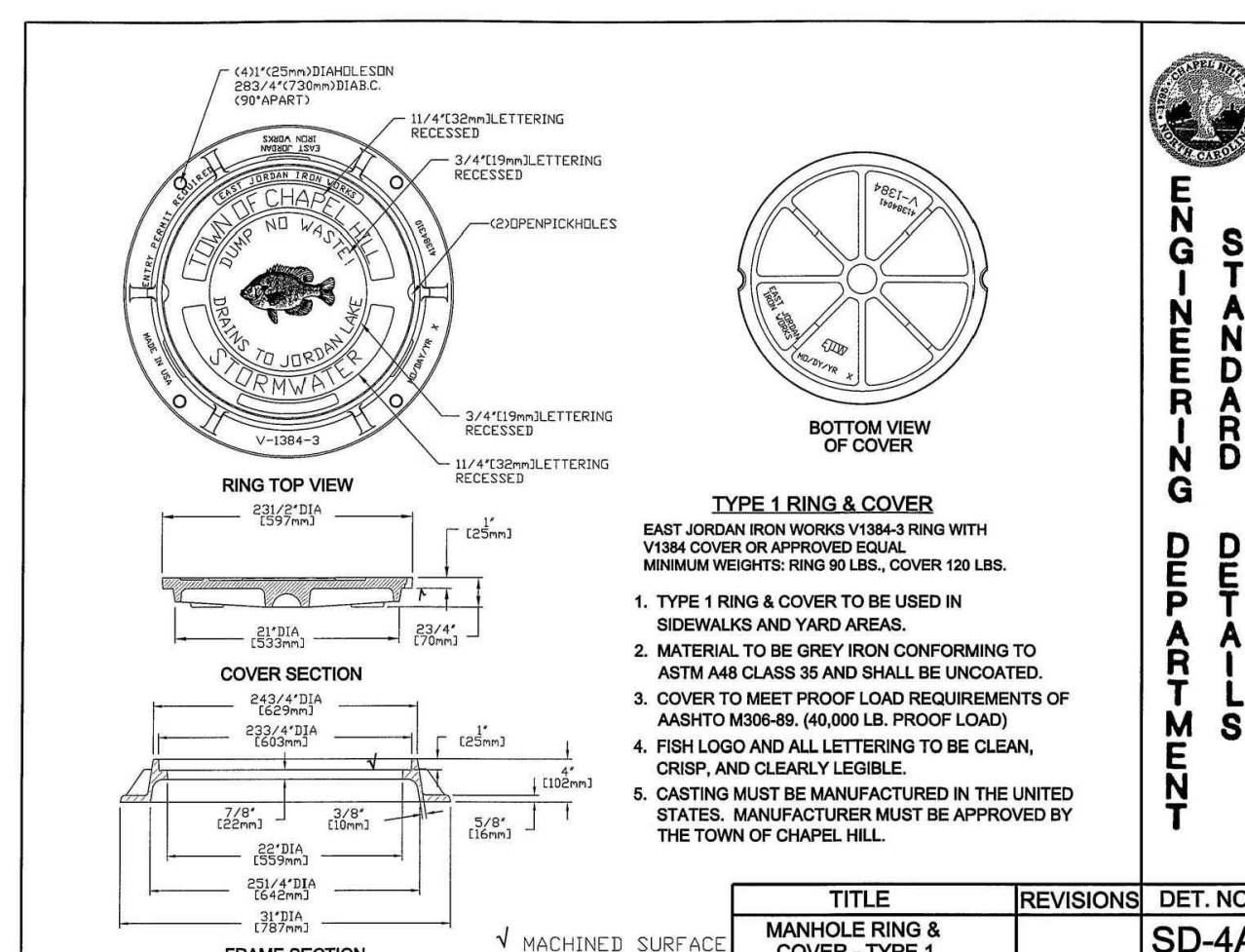
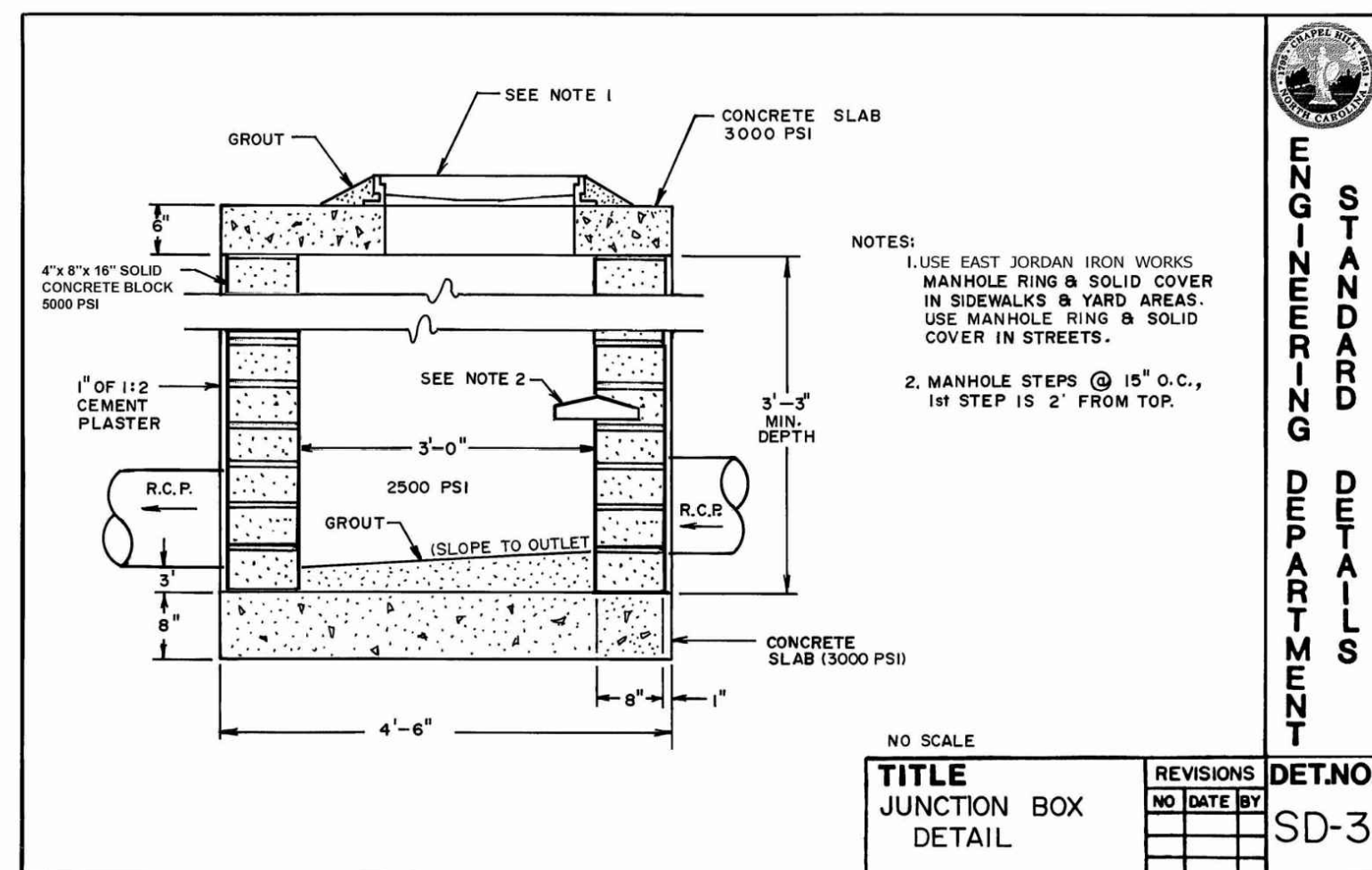
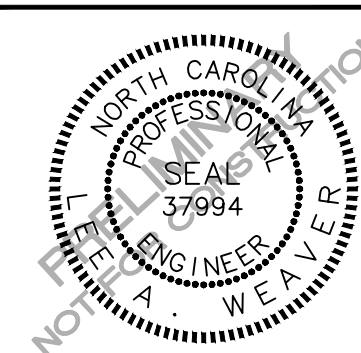
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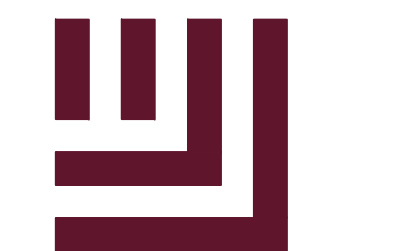
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FILENAME RAM19000-D1
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DATE 07.16.2021

SHEET

STORM DRAINAGE
DETAILS

C8.01



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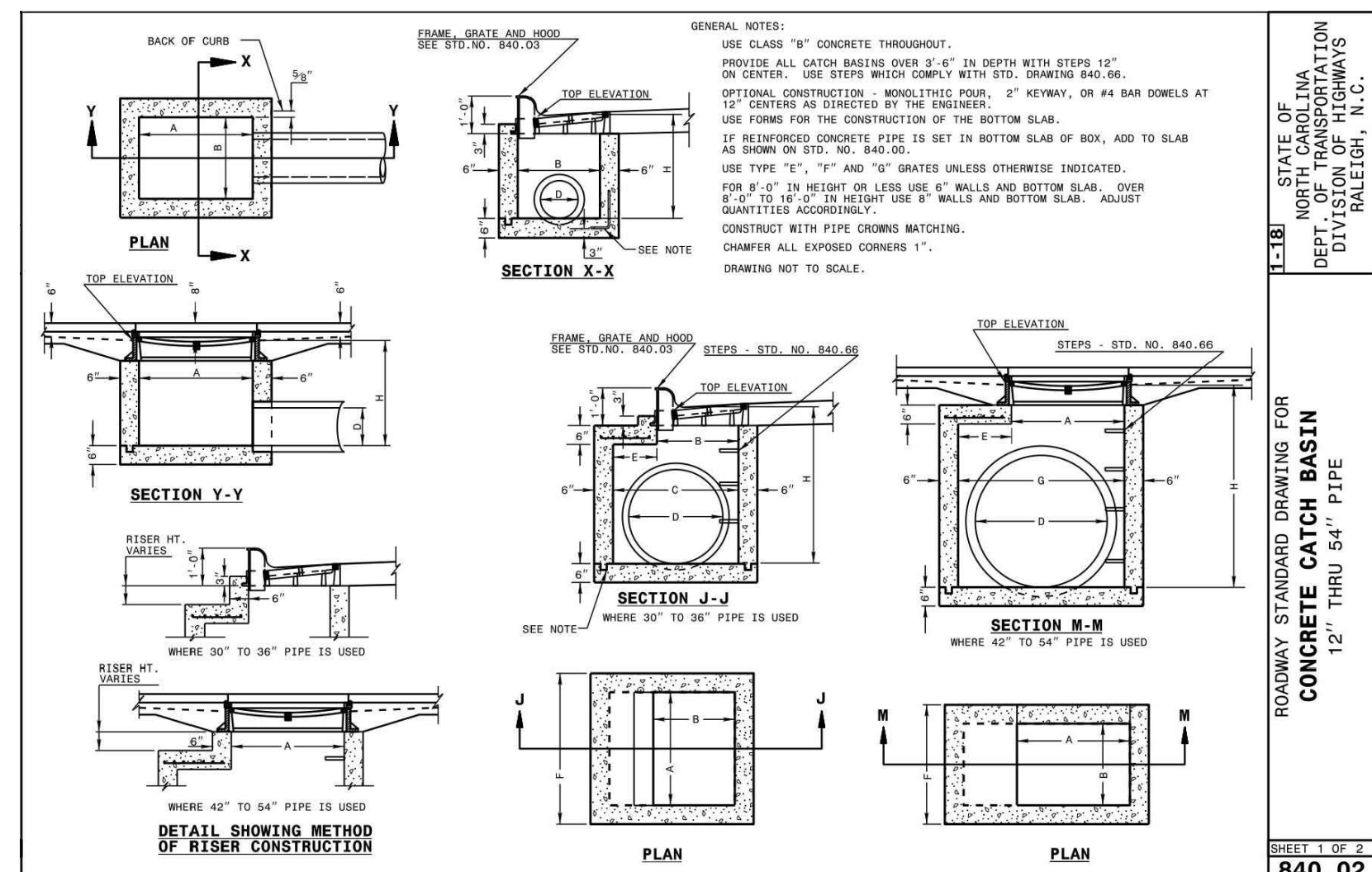
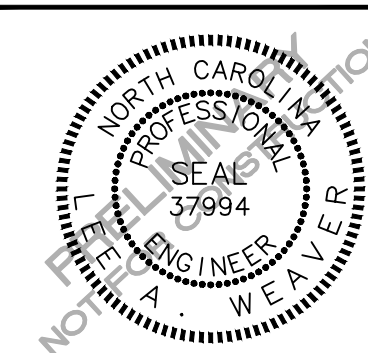
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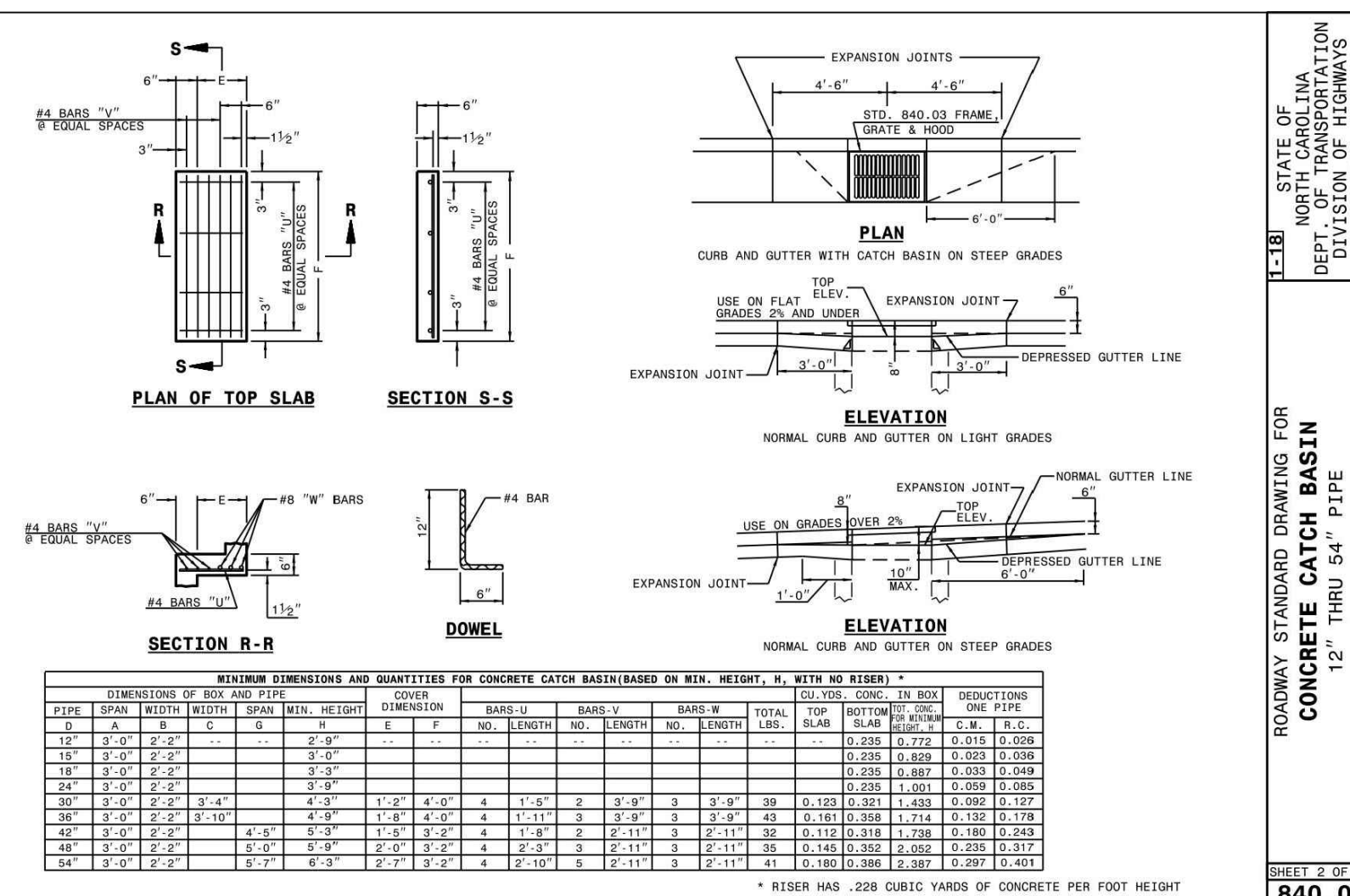


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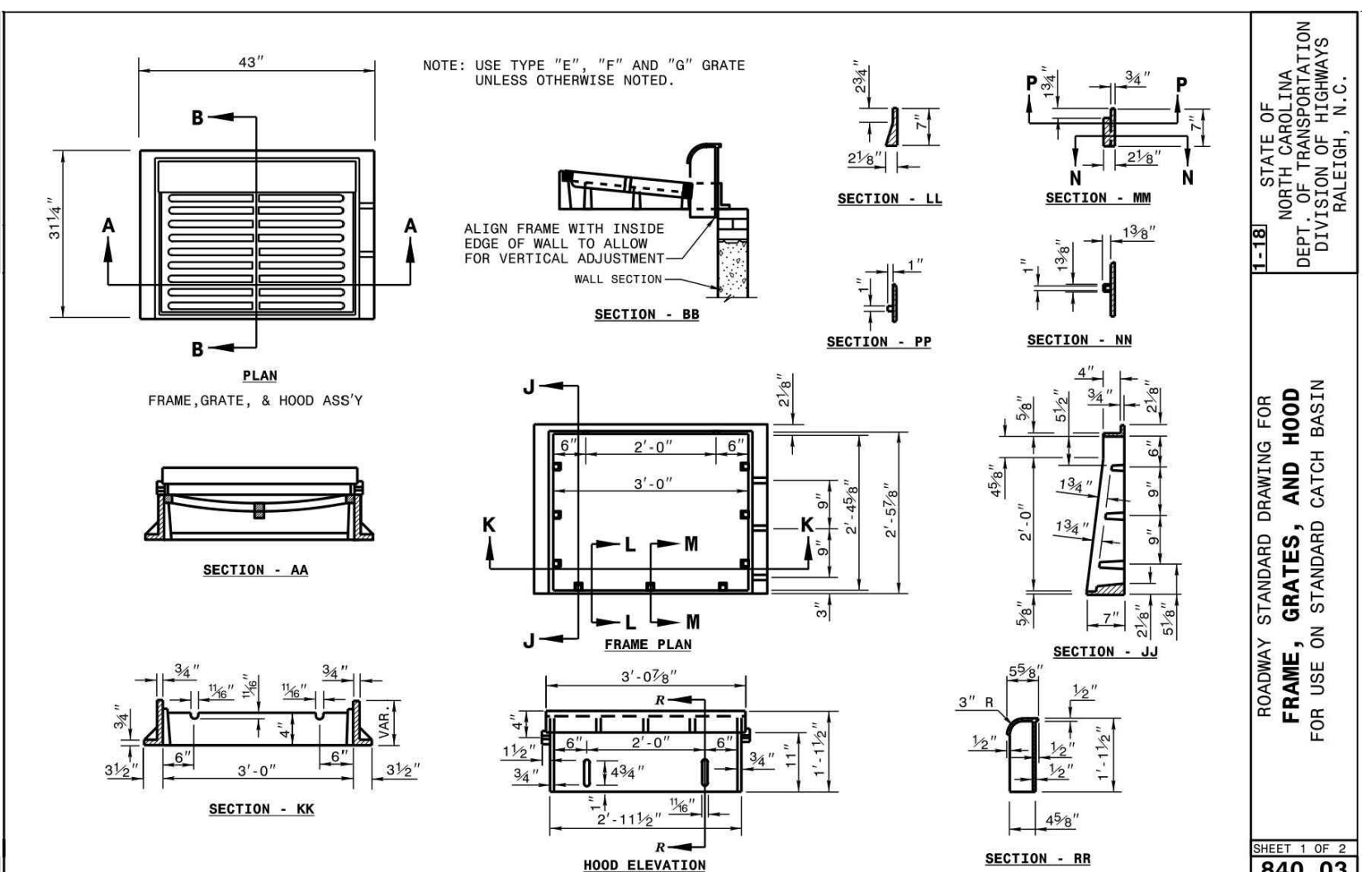
ROADWAY STANDARD DRAWING FOR CONCRETE CATCH BASIN 12" THRU 54" PIPE

840.02



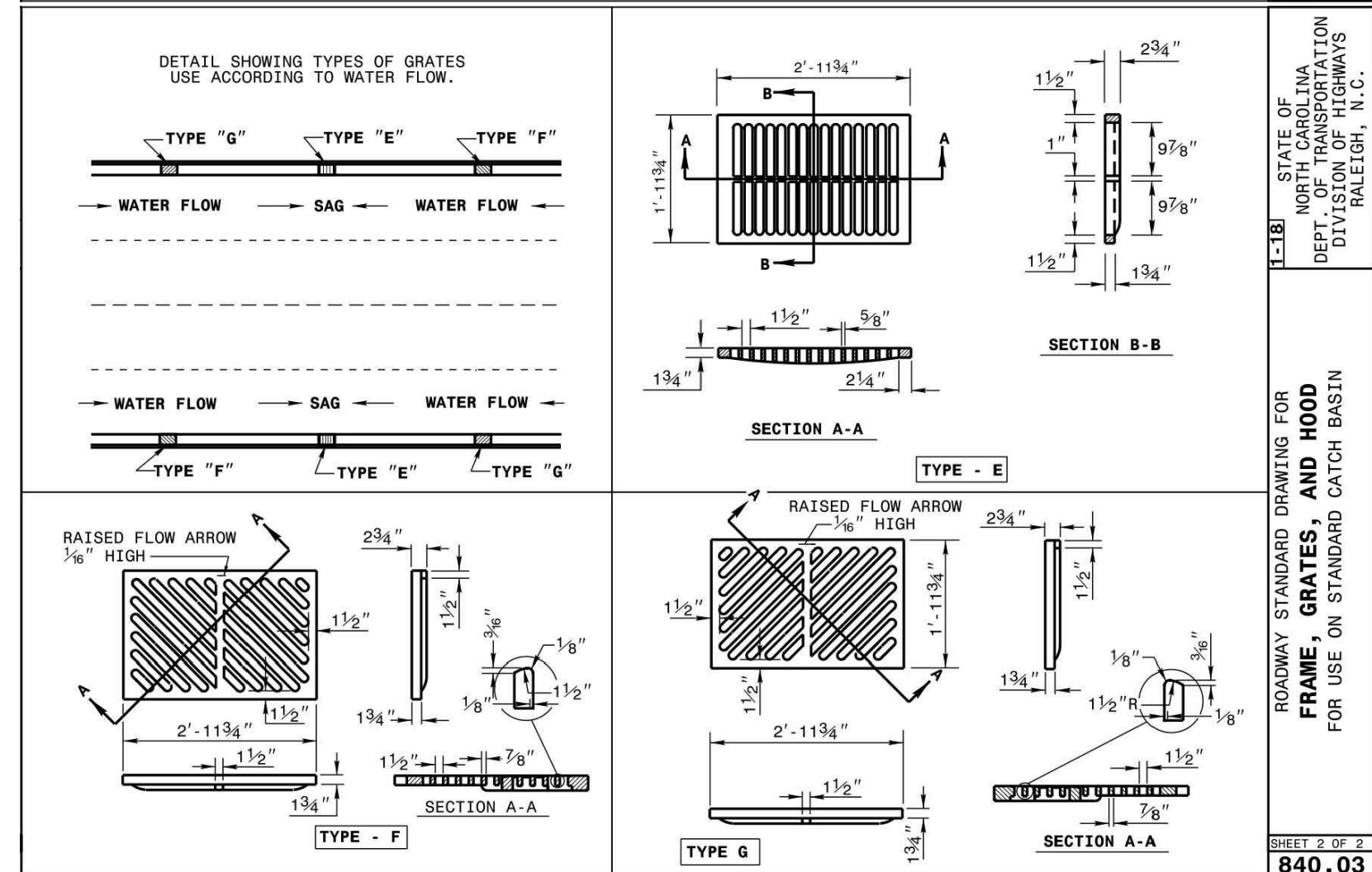
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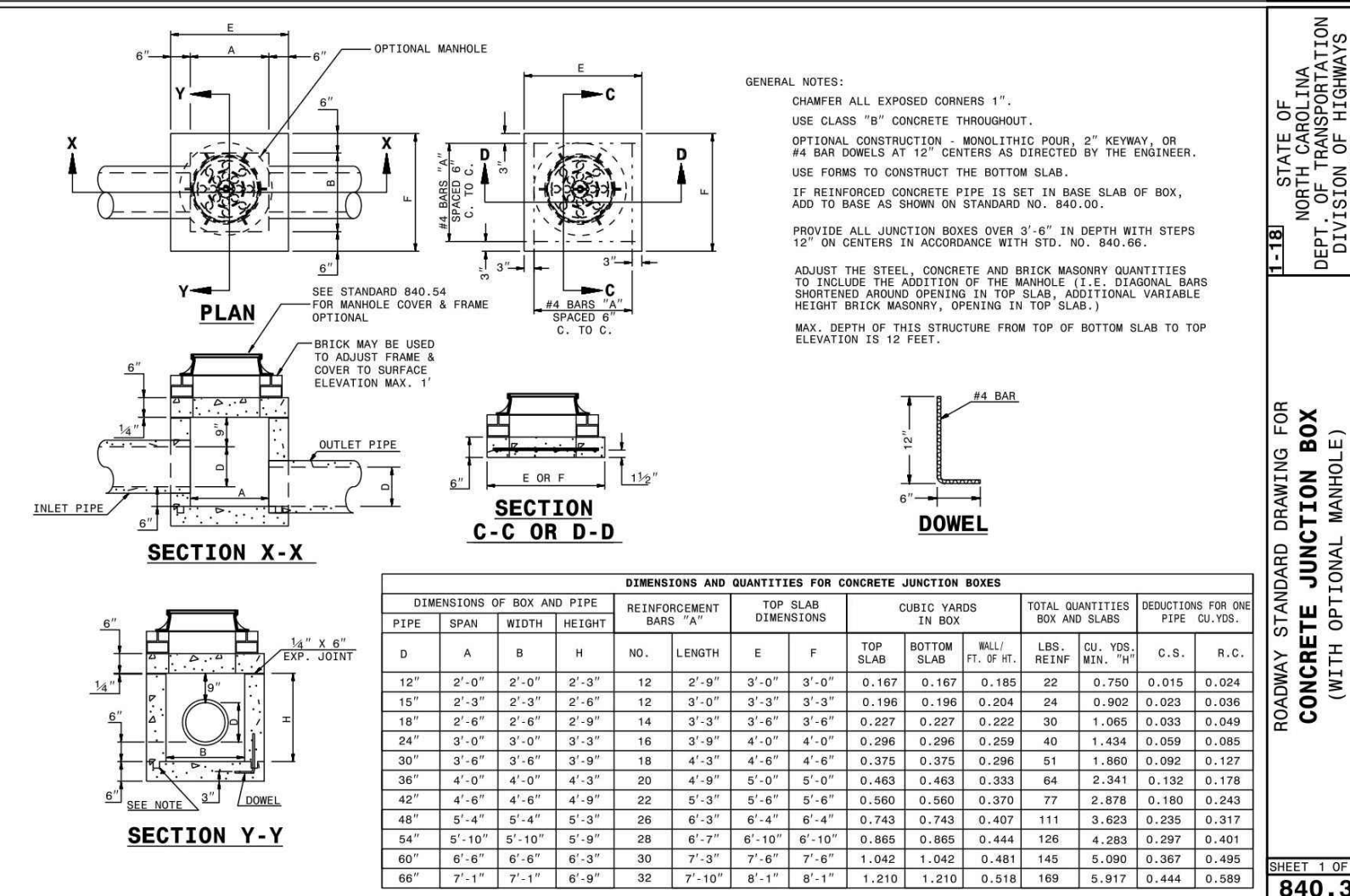
ROADWAY STANDARD DRAWING FOR FRAME, GRATES, AND HOOD FOR USE ON STANDARD CATCH BASIN

840.03



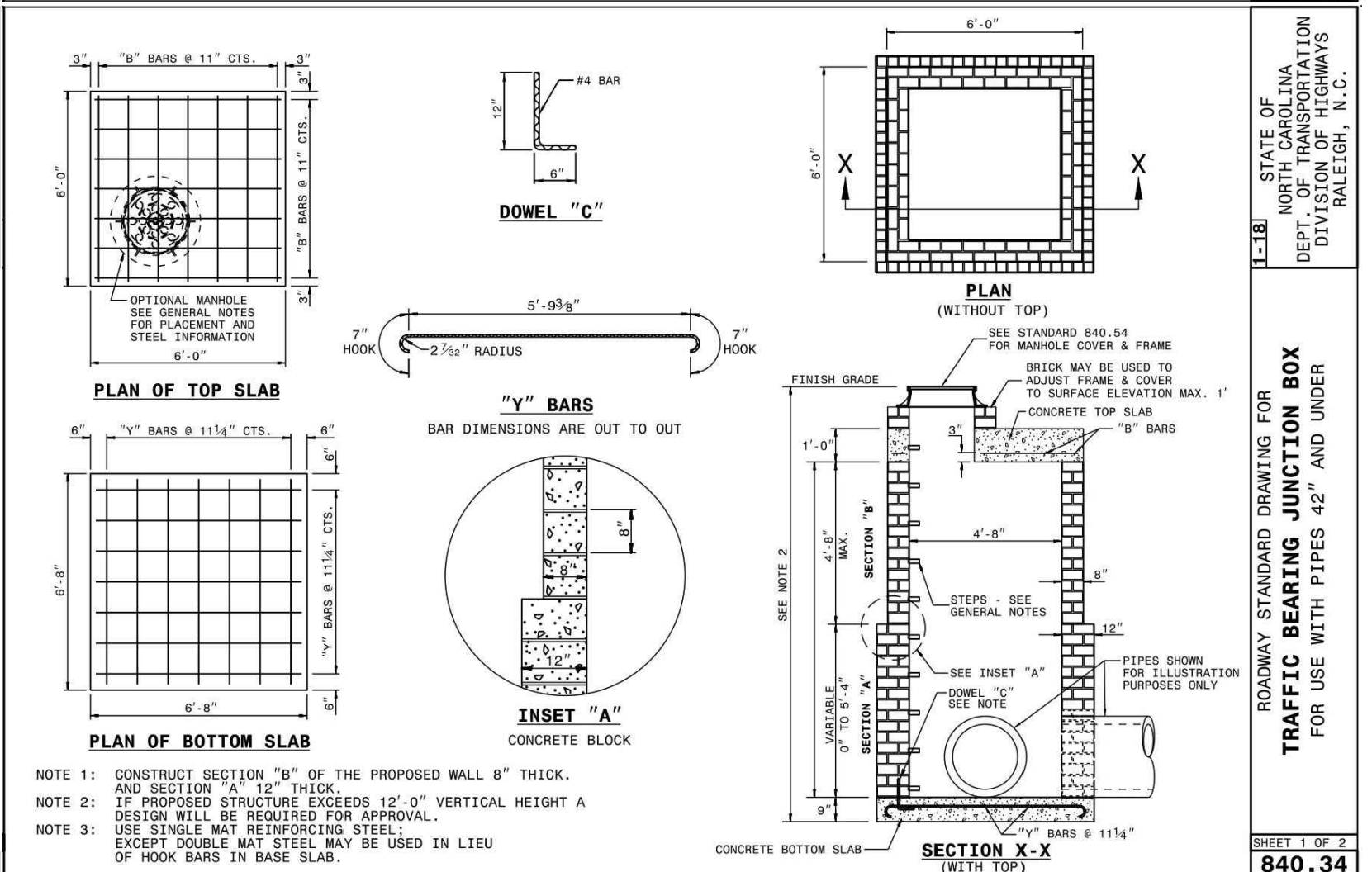
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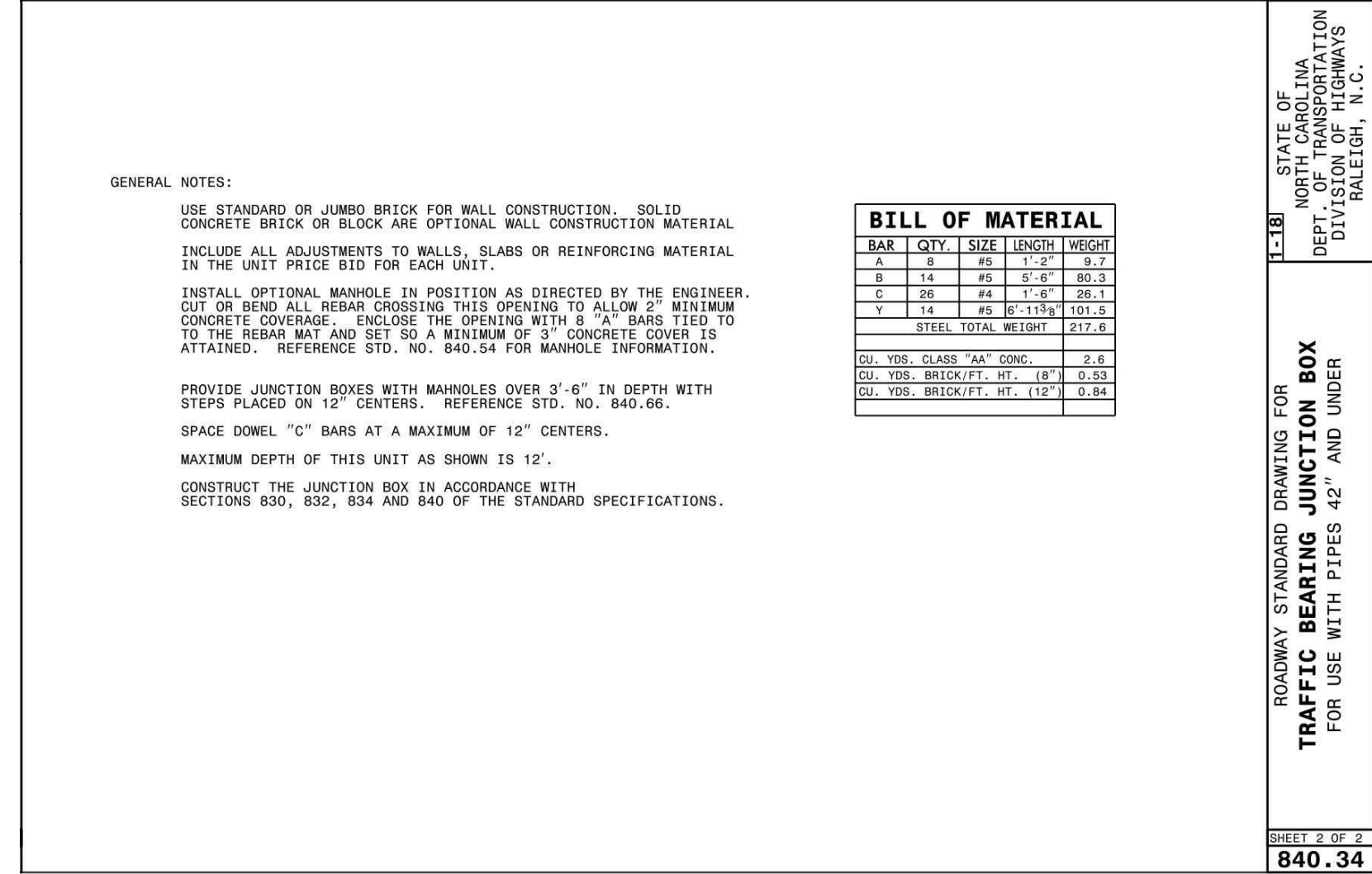
ROADWAY STANDARD DRAWING FOR CONCRETE JUNCTION BOX (WITH OPTIONAL MANHOLE)

840.31



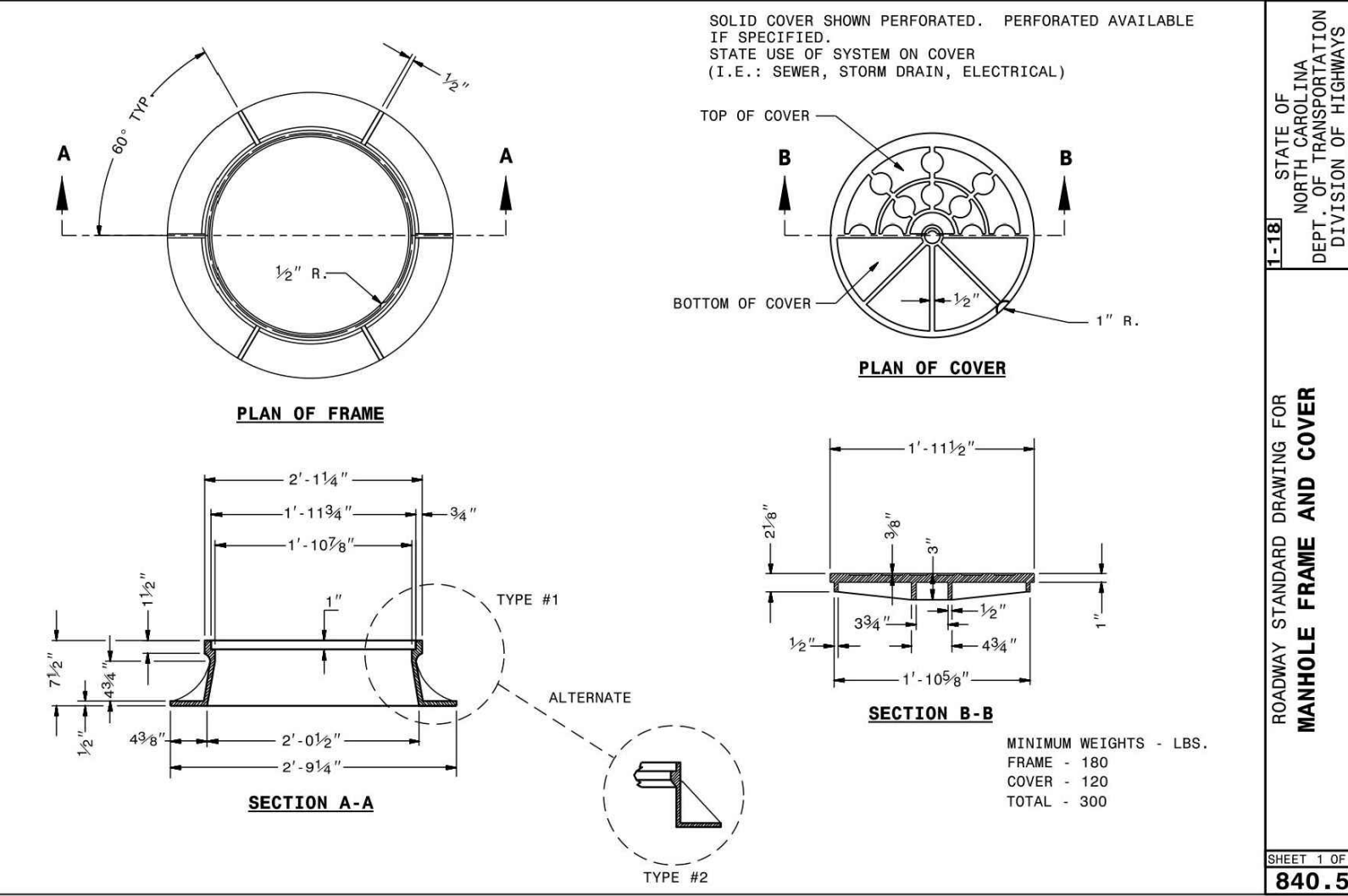
ROADWAY STANDARD DRAWING FOR TRAFFIC BEARING JUNCTION BOX FOR USE WITH PIPES 42" AND UNDER

840.34



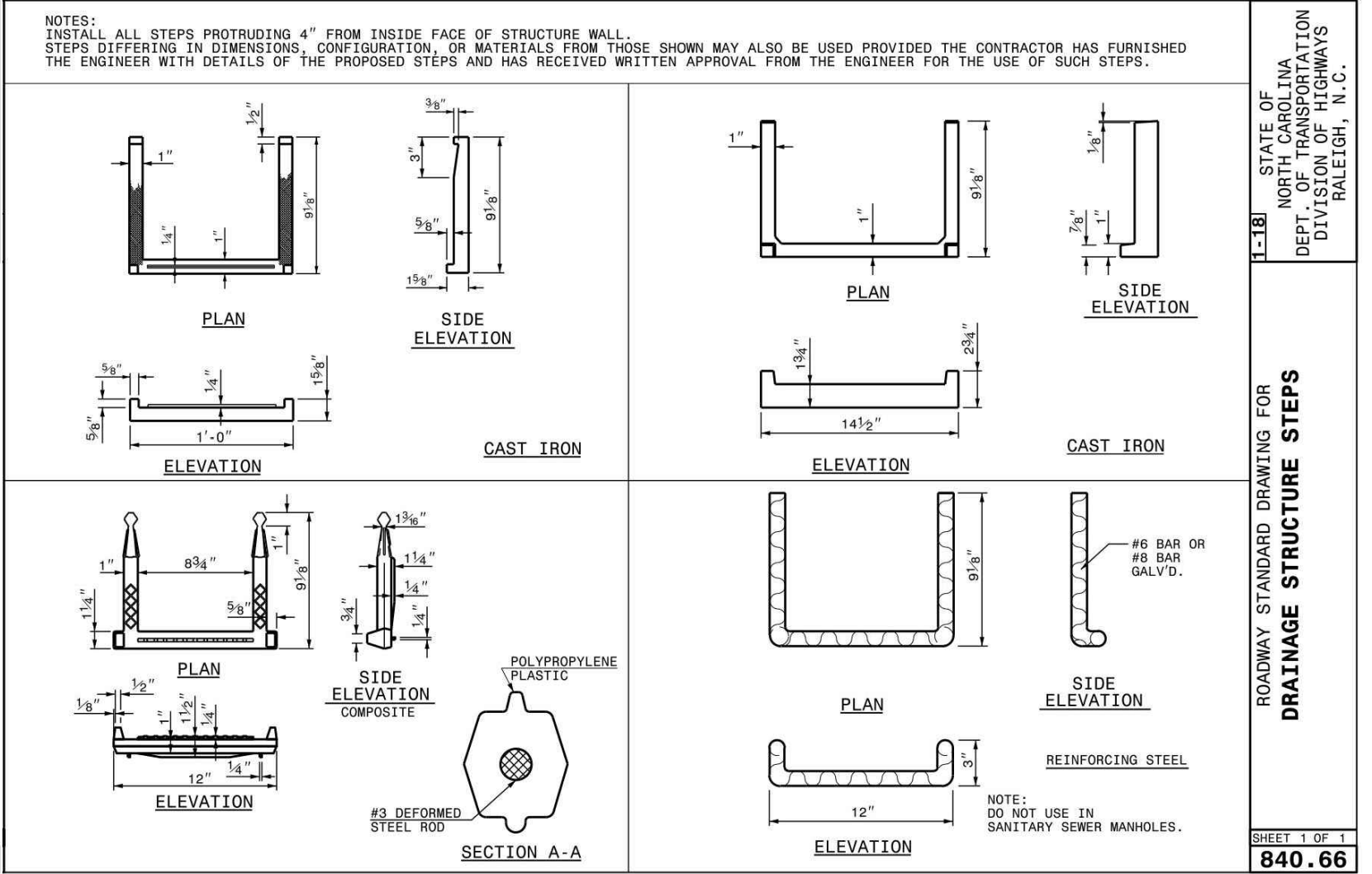
ROADWAY STANDARD DRAWING FOR TRAFFIC BEARING JUNCTION BOX FOR USE WITH PIPES 42" AND UNDER

840.34



ROADWAY STANDARD DRAWING FOR MANHOLE FRAME AND COVER

840.54

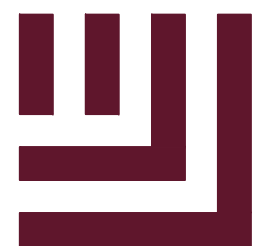


ROADWAY STANDARD DRAWING FOR DRAINAGE STRUCTURE STEPS

840.66

Table with 4 columns: BAR, LENGTH, DIAMETER, WEIGHT. Includes steel total weight and reinforcement details.

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NO. DATE DESCRIPTION

PLAN INFORMATION

PROJECT NO. 2021110354
FILENAME RAM19000-D1
CHECKED BY LAW
DRAWN BY MRO
SCALE N/A
DATE 07.16.2021

SHEET

OWASA DETAILS

C8.03

TEST PRESSURE = 150 P.S.I.
Table with columns: PIPE SIZE, TYPE FITTING, DIMENSIONS (F.L.), VOLUME CONCRETE. Includes CHART NOTES and OWASA logo.

ORANGE WATER AND SEWER AUTHORITY
BLOCKING DETAIL FOR HORIZONTAL BENDS AND TEE
Includes diagrams for ALL BEND FITTINGS and TEE FITTING, and SECTION A-A.

ORANGE WATER AND SEWER AUTHORITY
STANDARD VERTICAL BEND DETAIL
Includes PROFILE VIEW diagram and NOTES.

ORANGE WATER AND SEWER AUTHORITY
DETAIL OF ROCK EXCAVATION
Includes cross-section diagram and NOTES.

ORANGE WATER AND SEWER AUTHORITY
STANDARD SCREW VALVE BOX DETAIL
Includes detailed cross-section diagram and NOTES.

ORANGE WATER AND SEWER AUTHORITY
THRUST FOOTING DETAIL
Includes diagrams for FLANGE & FLANGE 90° DIP BEND and FLANGE & PLAIN END DIP RISER.

ORANGE WATER AND SEWER AUTHORITY
BLOCKING DETAIL FOR HORIZONTAL BENDS AND TEE
Table with columns: PIPE SIZE, TYPE FITTING, DIMENSIONS (F.L.), VOLUME CONCRETE. Includes CHART NOTES.

ORANGE WATER AND SEWER AUTHORITY
BLOCKING DETAIL FOR HORIZONTAL BENDS AND TEE
Table with columns: PIPE SIZE, TYPE FITTING, DIMENSIONS (F.L.), VOLUME CONCRETE. Includes CHART NOTES.

ORANGE WATER AND SEWER AUTHORITY
DOUBLE DETECTOR CHECK VALVE/RPDA ASSEMBLY
Includes PLAN VIEW diagram and NOTES.

ORANGE WATER AND SEWER AUTHORITY
REDUCED PRESSURE ZONE BACKFLOW/RPDA ASSEMBLY
Includes ELEVATION and INTERIOR diagrams and NOTES.

ORANGE WATER AND SEWER AUTHORITY
DETECTOR METER INSTALLATION (FIRE SYSTEM)
Includes ELEVATION and INTERIOR diagrams and NOTES.

ORANGE WATER AND SEWER AUTHORITY
VALVE BOX STABILIZING PAD DETAILS
Includes FIELD AND EASEMENT OR SIDE OF ROAD LOCATION and IN STREET LOCATION diagrams.

X:\Projects\RAM\19000\04-Production\Engineering\Construction\Drawings\Multi-Family\Current\Drawings\RAM19000-D1.dwg, 7/16/2021 10:06:44 AM, Mallory D'Elie