Skye Drive Sidewalk Improvements

FAYETTEVILLE NC
AMERICA'S CAN DO CITY

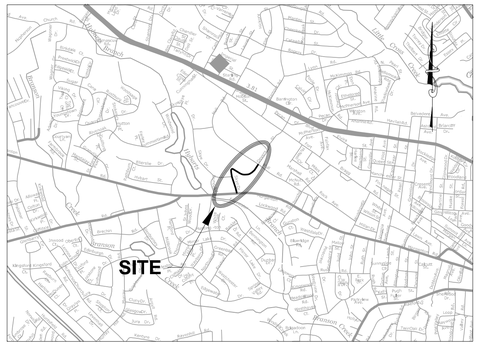
APPENDIX A

Drawings

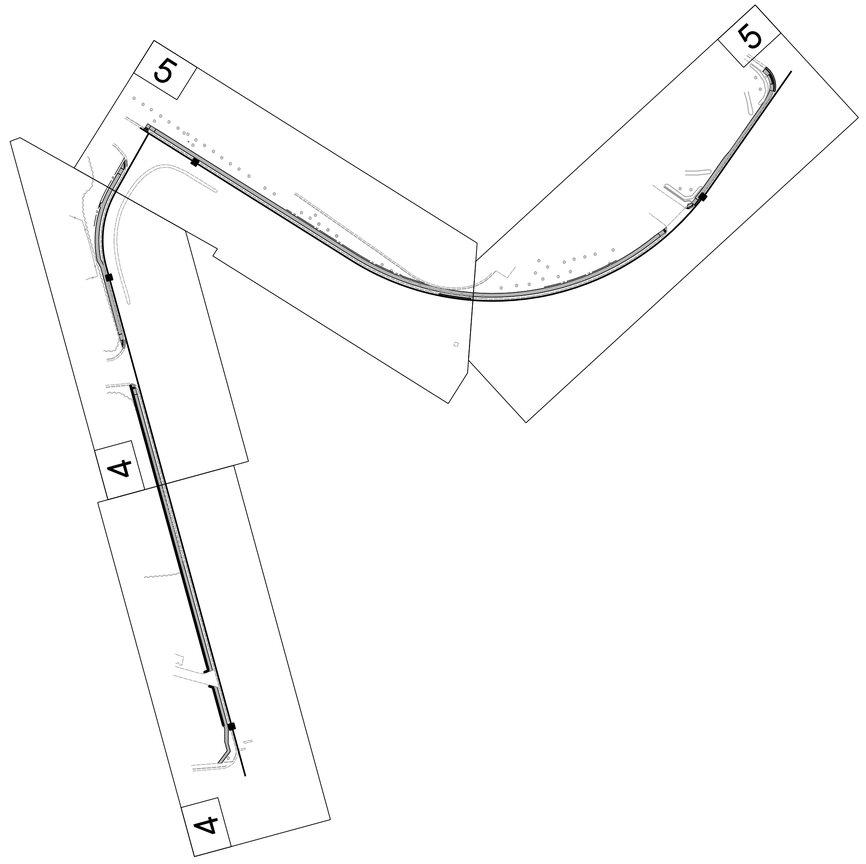
FAYETTEVILLE NC
PUBLIC SERVICES

SKYE DRIVE
SIDEWALK IMPROVEMENTS

THIS PROJECT CONSISTS OF:
INSTALL 1,820 LINEAR FEET (0.34 MILES) OF CONCRETE SIDEWALK ALONG WESTERN SIDE OF SKYE DRIVE AND WESTERN AND NORTHERN SIDE OF DEVERS STREET FROM MORGANTON ROAD TO HULL ROAD



VICINITY MAP



NAD 83/2011

INDEX

PROJECT CONTACTS
CITY OF FAYETTEVILLE

Engineering	Byron Reeves, PE, CFM Deputy Public Services Director - Engineering 433 Hay Street, Fayetteville, NC 28301 (910) 433-1301 byronreeves@fayettevillenc.gov
Construction Management	Jeff Riddle, PLS Construction Manager 339 Alexander Street, Fayetteville, NC 28301 (910) 433-1661 jeffreyriddle@fayettevillenc.gov
Traffic Services	Brian McGill, PE, PTOE Interim Assistant Public Services Director 339 Alexander Street, Fayetteville, NC 28301 brianmcgill@fayettevillenc.gov

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

SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: COVER
SHEET NUMBER: 1 of 11

RK&K
Raleigh, NC 27609
8081 Arco Corporate Drive, Suite 400
Phone: (919) 790-0999
Engineers | Construction Managers | Planners | Scientists
Associate Profile | Corridor Solutions

FAYETTEVILLE NC
AMERICA'S CAN DO CITY
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN SEALS
Erin Seals
NAME: DATE:

REVISIONS

REV. #	DESCRIPTION	REV BY	DATE

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH-PE
APPROVED : JEFF MEADOR, PE
PROJECT : FAYETTEVILLE SIDEWALK IMPROVEMENTS
NAME :
SCALE : 1"=100'
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #

ABBREVIATIONS

ASPH – ASPHALT
B/C – BACK OF CURB
BM – BENCHMARK
BFP – BACK FLOW PREVENTER
CB – CATCH BASIN
CP – CABLEVISION PEDESTAL
C&G – CURB AND GUTTER
C/L – CHAIN LINK
CMP – CORRUGATED METAL PIPE
CO – CLEANOUT
CONC – CONCRETE
CONST – CONSTRUCTION
CP – CONTROL POINT
CTR – CENTER
DB – DEED BOOK
DEPT – DEPARTMENT
DI – DROP INLET
DIP – DUCTILE IRON PIPE
DWA – DRIVEWAY ASPHALT
DWB – DRIVEWAY BRICK
DWC – DRIVEWAY CONCRETE
DWD – DRIVEWAY DIRT
DWG – DRIWEWAY GRAVEL
E – EAST/EASTING
EOP – EDGE OF PAVEMENT
ESMT – EASEMENT
EV – ELECTRICAL VAULT
F/C – FACE OF CURB
FES – FLARED END SECTION
FH – FIRE HYDRANT
FOB – FIBER OPTIC BURIED
FOM – FIBER OPTIC MARKER
FP – FLAG POLE
GV – GAS VALVE
GW - GUY WIRE
GWV – GATE WATER VALVE
HDPE – HIGH DENSITY POLYETHYLENE
INV – INVERT
JB – JUNCTION BOX
LF – LINEAR FOOT
LOD – LIMITS OF DISTURBANCE
LP – LIGHT POLE
MAX – MAXIMUM
MB - MAILBOX
MHEL – MANHOLE ELECTRIC
MHSD – MANHOLE STORM DRAIN
MHSS – MANHOLE SANITARY SEWER
MHTP – MANHOLE TELEPHONE
N – NORTH/NORTHING
O.C. – ON CENTER
O/H – OVERHEAD
PVMT – PAVEMENT
PC – POINT OF CURVATURE
PERM –PERMANENT
PG – PAGE
PI – POINT OF INTERSECTION
PVC – POLYVINYL CHLORIDE
PP – POWER POLE
RCP – REINFORCED CONCRETE PIPE
R/W – RIGHT OF WAY
S– SOUTH
SC – SAWCUT
SD – STORM DRAIN
S/R – SPLIT RAIL
SS – SANITARY SEWER
STA – STATION
STD – STANDARD
SWA - SIDEWALK ASPHALT
SWB – SIDEWALK BRICK
SWC – SIDEWALK CONCRETE
SY – SQUARE YARD
TC – TRASH CAN
TD - TRUNCATED DOME
TCE – TEMPORARY CONSTRUCTION EASEMENT
TCP – TERRA COTTA PIPE
TP – TELEPHONE PEDESTAL
TSB - TRAFFIC SIGNAL BOX
TVP – TRAVERSE POINT
TYP – TYPICAL
U.O.N. – UNLESS OTHERWISE NOTED
UP – UTILITY POLE
W – WEST
WCR – WHEELCHAIR RAMP
WM – WATER METER
WV – WATER VAULT

LEGEND

PROPOSED CONCRETE
PROPOSED CONCRETE CURB AND GUTTER
PROPOSED RIGHT-OF-WAY
PROPOSED FENCE
PROPOSED UNDERGROUND GAS
PROPOSED UNDERGROUND WATER
PROPOSED SANITARY SEWER
PROPOSED STORM DRAIN
PROPOSED TEMPORARY CONSTRUCTION EASEMENT
PROPOSED EASEMENT
SILT FENCE - LIMITS OF DISTURBANCE
PROPOSED SWALE
PROPOSED TRUNCATED DOMES
PROPOSED SANITARY SEWER MAN HOLE
PROPOSED STORM SEWER MAN HOLE
PROPOSED ELECTRICAL MAN HOLE
PROPOSED TELEPHONE MAN HOLE
PROPOSED CATCH BASIN
PROPOSED DROP INLET
PROPOSED ELECTRICAL VAULT
PROPOSED WATER VAULT
PROPOSED WATER METER
PROPOSED SANITARY SEWER CLEAN OUT
PROPOSED POWER POLE
PROPOSED LIGHT POLE
PROPOSED FIRE HYDRANT
PROPOSED GATE WATER VALVE
PROPOSED GAS VALVE
PROPOSED TREE
PROPOSED SHRUB
INLET PROTECTION
PROPOSED FLAIRED END SECTION
PROPOSED HEADWALL
C — LIMIT OF CONSTRUCTION IN CUT SECTION
F — LIMIT OF CONSTRUCTION IN FILL SECTION

WETLANDS
EXISTING CONCRETE/SIDEWALK
EXISTING CONCRETE CURB AND GUTTER
EXISTING RIGHT-OF-WAY
EXISTING FENCE
EXISTING UNDERGROUND GAS
EXISTING UNDERGROUND WATER
EXISTING SANITARY SEWER
EXISTING STORM SEWER
EXISTING FIBER OPTIC BURIED
EXISTING UNDERGROUND ELECTRIC
EXISTING OVERHEAD ELECTRIC
EXISTING TELEPHONE CABLE
EXISTING CABLEVISION
EXISTING TRAIN TRACKS
EXISTING EASEMENT
EXISTING SWALE
EXISTING SANITARY SEWER MAN HOLE
EXISTING STORM SEWER MAN HOLE
EXISTING ELECTRICAL MAN HOLE
EXISTING TELEPHONE MAN HOLE
EXISTING CATCH BASIN
EXISTING DROP INLET
EXISTING ELECTRICAL VAULT
EXISTING WATER VAULT
EXISTING WATER METER
EXISTING SANITARY SEWER CLEAN OUT
EXISTING POWER POLE
EXISTING LIGHT POLE
EXISTING FIRE HYDRANT
EXISTING WATER VALVE
EXISTING GAS VALVE

EXISTING CONCRETE MONUMENT
EXISTING SURVEY CONTROL MARKER
EXISTING PROPERTY CORNER (EIR/ERB/SIR/EIP)
EXISTING MAILBOX
EXISTING TREE
EXISTING SHRUB
EXISTING FLAIRED END SECTION
EXISTING HEADWALL

SKYE DRIVE SIDEWALK IMPROVEMENTS
PLAN TYPE: LEGEND
SHEET NUMBER 2 of 11

RK&K
RK&K, LLP
3621 Bonnybrook Road, Suite 700
Fayetteville, North Carolina 28306
NC License No. C-2412
Engineers | Construction Managers | Planners | Scientists
www.rkk.com
Responsive People | Creative Solutions

FAYETTEVILLE NC
AMERICA'S CAN DO CITY
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN B. SEALS
Erin Seals
DATE:
NAME:

REVISIONS
REV. # | DESCRIPTION | DATE | REV. BY

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH,PE
APPROVED : JEFF MEADOR, PE
PROJECT NAME : FAYETTEVILLE SIDEWALK IMPROVEMENTS
SCALE :
DATE : 2/25/2025

PROJECT NO.
SUB-LEDGER NO.
PROJECT #
SUB-LEDGER #

GENERAL NOTES:

ACCESS TO SITES SHALL BE BY PUBLIC RIGHT-OF-WAYS AND UTILITY EASEMENTS. OTHER ACCESS LOCATIONS REQUIRED SHALL BE SECURED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. SUPPLEMENTAL EROSION CONTROL MEASURES SHALL BE REQUIRED TO INCLUDE CONSTRUCTION ENTRANCES, SILT FENCING, RESTORATION, ETC.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE CONSTRUCTION STAGING AREA AT HIS EXPENSE. A TEMPORARY USE PERMIT IS REQUIRED FOR THE STAGING AREA (ZONING 433-1705).

THE CONTRACTOR IS EXPECTED AND REQUIRED TO COOPERATE WITH THE PROPERTY OWNERS AFFECTED BY THE WORK. PRIVATE AGREEMENTS WITH PROPERTY OWNERS MUST BE IN WRITING ON A FORM APPROVED BY THE ENGINEER AND A COPY SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES AFFECTED BY SAID AGREEMENT. THE AGREEMENT MUST SPECIFY THAT THE CITY AND THE ENGINEER SHALL BE HELD HARMLESS AGAINST ALL CLAIMS ARISING FROM THE AGREEMENT. THE OWNER DISCOURAGES PRIVATE AGREEMENTS. BEFORE FINAL ACCEPTANCE, A RELEASE FROM EACH PROPERTY OWNER THAT THE CONTRACTOR MADE AN AGREEMENT WITH SHALL BE REQUIRED. THE PROPERTY OWNER'S RELEASE IS A CONDITION OF FINAL ACCEPTANCE.

CONTRACTOR SHALL MAINTAIN A NEAT AND CLEAN JOB-SITE TO INCLUDE STAGING/STORAGE AREAS AS FOLLOWS:

- PERFORM DUST CONTROL BY WATERING DAILY OR AS DIRECTED BY THE ENGINEER.
- SWEEP STREETS A MINIMUM OF ONCE WEEKLY (FRIDAY) OR AS DIRECTED BY THE ENGINEER.
- BLADE, LEVEL AND RE-COMPACT ALL EXPOSED TRENCHES WEEKLY (OR AS DIRECTED BY THE ENGINEER) TO PRODUCE A SMOOTH "RIDE".
- PERFORM DAILY CLEAN-UP OF ALL DIRT, DEBRIS AND SCRAP MATERIALS.
- REMOVE EXCESS EQUIPMENT, MATERIALS, TOOLS, ETC. NOT NEEDED.

CONTRACTOR SHALL PROVIDE MEASURES DURING CONSTRUCTION TO SECURE THE SITE AND EXCAVATION FROM THE GENERAL PUBLIC AND COMPLY WITH ALL OSHA REGULATIONS. JOB SITE SAFETY IS THE EXCLUSIVE AND SOLE RESPONSIBILITY OF THE CONTRACTOR. OPEN EXCAVATION LEFT UNATTENDED OR OVER NIGHT IS NOT ACCEPTABLE AND SHALL BE FILLED IMMEDIATELY.

CONTRACTOR SHALL REPAIR OR REPLACE DRIVES DISTURBED BY CONSTRUCTION TO EXISTING OR BETTER CONDITIONS. NO SEPARATE PAYMENT UNLESS OTHERWISE INDICATED.

CONTRACTOR SHALL PROVIDE TEMPORARY FENCING WHERE FENCES ARE REMOVED FOR CONSTRUCTION. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING FENCE AND INSTALLATION OF TEMPORARY FENCE WITH PROPERTY OWNER PRIOR TO CONSTRUCTION. REMOVAL OF TEMPORARY FENCE AND INSTALLATION OF PERMANENT FENCE MUST ALSO BE COORDINATED WITH PROPERTY OWNER. ALL REMOVAL, TEMPORARY, AND REPLACEMENT FENCING SHALL BE CONSIDERED INCIDENTAL TO THE CITY INSTALLATION AND NO SEPARATE PAYMENT SHALL BE MADE. CONTRACTOR SHALL REINSTALL ALL SHEDS, FENCES, ETC. TO AS GOOD OR BETTER THAN EXISTING CONDITIONS UNLESS OTHERWISE INDICATED. (NO SEPARATE PAYMENT).

CONTRACTOR SHALL REPLACE ALL DISTURBED MAILBOXES, SIGNS, ETC. DISTURBED DURING CONSTRUCTION WITHIN 24 HOURS OF DISTURBANCE. PERMANENT ROAD SIGNAGE DISTURBED SHALL BE REPLACED IMMEDIATELY AND IF NECESSARY ROADWAY SIGNS SHALL BE TEMPORARILY INSTALLED IN A LOCATION CONSISTENT WITH THE NCMUTCD TO PROVIDE CONTINUOUS TRAFFIC AWARENESS OF ROADWAY CONDITIONS. (NO SEPARATE PAYMENT).

CONTRACTOR SHALL PROVIDE SECURITY FENCING, SECURITY GUARD, AND ANY AND ALL OTHER MEASURES CONTRACTOR DEEMS NECESSARY TO PROTECT EQUIPMENT AND MATERIALS STORED ON THE PROJECT. (NO SEPARATE PAYMENT).

WHERE CONTRACTOR CEASES WORK OPERATION FOR A 72 HOUR PERIOD OR LONGER, SUCH AS HOLIDAYS, ETC., THE FOLLOWING SHALL BE ACCOMPLISHED PRIOR TO THE WORK STOPPAGE.

- CONTRACTOR WILL STORE ALL EQUIPMENT IN THE CONTRACTOR STAGING AREA OR OFF SITE.
- THE CONTRACTOR SHALL SWEEP ALL STREETS, PERFORM GENERAL CLEANUP AND SHALL PERFORM MAINTENANCE ON ALL EXPOSED PATCHES.

CONTRACTOR SHALL SCHEDULE WORK AND MATERIAL DELIVERIES SO THAT STORED MATERIAL QUANTITIES ON THE JOB SITE SHALL BE MINIMIZED.

CONTRACTOR SHALL STORE ALL MATERIALS IN THE CONTRACTOR STAGING AREA 72 HOURS PRIOR TO INCORPORATING INTO THE WORK TO REDUCE OBSTRUCTIONS TO TRAFFIC AND INCONVENIENCE TO RESIDENTS.

GENERAL NOTES FOR RESIDENT RELATIONS (MANDATORY):

THE CONTRACTOR IS REQUIRED TO DEVELOP GOOD RELATIONS WITH THE RESIDENTS WHICH INCLUDE THE FOLLOWING MANDATORY MINIMUM REQUREMENTS:

- NO SPEEDING WITH EQUIPMENT AND/OR VEHICLES (25 MPH MAX.)
- DO NOT BLOCK DRIVEWAYS AT ANY TIME
- DO NOT LITTER AT ANY TIME
- DO NOT USE RESIDENT'S WATER WITHOUT THEIR PERMISSION (SIGNED AGREEMENT REQUIRED)
- ALL PLUMBING CODE REQUIREMENTS FOR BACK FLOW PREVENTION WILL BE ADHERED TO
- RESPOND TO RESIDENT'S COMPLAINTS WITHIN 24 HOURS
- DO NOT USE ABUSIVE LANGUAGE, PROFANITY OR CAT-CALLING
- WEAR PROPER PROTECTIVE CLOTHING (HARD HATS, PROPER SHOES, SHIRTS, ETC.) AT ALL TIMES.
- MAINTAIN PROPER SAFETY MEASURES, PARTICULARLY ALONG OPEN TRENCHES, PLACING CONES ON RAISED MANHOLES AND BACK FILLING OPEN TRENCHES IF CONSTRUCTION IS STOPPED AND THE OPEN TRENCH IS NOT MANNED.
- PERSONNEL MUST WEAR CITY APPROVED SAFETY VEST AT ALL TIMES WHILE WORKING IN THE CITY AND/OR NCDOT RIGHT-OF-WAY
- ALL TRAFFIC CONTROL FLAG PERSONSAND AT LEAST ONE PERSON ON EACH WORK CREW MUST BE FLUENT IN THE ENGLISH LANGUAGE

IF THE CONTRACTOR AND/OR SUBCONTRACTORS CANNOT ADQUATELY PERFORM AND/OR COMPLY WITH THESE REQUIREMENTS, THE INDIVIDUAL, SUBCONTRACTOR, OR EMPLOYEES MAY BE DIRECTED TO LEAVE THE PROJECT PERMANENTLY. INCONSIDERATE, NON-COOPERATIVE ATTITUDES AND ACTIONS WILL NOT BE TOLERATED.

UTILITIES:

UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. THE CITY OR ENGINEER WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION SHOWN.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITY OWNERS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD THE CITY HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY.

ADJUSTMENTS/RELOCATIONS WILL BE PERFORMED BY THE VARIOUS UTILITY OWNERS. THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITY OWNERS SO AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE. THE CITY WILL NOT BE HELD RESPONSIBLE FOR ANY DELAYS OR DISRUPTIONS TO THE WORK SCHEDULE OF OTHER UTILITY OWNERS.

- FOR UTILITY LOCATES CALL NORTH CAROLINA ONE-CALL @ 811.
- FOR LOCATES OF UTILITIES NOT MEMBERS OF NORTH CAROLINA ONE-CALL CONTACT PROJECT MANAGER OR UTILITY COORDINATOR.

THE CONTRACTOR SHALL ADJUST ALL WATER VALVES, WATER METER BOXES AND WATER VAULTS TO FINISHED GRADE. WATER METERS, MANHOLES, AND CLEANOUTS LOCATED IN SIDEWALKS OR CONCRETE DRIVEWAYS SHALL BE INSTALLED IN ACCORDANCE WITH PWC REQUIREMENTS. NO ABOVE GROUND UTILITY BOXES, POWER POLE, OR OTHER STRUCTURES ARE TO BE LOCATED WITHIN THE SIDEWALK AREA. THE SIDEWALK AREA IS TO BE FREE OF OBSTACLES.

PRIOR TO COMMENCEMENT OF ANY WORK WITHIN EASEMENTS OR RIGHT-OF-WAYS, THE CONTRACTOR IS REQUIRED TO NOTIFY CONCERNED UTILITY COMPANIES IN ACCORDANCE TO GS 87-102. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. NO SEPARATE PAYMENT. EXISTING UTILITIES SHOWN ARE TAKEN FROM MAPS FURNISHED BY VARIOUS UTILITY COMPANIES AND HAVE NOT BEEN PHYSICALLY LOCATED (i.e. GAS, FIBER OPTIC, ETC.).

THE CONTRACTOR SHALL DIG UP EACH UTILITY WHICH MAY CONFLICT WITH CONSTRUCTION 14 DAYS IN ADVANCE TO VERIFY LOCATIONS (HORIZONTALLY AND VERTICALLY) TO ALLOW THE ENGINEER AN OPPORTUNITY TO ADJUST THE DESIGN TO AVOID CONFLICTS (NO SEPARATE PAYMENT).

STORM DRAINAGE REPAIRS BY CONTRACTOR DUE TO CONSTRUCTION DAMAGE AND JOINTS EXPOSED DURING CONSTRUCTION SHALL BE INSPECTED BY THE OWNER PRIOR TO BACKFILLING.

MAIL BOXES:

THE CONTRACTOR SHALL RELOCATE ALL MAIL BOXES AS REQUIRED BY SECTION 107-12 OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. COORDINATE THIS WORK WITH THE U.S. POSTAL SERVICE.

TREES, SHRUBS, AND HEDGES:

ALL TREES THAT ARE TO REMAIN ARE TO BE PROTECTED WITH TREE PROTECTION BARRIERS ACCEPTABLE TO THE CITY ARBORIST OR LANDSCAPE ARCHITECT. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY ARBORIST OR LANDSCAPE ARCHITECT PRIOR TO ROOT PRUNING. WHEN ROOT PRUNING IS ABSOLUTELY NECESSARY, CUT ROOTS CLEANLY USING A DISC TRENCHER OR OTHER APPROVED METHOD.

CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO REMOVING ANY TREES. ALL TREES LOCATED WITHIN THE LOT THAT ARE TO REMAIN AFTER CONSTRUCTION SHALL BE INSPECTED BY THE CITY TO VERIFY THEY ARE SUITABLE TO REMAIN.

GRADING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BORROW MATERIAL REQUIRED TO CONSTRUCT PROJECT AS SHOWN ON THE CONTRACT DOCUMENTS.

ALL EXCAVATED MATERIALS THAT ARE NOT REQUIRED OR ARE UNSUITABLE FOR THE PROJECT SHALL BE CONSIDERED WASTE AND SHALL BE HAULED OFF SITE AND DISPOSED IN A SAFE AND LEGAL MANNER AT THE CONTRACTOR'S EXPENSE.

EROSION CONTROL:

CONTRACTOR SHALL NOT DISTURB ANY AREAS OUTSIDE OF THE DESIGNATED EASEMENT AREAS.

THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WIH THE APPROPRIATE CITY AND STATE EROSION AND SEDIMENT CONTROL ORDINANCES. THE CONTRACTOR SHALL PREVENT STANDING WATER DUE TO CONSTRUCTION.

SAWCUTS:

THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT AND/OR CONCRETE SURFACES PRIOR TO REMOVAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SAW CUT WIDTH SHALL BE 1 FOOT MINIMUM FOR THE EXISTING EDGE OF PAVEMENT. SAWCUT PAVEMENT SHALL BE REPLACED AS WELL AS ADDITIONAL PAVEMENT REQUIRED TO TIE-IN TO FACE OF PROPOSED CURB OR GUTTER.

STORM DRAINAGE STRUCTURE, PIPE & GRADING NOTES:

PIPE INVERT ELEVATIONS HAVE PRECEDENCE OVER SLOPES. HOWEVER, SLOPES SHALL NOT BE DECREASED FROM THOSE SHOWN ON PLAN WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

ALL STORM DRAINAGE PIPE TO BE CLASS III REINFORCED CONCRETE UNLESS OTHERWISE NOTED. PIPE LENGTHS INDICATED ON PLAN ARE APPROXIMATE ONLY.

NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, TRENCHING, OR OTHER LAND DISTURBING ACTIVITY SHALL BE PERMITTED BEYOND LIMITS OF GRADING WITHOUT PRIOR APPROVAL FROM THE OWNER AND CITY ENGINEERING DEPT.

THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE CITY OF FAYETTEVILLE ANY DISCREPANCIES FOUND BETWEEN ACTUAL CONDITION AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION FROM THE CITY INSPECTOR PRIOR TO PROCEEDING.

MANHOLE RIM ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE. NEW MANHOLE RING AND COVERS SHALL BE INSTALLED FLUSH WITH THE SURROUNDING GRADE SO AS TO AVOID DAMAGE TO MOTOR VEHICLES DURING CONSTRUCTION. THEY ARE TO BE ADJUSTED TO MATCH THE SURROUNDING PROPOSED GRADE PRIOR TO PLACING THE NEW SURFACE COURSE.

THE CONTRACTOR SHALL DESIGN, FURNISH, AND INSTALL ANY TRENCH STABILIZATION NECESSARY TO MAINTAIN EXCAVATION FOR PIPE AND DRAINAGE STRUCTURE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND REMOVAL OF ANY TRENCH STABILIZATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT STRUCTURES RESULTING FROM THE INSTALLATION, REMOVAL OR ABSENCE OF TRENCH STABILIZATION.

GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE, AS DIRECTED BY THE ENGINEER. THEY MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN CONDITIONS. ALL PROPOSED GRADES ARE FINISH GRADES.

THE CONTRACTOR SHALL BACKFILL OPEN EXCAVATIONS AT THE END OF EACH WORKING DAY. AT DRAINAGE STRUCTURE LOCATIONS, THE EXCAVATION SHALL BE COVERED WITH METAL PLATES WHEN PRACTICAL OR COMPLETEY ENCLOSED WITH SAFETY NETTING.

STOCKPILING NOTE:

ANY ONSITE STOCKPILING IS TO BE COORDINATED AND APPROVED BY A CITY INSPECTOR. THE STOCKPILE WILL BE PROVIDED WITH GROUND COVER WITHIN 15 WORKING DAYS OF PROJECT COMPLETION.

EXCESS SUITABLE SOIL EXCAVATED DURING CONSTRUCTION SHALL BE STOCKPILED FOR USE ON THE PROJECT OR DISPOSED OF OFF-SITE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOT BE ALLOWED TO STOCKPILE MATERIALS OR EXCESS MATERIALS IN THE STREET RIGHT-OF-WAYS AT ANY TIME UNLESS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A SUFFICIENT AND SUITABLE STOCKPILE AREA AND LOCATION AT THE CONTRACTOR'S EXPENSE.

ORDER OF PRECEDENCE GENERAL NOTES/TECHNICAL SPECIFICATIONS/PHOTOS:

THE NOTES CONTAINED HEREIN ARE INTENDED TO SUPPLEMENT THE TECHNICAL SPECIFICATIONS AND PROVIDE EASY REFERENCE FOR THE CONTRACTOR. IN NO CASE SHALL THESE NOTES VOID ANY PART, SECTION OR REQUIREMENT OUTLINED IN THE TECHNICAL SPECIFICATIONS CONTAINED IN THE CONTRACT DOCUMENTS. IF CONFLICTS OCCUR BETWEEN THE TECHNICAL SPECIFICATIONS AND THE NOTES CONTAINED HEREIN, THE TECHNICAL SPECIFICATIONS SHALL SUPERSEDE.

NCDOT ENCROACHMENT SPECIAL PROVISIONS:

CONTRACTOR TO NOTIFY COUNTY MAINTENANCE ENGINEER, (910) 364-0602, A MINIMUM OF THREE (3) DAYS BEFORE CONSTRUCTION IS TO BEGIN.

AN EXECUTED COPY OF THE ENCROACHMENT AGREEMENT SHALL BE PRESENT AT THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RESERVES THE RIGHT TO STOP ALL WORK UNLESS EVIDENCE OF APPROVAL CAN BE SHOWN.

SEE THE ENCROACHMENT AGREEMENT FOR A FULL LIST OF SPECIAL PROVISIONS.

TRAFFIC CONTROL

CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS FOR WORK ZONE TRAFFIC CONTROL TO CITY TRAFFIC SERVICES DEPARTMENT (910-433-1660) FOR CITY STREETS AND DIVISION 6, DISTRICT 2 (910-364-0601) FOR NCDOT STREETS. CONTRACTOR SHALL NOT PLACE ANY TRAFFIC CONTROL DEVICES WITHOUT HAVING APPROVAL FROM APPLICABLE TRANSPORTATION DEPARTMENT EITHER NCDOT OR THE CITY OF FAYETTEVILLE.

CONTRACTOR SHALL INSURE ACCESS TO ALL PROPERTIES BY PROPERTY OWNERS AT ALL TIMES.

CONTRACTOR SHALL NOTIFY CITY ENGINEERING OFFICE ONE WEEK IN ADVANCE OF ANY ROAD CLOSING AND COORDINATE ALL ROAD CLOSINGS/UTILITY INTERRUPTIONS WITH PROPERTY OWNERS AFFECTED 48 HOURS PRIOR TO CLOSING/INTERRUPTING SERVICES.

MINIMUM ONE WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS ROAD CLOSURE IS APPROVED BY CITY OF FAYETTEVILLE TRAFFIC SERVICES DEPARTMENT IN WRITING, 5 DAYS IN ADVANCE OF ROAD CLOSURE. AN APPROVED DETOUR PLAN PREPARED BY THE CONTRACTOR SHALL BE REQUIRED AND THE MEASURES INSTALLED PRIOR TO CLOSURE.

CONTRACTOR SHALL COORDINATE/NOTIFY TRAFFIC SERVICES DAILY (BEFORE 2:00 P.M.) AS TO WHICH STREETS WILL BE UNDER CONSTRUCTION IMPEDING TRAFFIC FLOW THE FOLLOWING DAY.

THE CONTRACTOR SHALL NOT IMPEDE TRAFFIC AT ANY TIME UNTIL THE APPROVED TRAFFIC CONTROL DEVICES ARE IN PLACE.

ALL TRAFFIC CONTROL MEASURES, DEVICES, INSTALLATION, METHODS, SEQUENCING AND PLANS SHALL BE IN STRICT ACCORDANCE WITH MUTCD, NCDOT, AND CITY OF FAYETTEVILLE TRAFFIC SERVICES.

SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: GEN. NOTES

SHEET NUMBER 3 of 11

RKK
RKK ENGINEERING, PLLC
6021 Ski Club Road, Room 1 Suite 700
Fayetteville, North Carolina 28303
NC License No. C-4313
Engineers | Construction Managers | Planners | Scientists
Nationwide | North Carolina | Alabama
Responsible People | Creative Solutions

FAYETTEVILLE NC
AMERICA'S CAN DO CITY
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN B. SEALS
Erin Seals
DATE:
NAME:

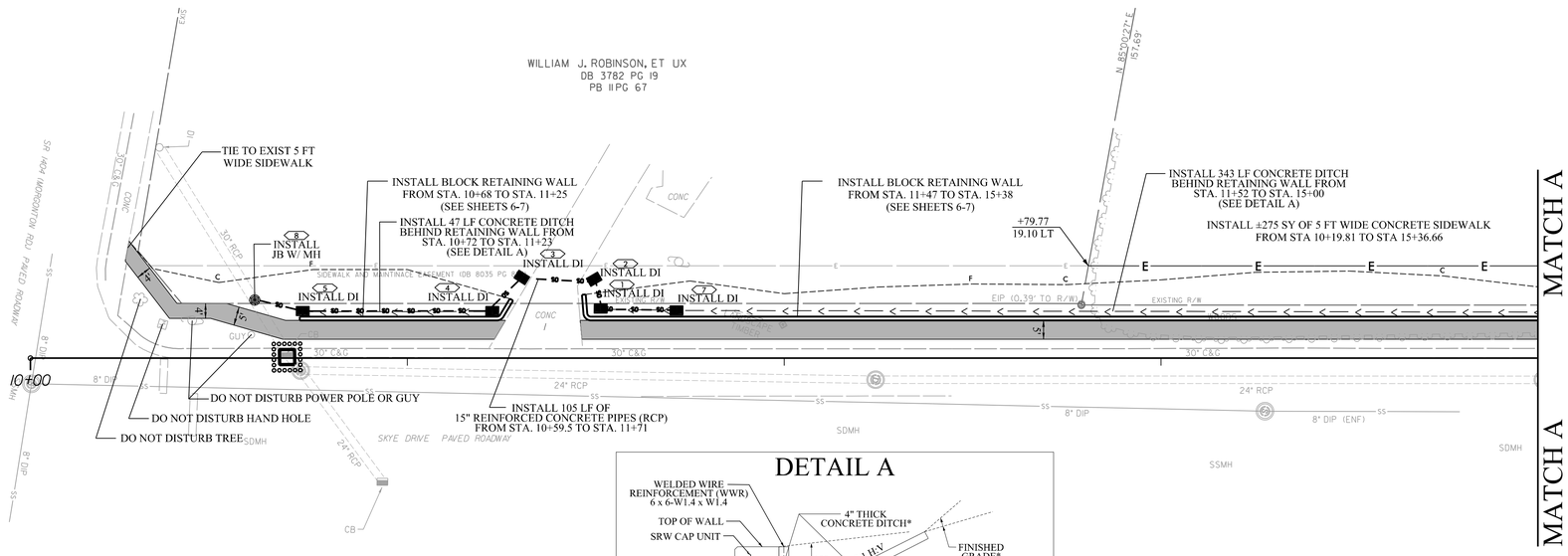
REVISIONS

REV. #	DESCRIPTION	REV. BY	DATE

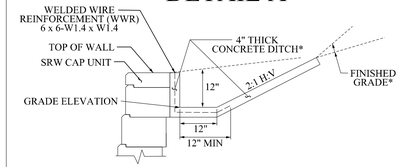
DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH-PE
APPROVED : JEFF MEADOR, PE

PROJECT : FAYETTEVILLE SIDEWALK IMPROVEMENTS
NAME :
SCALE :
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #



DETAIL A



CONCRETE DITCH BEHIND WALL

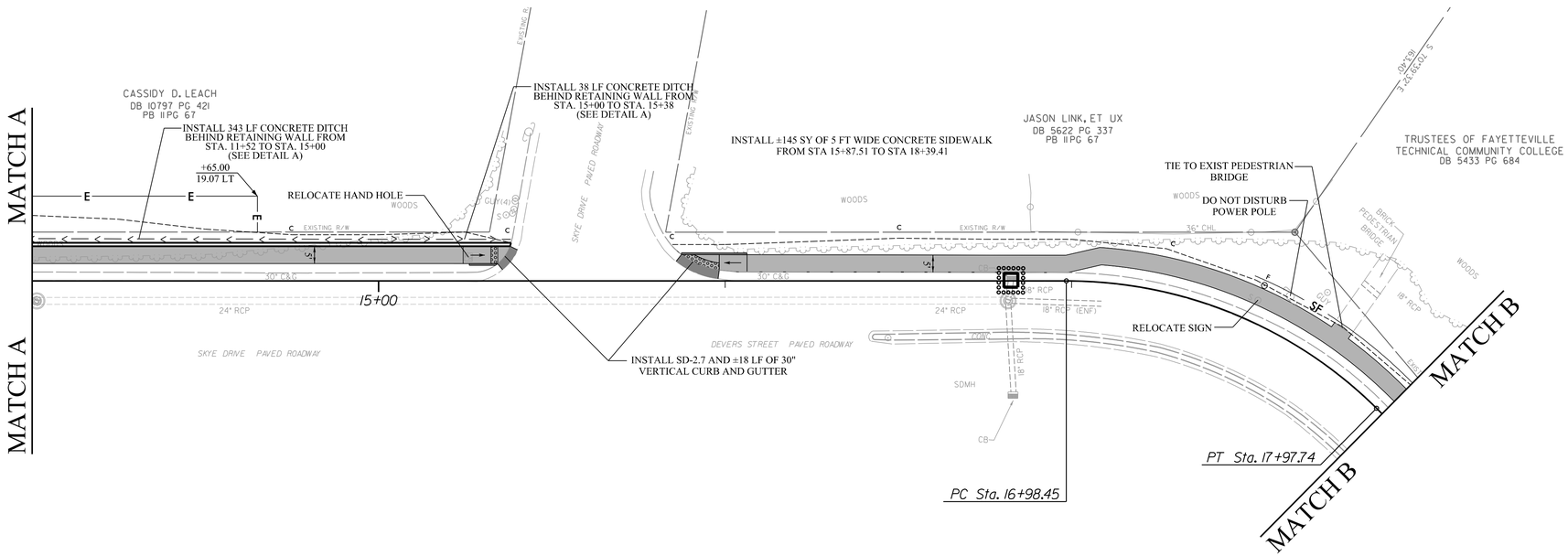
*SEE ROADWAY PLANS FOR CONCRETE DITCH AND FINISHED GRADE DETAILS.
**SEE WALL ENVELOPE FOR GRADE ELEVATIONS.

FOR CONCRETE DITCHES, SEE SECTION 850 OF THE STANDARD SPECIFICATIONS.

TEMPORARY INLET PROTECTION SEE DETAIL ON SHEET 9

20 0 20 40

1 INCH = 20 FT



TEMPORARY INLET PROTECTION SEE DETAIL ON SHEET 9

20 0 20 40

1 INCH = 20 FT

STORM DRAINAGE DESIGN

SIDEWALK DESIGN

REVISIONS

REV. #	DESCRIPTION	REV. BY	DATE

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH, PE
APPROVED : JEFF MEADOR, PE

PROJECT : FAYETTEVILLE SIDEWALK IMPROVEMENTS
NAME :
SCALE : 1"=20'
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #

SKYE DRIVE SIDEWALK IMPROVEMENTS

PLAN TYPE: PLAN

SHEET NUMBER 4 of 11

RK&K
2000 Regency Parkway, Suite 230, Cary, NC 27518
(919) 678-0035 FAX (919) 678-0036
NC License No. C-2412
Engineers | Construction Managers | Planners | Scientists
Reinforced Concrete Solutions

FAYETTEVILLE NC
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
AMERICA'S CAN DO CITY
433 HAY STREET FAYETTEVILLE, NC 28301

SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: PLAN

SHEET NUMBER: 5 of 11

TRUSTEES OF FAYETTEVILLE
TECHNICAL COMMUNITY COLLEGE
DB 5433 PG 684

MATCH C

MATCH B

INSTALL SD-2.8 AND ±10 LF OF 30" VERTICAL CURB AND GUTTER

+03.81
17.03 LT

+03.81
14.03 LT

+94.45
12.07 LT

+29.99
14.31 LT

10+00

DO NOT DISTURB LIGHT POLE

POT Sta. 10+13.69

POT Sta. 18+88.31

INSTALL SD-2.7 AND ±22 LF OF 30" VERTICAL CURB AND GUTTER

DO NOT DISTURB POWER POLE

+06.71
14.03 LT

DEVERS STREET PAVED ROADWAY

INSTALL ±427 SY OF 5 FT WIDE CONCRETE SIDEWALK FROM STA 10+05.32 TO STA 17+83.16

RELOCATE SIGN

DO NOT DISTURB LIGHT POLE OR HAND HOLE

PC Sta. 13+29.49

DO NOT DISTURB LIGHT POLE OR HAND HOLE

REMOVE ±44 LF DRIVEWAY APRON AND INSTALL ±44 LF 30" CURB AND GUTTER

15+00

TEMPORARY
INLET PROTECTION
SEE DETAIL ON SHEET 9

20 0 20 40
1 INCH = 20 FT

TRUSTEES OF FAYETTEVILLE
TECHNICAL COMMUNITY COLLEGE
DB 5433 PG 684

DO NOT DISTURB CROSS WALK SIGNAL OR HAND HOLES

DO NOT DISTURB CROSS WALK SIGNAL

DO NOT DISTURB HEDGE

DO NOT DISTURB LIGHT POLE

TIE TO EXIST 5 FT WIDE SIDEWALK

DO NOT DISTURB BRICK WALL

DO NOT DISTURB ROSE GARDEN

TIE CURB AND GUTTER TO EXIST DROP INLET

RELOCATE SIGN

PEDESTAL RELOCATION BY OTHERS

INSTALL ±30 LF HEADER CURB

INSTALL ±115 SY OF VARIABLE WIDTH CONCRETE SIDEWALK FROM STA 18+19.55 TO STA 20+33.00

INSTALL ADA-COMPLIANT BLENDED TRANSITION AND ±40 LF OF 30" VERTICAL CURB AND GUTTER

POT Sta. 20+50.42

RELOCATE SIGN AND HAND HOLE

DO NOT DISTURB POLE

INSTALL ADA-COMPLIANT BLENDED TRANSITION AND ±36 LF OF 30" VERTICAL CURB AND GUTTER

INSTALL SD-2.7

PT Sta. 18+62.58

20+00

TEMPORARY
INLET PROTECTION
SEE DETAIL ON SHEET 9

20 0 20 40
1 INCH = 20 FT

RKK
RKK ENGINEERING, LLC
2000 W. First Street, Suite 700
Winston-Salem, NC 27104
NC License No. C-2312
Engineers | Construction Managers | Planners | Scientists
Renaissance Parallel Colombo Solutions

FAYETTEVILLE
ENGINEERING DIVISION
AMERICA'S CAN DO CITY
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN B. SEALS
Erin Seals
DATE:

REVISIONS

REV. #	DESCRIPTION	REV. BY	DATE

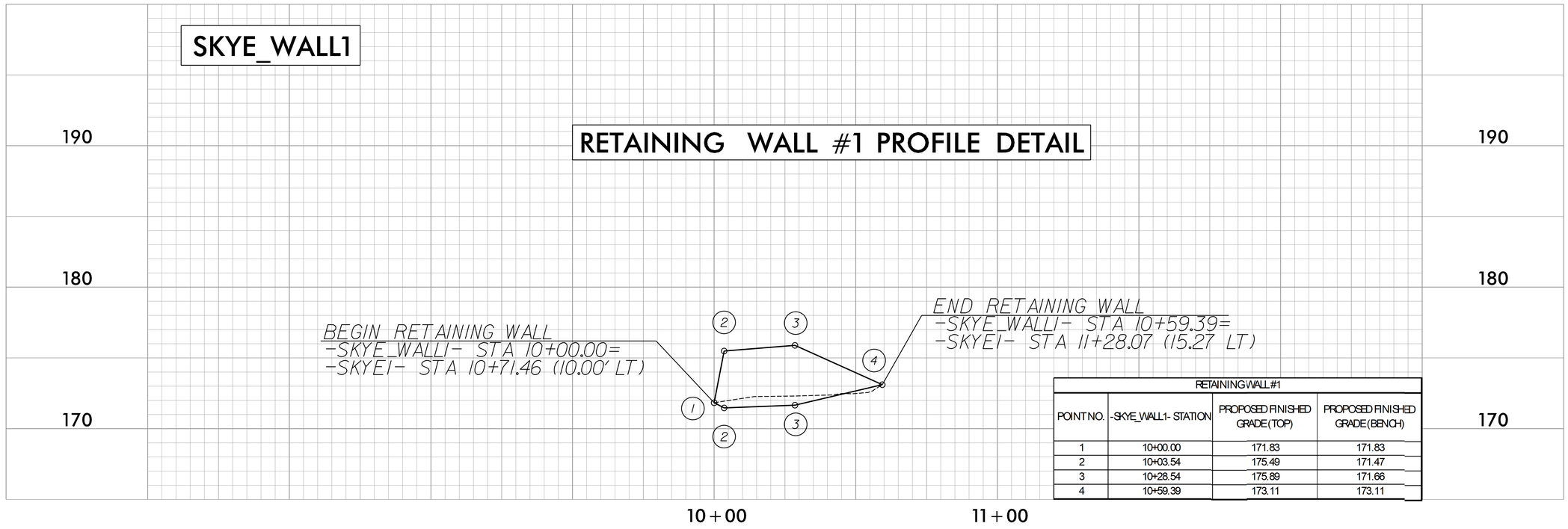
DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH,PE
APPROVED : JEFF MEADOR, PE

PROJECT : FAYETTEVILLE SIDEWALK IMPROVEMENTS
NAME :
SCALE : 1"= 20'
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #

SKYE_WALL1

RETAINING WALL #1 PROFILE DETAIL

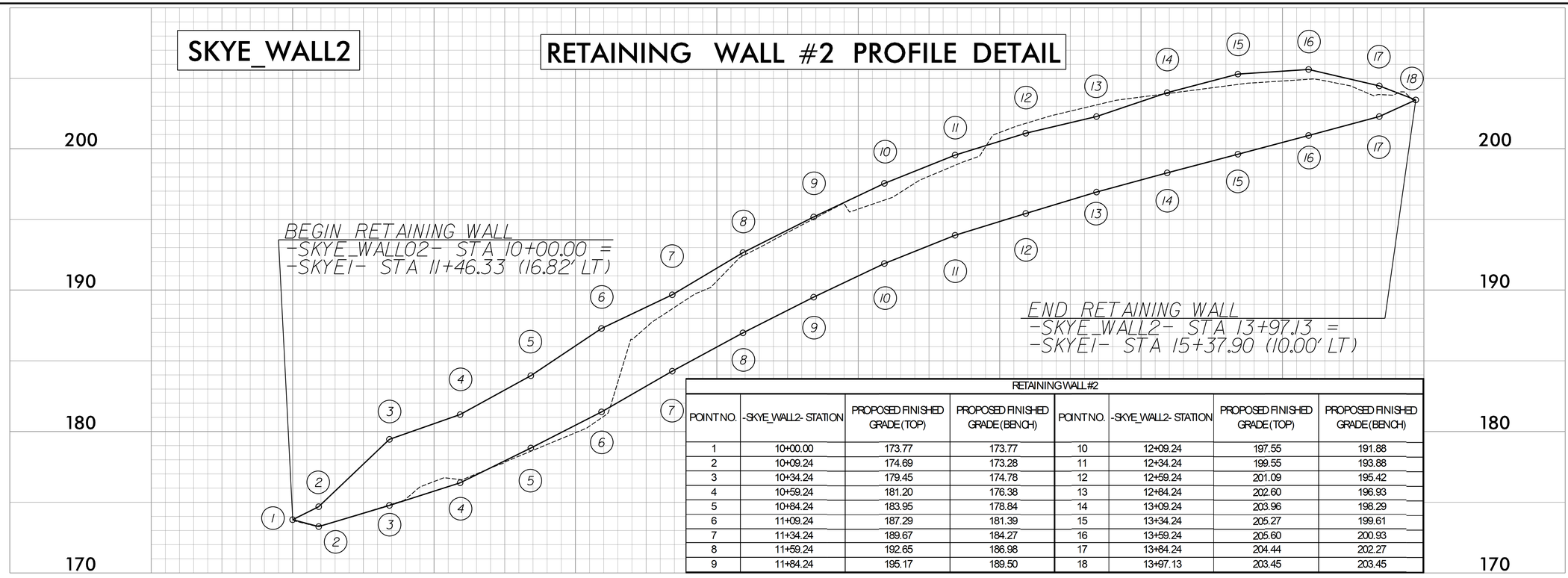


RETAINING WALL #1			
POINT NO.	-SKYE_WALL1- STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED FINISHED GRADE (BENCH)
1	10+00.00	171.83	171.83
2	10+03.54	175.49	171.47
3	10+28.54	175.89	171.66
4	10+59.39	173.11	173.11

20 0 20 40
5 0 5 10
1 INCH = 20 FT HORIZ
1 INCH = 5 FT VERT

SKYE_WALL2

RETAINING WALL #2 PROFILE DETAIL



RETAINING WALL #2							
POINT NO.	-SKYE_WALL2- STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED FINISHED GRADE (BENCH)	POINT NO.	-SKYE_WALL2- STATION	PROPOSED FINISHED GRADE (TOP)	PROPOSED FINISHED GRADE (BENCH)
1	10+00.00	173.77	173.77	10	12+09.24	197.55	191.88
2	10+09.24	174.69	173.28	11	12+34.24	199.55	193.88
3	10+34.24	179.45	174.78	12	12+59.24	201.09	195.42
4	10+59.24	181.20	176.38	13	12+84.24	202.60	196.93
5	10+84.24	183.95	178.84	14	13+09.24	203.96	198.29
6	11+09.24	187.29	181.39	15	13+34.24	205.27	199.61
7	11+34.24	189.67	184.27	16	13+59.24	205.60	200.93
8	11+59.24	192.65	186.98	17	13+84.24	204.44	202.27
9	11+84.24	195.17	189.50	18	13+97.13	203.45	203.45

SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: RETAINING WALLS
SHEET NUMBER: 6 of 11

RK&K
2000 Regency Parkway, Suite 600, Cary, NC 27518
6021 Ellis Road, Room 1, Suite 700, Melbourne, FL 32935
North Carolina Firm No. C-2412
Engineers | Construction Managers | Planners | Scientists
www.rkk.com
Passionate People | Creative Solutions

FAYETTEVILLE NC
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301
AMERICA'S CAN DO CITY

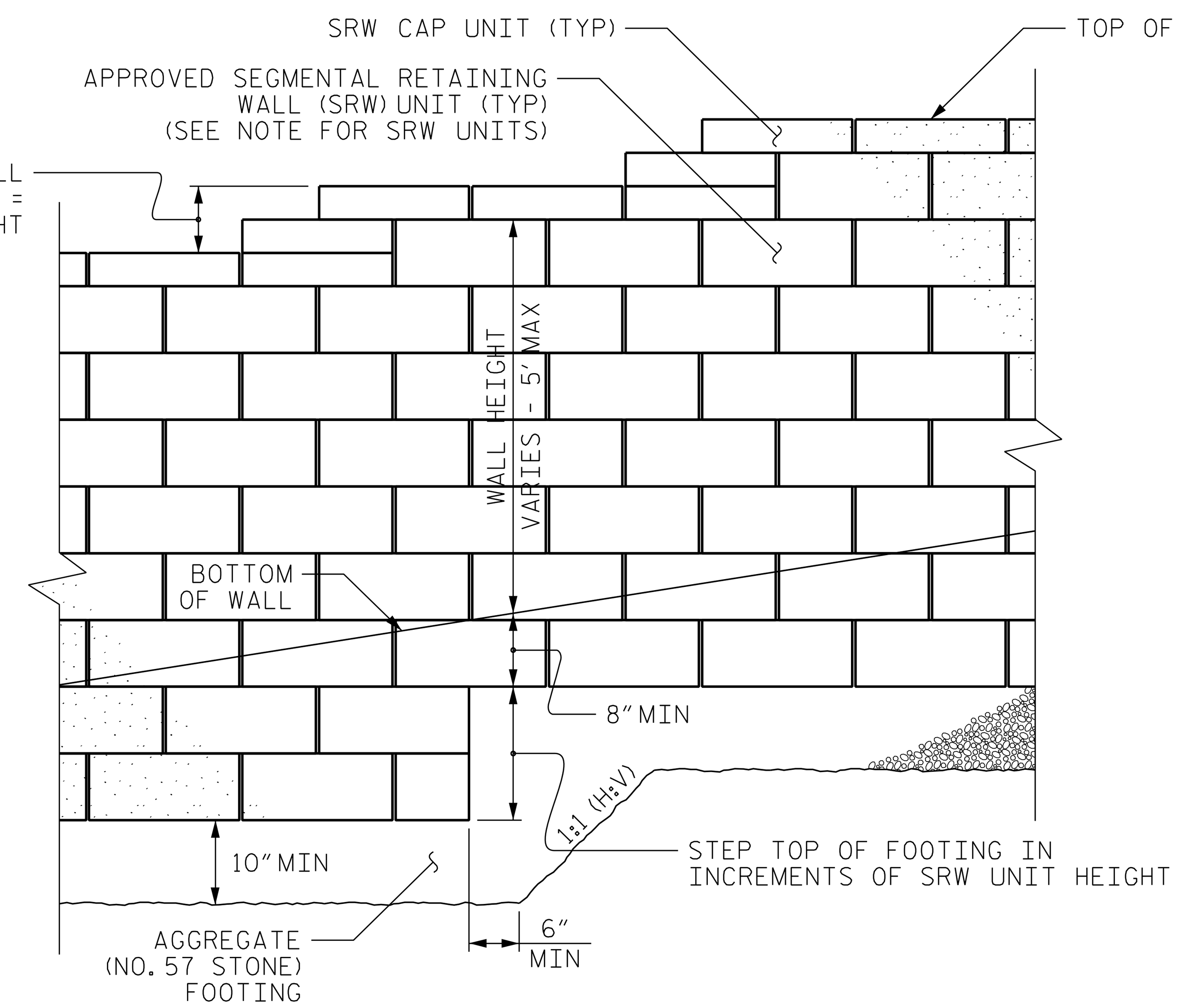
NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN B. SEALS
Erin Seals
DATE:

REVISIONS
REV. #
DESCRIPTION
REV.BY
DATE

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH,PE
APPROVED : JEFF MEADOR, PE

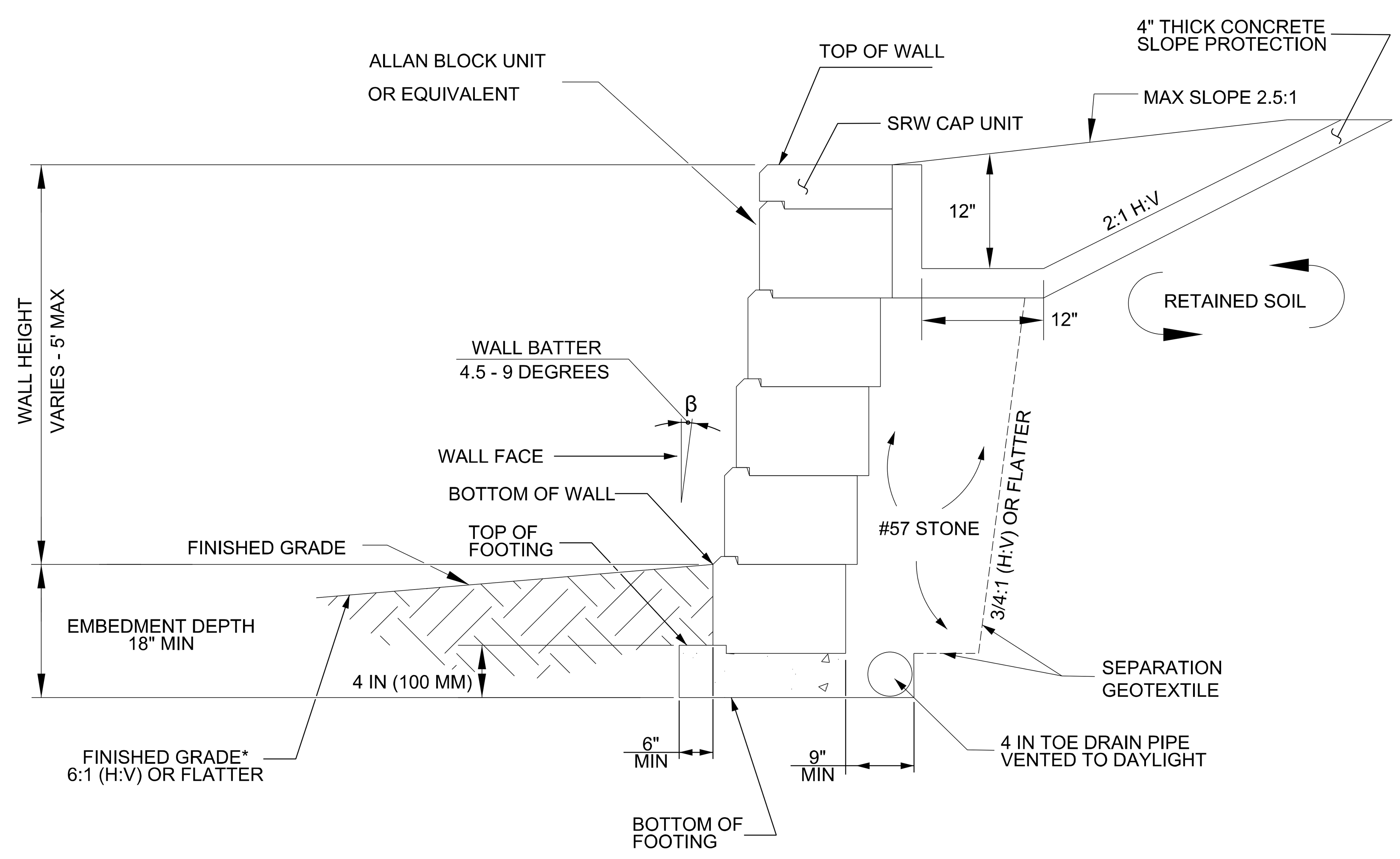
PROJECT NAME : FAYETTEVILLE SIDEWALK IMPROVEMENTS
SCALE : 1"=20'
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #



SEGMENTAL GRAVITY WALL - PARTIAL ELEVATION

REFER TO DESIGN DETAILS: ALLAN BLOCK TYPICAL REINFORCED WALL APPLICATION FOR ALL OTHER NOTES, DETAILS AND SPECIFICATIONS.



TYPICAL DETAIL OF SEGMENTAL GRAVITY RETAINING WALL - SKYE DRIVE

NOTES:

1. THE SEGMENTAL GRAVITY RETAINING WALL IS BASED ON THE FOLLOWING ASSUMED SOIL PARAMETERS:
   - TOTAL UNIT WEIGHT = 120 PCF, - COHESION = 0 PSF, - FRICTION ANGLE = 35 DEGREES IF GROUNDWATER IS WITHIN 5 FT OF THE BOTTOM OF THE FOOTING, 30 DEGREES IF GROUNDWATER IS MORE THAN 5 FT BELOW THE BOTTOM OF THE FOOTING.
2. DO NOT USE THE SEGMENTAL GRAVITY RETAINING WALL IF THE ASSUMED SOIL PARAMETERS ARE NOT APPLICABLE OR IF GROUNDWATER IS PRESENT ABOVE THE BOTTOM OF THE FOOTING.
3. DO NOT USE THE SEGMENTAL GRAVITY RETAINING WALL WHEN VERY LOOSE, SOFT OR UNSUITABLE SOIL CONDITIONS ARE PRESENT BELOW THE WALL.
4. CONSTRUCT SEGMENTAL GRAVITY RETAINING WALLS OF ALLAN BLOCKS OR EQUIVALENT AS SHOW IN TYPICAL SECTION.
5. EXCAVATE AS NECESSARY FOR SEGMENTAL GRAVITY RETAINING WALLS. NOTIFY THE ENGINEER WHEN FOUNDATION EXCAVATION IS COMPLETE. DO NOT PLACE ANY #57 STONE UNTIL OBTAINING APPROVAL OF THE EXCAVATION MATERIALS IS FOUND TO BE UNACCEPTABLE, UNDERCUT THE FOUNDATION MATERIAL AND BACKFILL WITH AN APPROVED SELECT MATERIAL AS DIRECTED BY THE ENGINEER.
6. IF THE GRADE BEHIND THE WALL SLOPES TOWARD THE WALL, SEAL THE JOINT BETWEEN THE WALL AND THE ASPHALT OR CONCRETE WITH JOINT SEALER. IF A CONCRETE DITCH IS REQUIRED BEHIND THE WALL, SEAL JOINT BETWEEN THE SRW CAP UNIT AND THE CONCRETE DITCH.
7. FIELD DETERMINE EXACT LOCATION, QUANTITIES, BOTTOM OF FOOTING ELEVATION AND WALL HEIGHT WITH THE ENGINEER.
8. SEGMENTAL GRAVITY RETAINING WALLS WILL BE MEASURED AND PAID FOR AS THE ACTUAL NUMBER OF LINEARFEET OF EXPOSED FACE AREA INCORPORATED INTO THE COMPLETED AND ACCEPTED WALL. THE WALL HEIGHT IS MEASURED AS THE DIFFERENCE BETWEEN THE TOP AND BOTTOM OF THE WALL. THE BOTTOM OF THE WALL IS DEFINED AS THE POINT WHERE THE FINISHED GRADE INTERSECTS THE FRONT OF THE WALL. THE TOP OF THE WALL IS DEFINED AS THE TOP ELEVATION OF THE COMPLETED WALL.
   THE PRICE AND PAYMENT WILL BE FULL COMPENSATION FOR ALL ITEMS REQUIRED TO PROVIDE SEGMENTAL GRAVITY RETAINING WALLS.
9. A DRAIN PIPE IS REQUIRED IF GROUNDWATER IS ABOVE BOTTOM OF FOOTINGS.
10. FOR SEGMENTAL GRAVITY RETAINING WALLS, SEE SECTION 454 OF THE STANDARD SPECIFICATIONS.
11. BEFORE BEGINNING SEGMENTAL GRAVITY WALL DESIGN , SURVEY WALL LOCATION AND SUBMIT A REVISED WALL PROFILE VIEW (WALL ENVELOPE) FOR REVIEW. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED.
12. DESIGN SEGMENTAL GRAVITY RETAINING WALL FOR DESIGN HEIGHTS EQUAL TO THE WALL HEIGHT PLUS DEPTH TO TOP OF FOOTING (DIFFERENCE BETWEEN GRADE ELEVATION AND TOP OF FOOTING ELEVATION).
13. WALL DESIGNER SHALL PROVIDE COMPUTATIONS WHERE WALL HEIGHT EXCEEDS 5 FEET.
14. DESIGN SEGMENTAL GRAVITY RETAINING WALL FOR THE FOLLOWING:
    1) MINIMUM WALL EMBEDMENT ELEVATION = 1.5 FT
    2) IN-SITU ASSUMED MATERIAL PARAMETERS:

MATERIAL TYPE	UNIT WEIGHT (γ) PCF	FRICTION ANGLE (ϕ) DEGREES	COHESION (c) PSF
RETAINED	120	29	0
FOUNDATION	115	28	0

SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: RETAINING WALLS

SHEET NUMBER 7 of 11

RK&K
P: (919) 878-9560
8601 Six Forks Road, Forum 1,Suite 700
Raleigh, North Carolina 27615-3960
NC License No. F-0112
www.rkk.com
Engineers | Construction Managers | Planners | Scientists
Responsive People | Creative Solutions

FAYETTEVILLE N.C.
AMERICA'S CAN DO CITY
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301

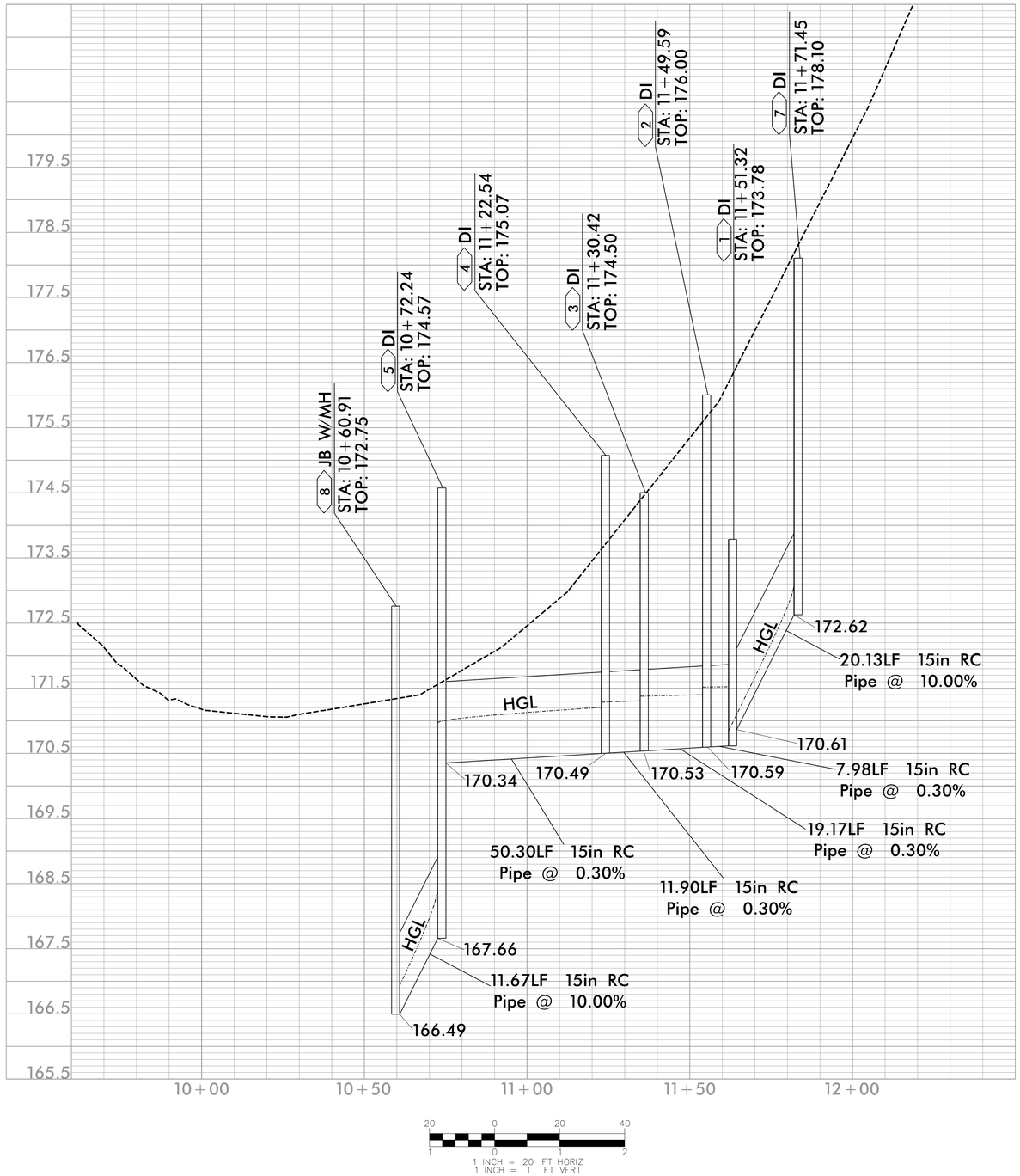
NORTH CAROLINA PROFESSIONAL SEAL 043747 ENGINEER ATEFEH ASOUDEH
Atefeh Asoudeh
NAME:
DATE:

REVISIONS

REV. #	DESCRIPTION	REV.BY DATE

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH,PE
APPROVED : JEFF MEADOR, PE
PROJECT NAME : FAYETTEVILLE SIDEWALK IMPROVEMENTS
SCALE :
DATE : 2/25/2025

PROJECT NO.____ PROJECT #
SUB-LEDGER NO.____ SUB-LEDGER #



Drainage Structure Sizing

Structure #	Pipe D (in.)	Span (ft)	Width (ft)	Height (ft)
1	15	3	2	3.17
2	15	3	2	5.41
3	15	3	2	3.97
4	15	3	2	4.58
5	15	3	2	6.91
7	15	3	2	5.48
8	15	2	2	6.26

DRAINAGE DETAIL
SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: DRAINAGE DETAIL
SHEET NUMBER: 8 of 11

RKK
RKK ENGINEERING, LLC
6001 Ste Fork Road, Forum 7 Suite 700
Kansas City, MO 64131 (816) 333-8787
NC License No. C-4312
Engineers | Construction Managers | Planners | Scientists
www.rkk.com
Responsive People | Creative Solutions

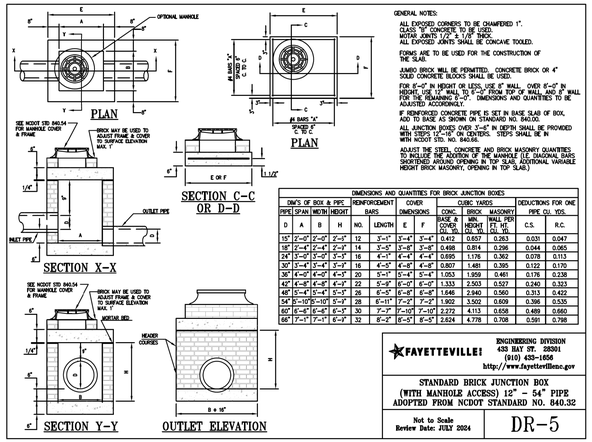
FAYETTEVILLE
AMERICA'S CAN DO CITY
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 057905 JAMES T. RANDALL
SEAL
Jim Randall, PE
DATE:

REVISIONS
REV. #
DESCRIPTION
REV. BY
DATE

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH, PE
APPROVED : JEFF MEADOR, PE
PROJECT NAME : FAYETTEVILLE SIDEWALK IMPROVEMENTS
SCALE : 1"=20'
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #



GENERAL NOTES:

ALL EXPOSED CORNERS TO BE CHAMFERED 1".
CLASS "B" CONCRETE TO BE USED.
CLASS "A" CONCRETE TO BE USED.
ALL EXPOSED JOINTS SHALL BE CONCAVE TOOLED.

FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE SLAB.

JUMBO BRICK WILL BE PERMITTED. CONCRETE BRICK OR 4" SOLID CONCRETE BLOCKS SHALL BE USED.

FOR 6'-0" IN HEIGHT OR LESS, USE 8" WALL. OVER 6'-0" IN HEIGHT, USE 12" WALL TO 6'-0" FROM TOP OF WALL AND 8" FOR THE REMAINING 6'-0". DIMENSIONS AND QUANTITIES TO BE ADJUSTED ACCORDINGLY.

IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD TO BASE AS SHOWN ON STANDARD NO. 840.00.

ALL JUNCTION BOXES OVER 3'-6" IN DEPTH SHALL BE PROVIDED WITH STEPS 12"+/- ON CENTERS. STEPS SHALL BE IN WITH NCDOT STD. NO. 840.66.

ADJUST THE STEEL, CONCRETE AND BRICK MASONRY QUANTITIES SHOWN IN THE TABLE FOR THE ADDITIONAL REINFORCED BARS TO BE EXTENDED AND/OR BENT IN THE SLAB. (OPTIONAL VARIABLE HEIGHT BRICK MASONRY OPENING IN TOP SLAB.)

DIMENSIONS AND QUANTITIES FOR BRICK JUNCTION BOXES

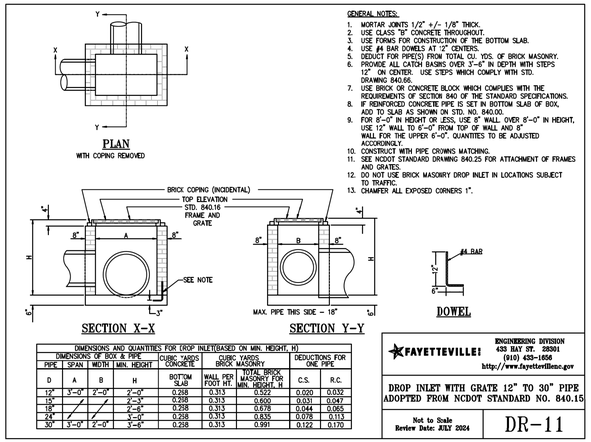
DIM'S OF BOX & PIPE				REINFORCEMENT BARS		COVER DIMENSIONS		CUBIC YARDS CONC BASE & TOP SLAB, CU. YD.	BRICK WALL HEIGHT CU. YD.	MASONRY WALL PER 1'-0" CU. YD.	DEDUCTIONS FOR ONE PIPE CU. YDS.	
PIPE	SPAN	WIDTH	HEIGHT	NO.	LENGTH	E	F				C.S.	R.C.
D	A	B	H									
15"	2'-0"	2'-0"	2'-0"	12	3'-1"	3'-4"	3'-4"	0.412	0.657	0.263	0.031	0.047
18"	2'-4"	2'-4"	2'-3"	14	3'-5"	3'-8"	3'-8"	0.498	0.814	0.298	0.044	0.065
24"	3'-0"	3'-0"	3'-3"	16	4'-1"	4'-4"	4'-4"	0.695	1.176	0.362	0.078	0.113
30"	3'-4"	3'-4"	3'-9"	16	4'-5"	4'-8"	4'-8"	0.807	1.481	0.395	0.122	0.170
36"	4'-0"	4'-0"	4'-3"	20	5'-1"	5'-4"	5'-4"	1.053	1.959	0.461	0.176	0.238
42"	4'-8"	4'-8"	4'-9"	22	5'-9"	6'-0"	6'-0"	1.333	2.503	0.527	0.240	0.323
48"	5'-4"	5'-4"	5'-3"	26	6'-5"	6'-8"	6'-8"	1.646	2.940	0.560	0.313	0.422
54"	5'-10"*	5'-10"*	5'-9"	28	6'-11"	7'-2"	7'-2"	1.902	3.502	0.609	0.386	0.535
60"	6'-4"	6'-4"	6'-3"	30	7'-7"	7'-10"	7'-10"	2.272	4.113	0.658	0.489	0.660
66"	7'-1"	7'-1"	6'-9"	32	8'-2"	8'-5"	8'-5"	2.624	4.778	0.708	0.591	0.798

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

STANDARD BRICK JUNCTION BOX
(WITH MANHOLE ACCESS) 12" - 54" PIPE
ADOPTED FROM NCDOT STANDARD NO. 840.32

Not to Scale
Review Date: JULY 2024

DR-5



GENERAL NOTES:

1. MORTAR JOINTS 1/2" +/- 1/8" THICK.
2. USE CLASS "B" CONCRETE THROUGHOUT.
3. USE FORMS FOR CONSTRUCTION OF THE BOTTOM SLAB.
4. USE #4 BAR DOWELS AT 12" CENTERS.
5. DEDUCT FOR PIPE(S) FROM TOTAL CU. YDS. OF BRICK MASONRY.
6. PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
7. USE BRICK OR CONCRETE BLOCK WHICH COMPLIES WITH THE REQUIREMENTS OF SECTION 840 OF THE STANDARD SPECIFICATIONS.
8. IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
9. FOR 6'-0" IN HEIGHT OR LESS, USE 8" WALL. OVER 6'-0" IN HEIGHT, USE 12" WALL TO 6'-0" FROM TOP OF WALL AND 8" WALL FOR THE UPPER 6'-0". QUANTITIES TO BE ADJUSTED ACCORDINGLY.
10. CONSTRUCT WITH PIPE CROWNS MATCHING.
11. SEE NCDOT STANDARD DRAWING 840.25 FOR ATTACHMENT OF FRAMES AND GRATES.
12. DO NOT USE BRICK MASONRY DROP INLET IN LOCATIONS SUBJECT TO TRAFFIC.
13. CHAMFER ALL EXPOSED CORNERS 1".

DIMENSIONS AND QUANTITIES FOR (ROP INLET(BASED ON MIN. HEIGHT, H)

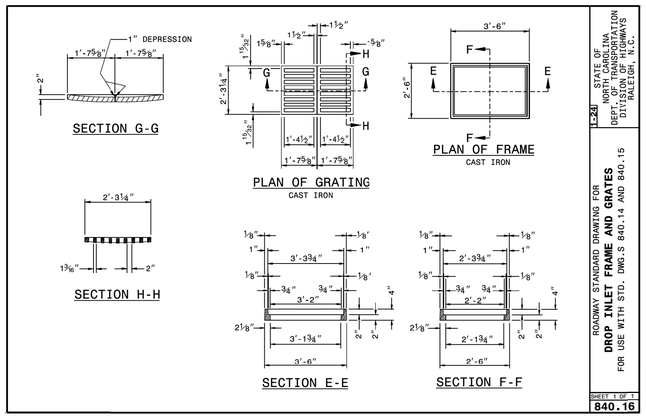
DIMENSIONS OF BOX & PIPE				CUBIC YARDS CONCRETE	CUBIC YARDS BRICK MASONRY		DEDUCTIONS FOR ONE PIPE	
PIPE	SPAN	WIDTH	MIN. HEIGHT	BOTTOM SLAB	WALL PER FOOT HT.	TOTAL BRICK MASONRY FOR MIN. HEIGHT, H	C.S.	R.C.
D	A	B	H					
12"	3'-0"	2'-0"	3'-0"	0.258	0.313	0.522	0.020	0.032
15"	/	/	3'-3"	0.258	0.313	0.600	0.031	0.047
18"	/	/	3'-6"	0.258	0.313	0.678	0.044	0.065
24"	/	/	3'-0"	0.258	0.313	0.835	0.078	0.113
30"	3'-0"	2'-0"	3'-6"	0.258	0.313	0.991	0.122	0.170

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

DROP INLET WITH GRATE 12" TO 30" PIPE
ADOPTED FROM NCDOT STANDARD NO. 840.15

Not to Scale
Review Date: JULY 2024

DR-11

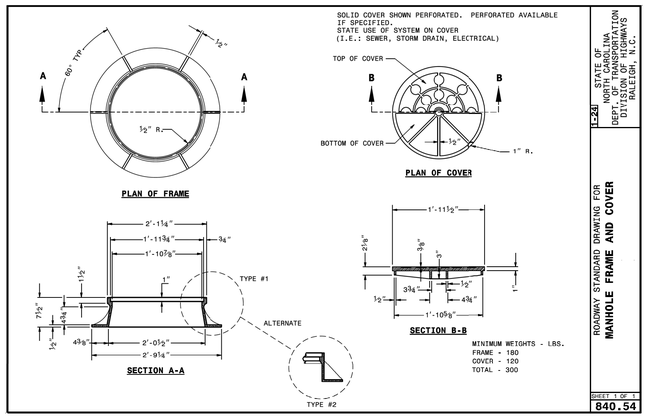


ROADWAY STANDARD DRAWING FOR
DROP INLET FRAME AND GRATES
FOR USE WITH STD. 840.5 840.14 AND 840.15

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-26

SHEET 1 OF 1
840.16



ROADWAY STANDARD DRAWING FOR
MANHOLE FRAME AND COVER

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-26

SHEET 1 OF 1
840.54

SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: DRAINAGE DETAIL

SHEET NUMBER: 9 of 11

RK&K
Raleigh, NC 27609
8601-104 Forest Road, Forum 1, Suite 700
Phone: (919) 790-0900 Fax: (919) 790-0990
NC License No. C-2412

Engineers | Construction Managers | Planners | Scientists

Removable Parallel Concrete Bollards

FAYETTEVILLE NC
ENGINEERING DIVISION
PUBLIC SERVICES DEPARTMENT
433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 057905 JAMES R. RANDALL
Jim Randall — NAME
DATE:

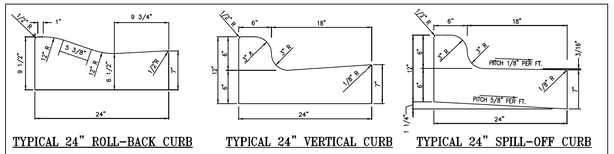
REVISIONS

REV. #	DESCRIPTION	REV.BY DATE

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH,PE
APPROVED : JEFF MEADOR, PE

PROJECT : FAYETTEVILLE SIDEWALK IMPROVEMENTS
NAME :
SCALE :
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #



TYPICAL 24" ROLL-BACK CURB

TYPICAL 24" VERTICAL CURB

TYPICAL 24" SPILL-OFF CURB

TYPICAL 30" ROLL CURB

TYPICAL 30" VERTICAL CURB

TYPICAL 30" SPILL-OFF CURB

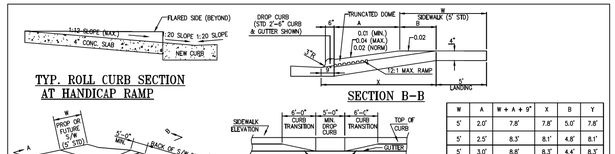
NOTES:
1. ALL CURBS CONSTRUCTED OF 3000 PSI CONCRETE.
2. CONTRACTION JOINTS EVERY 10'; EXPANSION JOINTS EVERY 30'.
3. CURB SHALL BE DEPRESSED AT INTERSECTIONS TO PROVIDE FOR FUTURE ACCESSIBLE RAMPS.
4. TOP 6" OF SUBGRADE BENEATH THE CURB AND GUTTER SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

24" AND 30" CURB DETAILS

Rev. Date: 26 JAN 21
Not to Scale
Review Date: 26 JAN 21

SD-1



TYP. ROLL CURB SECTION AT HANDICAP RAMP

SECTION B-B

SECTION A-A

ISOMETRIC VIEW

PLAN VIEW

DIAGONAL RAMP (ANY SIZE RADIUS) (60' MIN. FLOOR WIDTH) [NOT PERMISSIBLE FOR NEW CONSTRUCTION]

PLAN VIEW

W	A	W + A + 9"	X	B	Y
5'	2.0'	7.8'	7.8'	5.0'	7.8'
5'	2.5'	8.3'	8.1'	4.8'	8.1'
5'	3.0'	8.8'	8.3'	4.4'	8.3'
5'	3.5'	9.3'	8.4'	4.1'	8.4'
5'	4.0'	9.8'	8.6'	3.8'	8.6'
5'	4.5'	10.3'	8.7'	3.4'	8.7'
5'	5.0'	10.8'	8.9'	3.1'	8.9'

B = X - (A + 9")

B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK PONT OF 12:1 (8.33%) SLOPE.

* BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES.

** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPED 0.04.

NOTES:
1. A PORTION OF ONE OR BOTH RAMPS MAY EXTEND OUTSIDE THE CURB RETURN.
2. PLACE EXPANSION JOINT ON ALL SIDES WHERE SIDEWALK ABUTS RAMP.

SEE SHEET SD-2.3 FOR WHEELCHAIR RAMP NOTES.

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

WHEELCHAIR RAMP W/ SIDEWALK OFF BACK OF CURB

Rev. Date: 26 JAN 21
Not to Scale
Review Date: 26 JAN 21

SD-2

1. CONSTRUCT THE WALKING SURFACE WITH SLIP RESISTANCE AND A 70% CONTRASTING COLOR TO THE SIDEWALK. WHEELCHAIR RAMP SHALL ALSO INCLUDE A BLACK, TRUNCATED DOME STRIP.
2. CROSSWALK WIDTHS AND CONFIGURATION VARY BUT MUST CONFORM TO TRAFFIC DESIGN STANDARDS.
3. NORTH CAROLINA GENERAL STATUTE 136-44.14 REQUIRES THAT ALL STREET CURBS BEING CONSTRUCTED OR RECONSTRUCTED FOR MAINTENANCE PROCEDURES, TRAFFIC OPERATIONS, REPAIRS, CORRECTION OF UTILITIES OR ALTERED FOR ANY REASON AFTER SEPTEMBER 1, 1973 SHALL PROVIDE WHEELCHAIR RAMPS FOR THE PHYSICALLY DISABLED AT ALL INTERSECTIONS WHERE BOTH CURB AND GUTTER AND SIDEWALKS ARE PROVIDED AND AT OTHER POINTS OF PEDESTRIAN FLOW.

   IN ADDITION, SECTION 228 OF THE 1973 FEDERAL AID HIGHWAY SAFETY ACT REQUIRES PROVISION OF CURB RAMPS ON ANY CURB CONSTRUCTION AFTER JULY 1, 1976 WHETHER A SIDEWALK IS PROPOSED INITIALLY OR IS PLANNED FOR A FUTURE DATE.

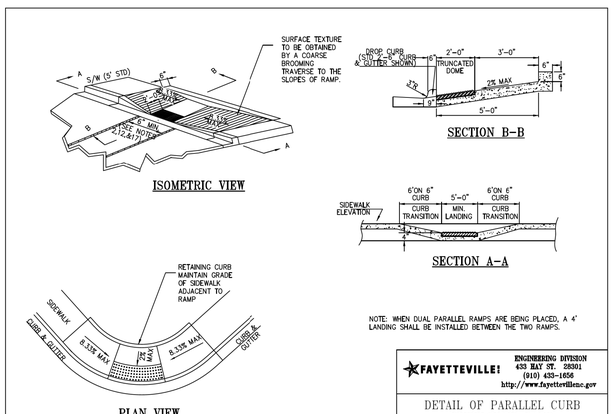
   THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990 EXTENDS TO INDIVIDUALS WITH DISABILITIES. COMPREHENSIVE CIVIL RIGHTS PROTECTIONS SIMILAR TO THOSE PROVIDED TO PERSONS ON THE BASIS OF RACE, SEX, NATIONAL ORIGIN AND RELIGION UNDER THE CIVIL RIGHTS ACT OF 1964. THESE CURB RAMPS HAVE BEEN DESIGNED TO COMPLY WITH THE CURRENT ADA STANDARDS.
4. PROVIDE WHEELCHAIR RAMPS AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. LOCATE WHEELCHAIR RAMPS AS DIRECTED BY THE ENGINEER WHERE EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. AFFECT PLACEMENT. WHERE TWO RAMPS ARE INSTALLED NOT LESS THAN 2 FEET OF FULL HEIGHT CURB SHALL BE PLACED BETWEEN THE RAMPS. PLACE DUAL RAMPS AS NEAR PERPENDICULAR TO THE TRAVEL LANE BEING CROSSED AS POSSIBLE.
5. PAY FOR ALL VARIABLE DEPTH CONCRETE USED FOR CONSTRUCTION OF WHEELCHAIR RAMPS AS CONCRETE WHEELCHAIR RAMPS AS DESCRIBED ON PROJECT SPECIFICATIONS.
6. PAY FOR ALL DEPRESSED CURBS AT WHEELCHAIR RAMPS AS THE TYPE CURB AND GUTTER USED ADJACENT TO DEPRESSED CURB. (Ln. FT.)
7. SUCH PRICES AND PAYMENTS WILL BE CONSIDERED FULL COMPENSATION FOR ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO SATISFACTORILY COMPLETE THE WORK.
8. DO NOT EXCEED 0.08 (1:12) SLOPE ON THE WHEELCHAIR RAMP IN RELATIONSHIP TO THE GRADE OF THE STREET.
9. CONSTRUCT WHEELCHAIR RAMPS 48" (ADA STANDARD) OR GREATER FOR DUAL RAMPS.
10. USE CLASS "B" CONCRETE WITH A SIDEWALK FINISH IN ORDER TO OBTAIN A ROUGH NON-SKID TYPE SURFACE.
11. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE WHEELCHAIR RAMP JOINS THE CURB AND AS SHOWN ON SD-2.
12. PLACE THE INSIDE PEDESTRIAN CROSSWALK LINES NO CLOSER IN THE INTERSECTION BY BISECTING THE INTERSECTION RADII, WITH ALLOWANCE OF A 4' CLEAR ZONE IN THE VEHICULAR TRAVELWAY WHEN ONE RAMP IS INSTALLED. (SEE NOTE 17)
13. COORDINATE THE CURB CUT AND THE PEDESTRIAN CROSSWALK LINES SO THE FLOOR OF THE WHEELCHAIR RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES. PLACE DIAGONAL RAMPS WITH FLARED SIDES SO 24" OF FULL HEIGHT CURB FALLS WITHIN THE CROSSWALK MARKINGS ON EACH SIDE OF THE FLARES.
14. CONSTRUCT THE PEDESTRIAN CROSSWALK A MINIMUM OF 5 FEET. A CROSSWALK WIDTH OF 10 FEET OR GREATER IS DESIRABLE.
15. USE STOP LINES, NORMALLY PERPENDICULAR TO THE LANE LINES, WHERE IT IS IMPORTANT TO INDICATE THE POINT BEHIND WHICH VEHICLES ARE REQUIRED TO STOP IN COMPLIANCE WITH A TRAFFIC SIGNAL, STOP SIGN OR OTHER LEGAL REQUIREMENT. AN UNUSUAL APPROACH SKEW MAY REQUIRE THE PLACEMENT OF THE STOP LINE TO BE PARALLEL TO THE INTERSECTING ROADWAY.
16. TERMINATE PARKING A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.
17. PLACE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION AND THE NORTH CAROLINA SUPPLEMENT TO THE MUTCD.

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

WHEELCHAIR RAMP NOTES

Rev. Date: 26 JAN 21
Not to Scale
Review Date: 26 JAN 21

SD-2.3



ISOMETRIC VIEW

SECTION B-B

SECTION A-A

PLAN VIEW

NOTE: WHEN DUAL PARALLEL RAMPS ARE BEING PLACED, A 4' LANDING SHALL BE INSTALLED BETWEEN THE TWO RAMPS.

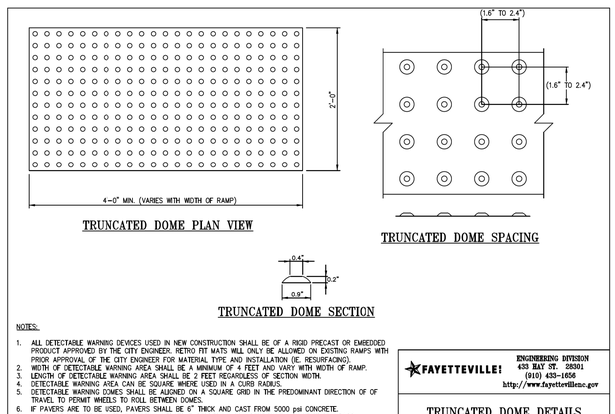
SEE SHEET SD-2.3 FOR WHEELCHAIR RAMP NOTES.

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

DETAIL OF PARALLEL CURB WHEELCHAIR RAMP

Rev. Date: 26 JAN 21
Not to Scale
Review Date: 26 JAN 21

SD-2.4



TRUNCATED DOME PLAN VIEW

TRUNCATED DOME SPACING

TRUNCATED DOME SECTION

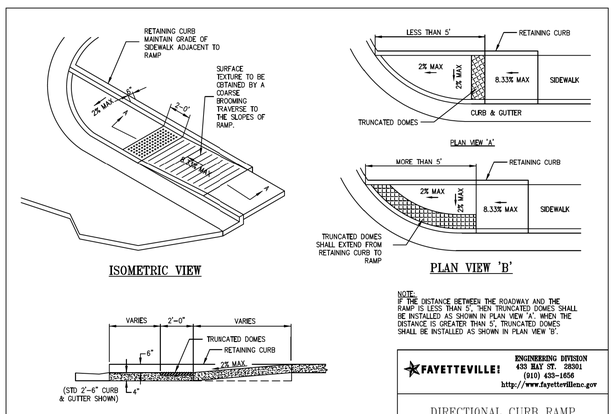
NOTES:
1. ALL DETECTABLE WARNING DEVICES USED IN NEW CONSTRUCTION SHALL BE OF A RIGID PRECAST OR EMBEDDED PRODUCT APPROVED BY THE CITY ENGINEER. RETRO FIT MATS WILL ONLY BE ALLOWED ON EXISTING RAMPS WITH PRIOR APPROVAL OF THE CITY ENGINEER FOR MATERIAL TYPE AND INSTALLATION (IE. RESURFACING).
2. WIDTH OF DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET AND VARY WITH WIDTH OF RAMP.
3. LENGTH OF DETECTABLE WARNING AREA SHALL BE 2 FEET REGARDLESS OF SECTION WIDTH.
4. DETECTABLE WARNING AREA CAN BE SQUARE WHERE USED IN A CURB RADIUS.
5. DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
6. IF PAVERS ARE TO BE USED, PAVERS SHALL BE 6" THICK AND CAST FROM 5000 psi CONCRETE.
7. MATS ARE TO BE RIGID WITH TURN DOWN EDGES EMBEDDED IN CONCRETE TO ELIMINATE TRIP HAZARD.
8. TRUNCATED DOMES ARE TO BE BLACK IN COLOR.

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

TRUNCATED DOME DETAILS

Rev. Date: 26 JAN 21
Not to Scale
Review Date: 26 JAN 21

SD-2.5



ISOMETRIC VIEW

PLAN VIEW 'B'

NOTE:
IF THE DISTANCE BETWEEN THE ROADWAY AND THE RAMP IS LESS THAN 5', NON TRUNCATED DOMES SHALL BE INSTALLED AS SHOWN IN PLAN VIEW 'A'. WHEN THE DISTANCE IS GREATER THAN 5', TRUNCATED DOMES SHALL BE INSTALLED AS SHOWN IN PLAN VIEW 'B'.

SECTION A-A

SEE SHEET SD-2.3 FOR WHEELCHAIR RAMP NOTES.

FAYETTEVILLE!
ENGINEERING DIVISION
433 HAY ST. 28301
(910) 433-1656
http://www.fayettevillenc.gov

DIRECTIONAL CURB RAMP

Rev. Date: 26 JAN 21
Not to Scale
Review Date: 26 JAN 21

SD-2.7

SKYE DRIVE
SIDEWALK IMPROVEMENTS

PLAN TYPE: DETAILS

SHEET NUMBER: 10 of 11

RK&K
Engineers | Construction Managers | Planners | Scientists
600 Military Cutoff Road, Suite 360
Wilmington, NC 28405
910.509.0080
North Carolina P-0413

Engineering Design Consultants
Construction Management
Transportation Planning
Environmental Permitting
Landscape Architecture
Construction Engineering Inspection

FAYETTEVILLE!
ENGINEERING DIVISION
AMERICA'S CAN DO CITY
433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN B. SEALS
Erin Seals
DATE:

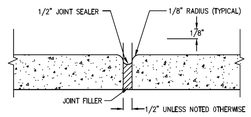
REV. #	DESCRIPTION	REV BY	DATE

REVISIONS

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH,PE
APPROVED : JEFF MEADOR, PE

PROJECT NAME : FAYETTEVILLE SIDEWALK IMPROVEMENTS
SCALE : 1"=10'
DATE : 2/25/2025

PROJECT NO. _____ PROJECT #
SUB-LEDGER NO. _____ SUB-LEDGER #



EXPANSION JOINT

CONTRACTION JOINT

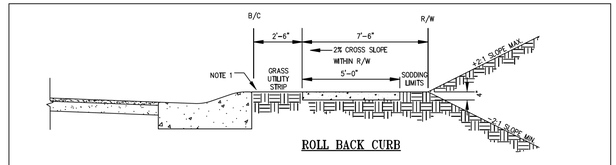
NOTES:

1. CONTRACTION JOINTS IN CURB AND GUTTER SHALL BE SPACED AT 10-FOOT INTERVALS. SIDEWALK CONTRACTION JOINTS SHALL BE SPACED AT 5-FOOT INTERVALS. JOINT SPACING MAY BE ALTERED BY THE CITY ENGINEER TO PREVENT UNCONTROLLED CRACKING.
2. CONTRACTION JOINTS SHALL BE MINIMUM 1" DEEP WHEN INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/2" SHALL BE OBTAINED.
3. ALL EXPANSION JOINTS SHALL BE SPACED AT 30-FOOT INTERVALS FOR HAND FORMED, AND ADJACENT TO ALL RIGID OBJECTS. JOINTS SHALL MATCH LOCATIONS WITH JOINTS IN ABUTTING SIDEWALK. IF CURB IS MACHINED A 90° SPACING IS ALLOWABLE
4. REFER TO NCDOT DETAILS 846.01 AND 848.01 FOR MORE INFORMATION.

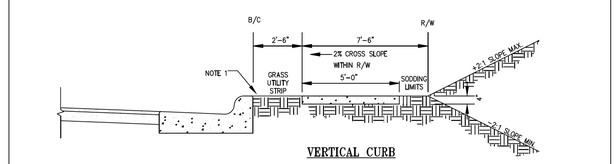
FAYETTEVILLE! ENGINEERING DIVISION 433 HAY ST. 28301 (910) 433-1656 http://www.fayettevillenc.gov

CONTRACTION AND EXPANSION JOINT

Rev. Date: 26 JAN 21 | Not to Scale | Review Date: 26 JAN 21 | SD-3



ROLL BACK CURB



VERTICAL CURB

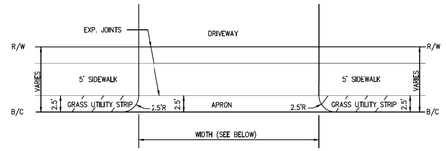
NOTES:

1. VERTICAL CURB - GRASS UTILITY STRIP MAY BE REMOVED UPON APPROVAL OF THE CITY ENGINEER. IF NO GRASS UTILITY STRIP, INSTALL 1/2" EXPANSION JOINT MATERIAL BETWEEN BACK OF CURB AND SIDEWALK.
2. SEE DETAIL SD-3 CONTRACTION AND EXPANSION JOINT.
3. SEE DETAIL SD-9 TYPICAL RESIDENTIAL DRIVEWAY APRON AND DETAIL SD-9.1 TYPICAL COMMERCIAL DRIVEWAY APRON.
4. SODDING LIMITS INCLUDE THE GRASS UTILITY STRIP BETWEEN THE BACK OF CURB AND THE SIDEWALK AS WELL AS 2'6" BEYOND THE SIDEWALK.
5. SEE TECHNICAL SPECIFICATION SECTION 00455, PART 3, SUB-SECTION 3.02, SUB-PART F.

FAYETTEVILLE! ENGINEERING DIVISION 433 HAY ST. 28301 (910) 433-1656 http://www.fayettevillenc.gov

TYPICAL SIDEWALK SECTION & SODDING LIMTS

Rev. Date: 26 JAN 21 | Not to Scale | Review Date: 26 JAN 21 | SD-12



DRIVEWAY APRON

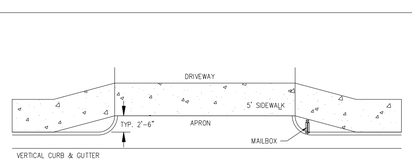
12'(MIN) WIDTH
20'(MAX) WIDTH (DOUBLE)
4" THICK(MIN) CONCRETE

NOTE: DISTANCE FROM B/C TO R/W VARIES ON DIFFERENT STREETS.

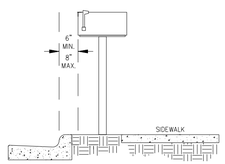
FAYETTEVILLE! ENGINEERING DIVISION 433 HAY ST. 28301 (910) 433-1656 http://www.fayettevillenc.gov

TYPICAL RESIDENTIAL DRIVEWAY APRON

Rev. Date: 26 JAN 21 | Not to Scale | Review Date: 26 JAN 21 | SD-9

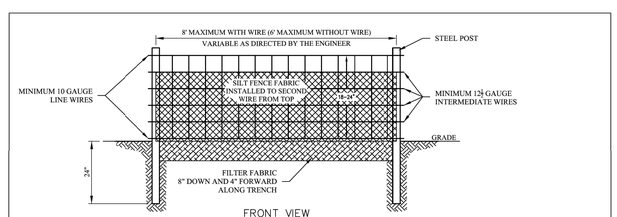


NOTE: MAILBOX MUST BE PLACED AT MINIMUM 6" OFF FROM THE EDGE OF PAVEMENT OR FACE OF CURB.

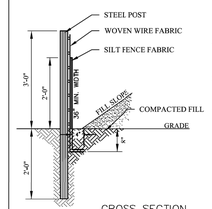


FAYETTEVILLE! ENGINEERING DIVISION 433 HAY ST. 28301 (910) 433-1656 http://www.fayettevillenc.gov

TYPICAL MAILBOX PLACEMENT WITH VERTICAL CURB & GUTTER



FRONT VIEW



CROSS SECTION

MAINTENANCE:

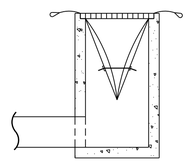
1. INSPECT AT LEAST ONCE A WEEK AND AFTER EACH 1 in. OR GREATER RAINFALL. MAKE REQUIRED REPAIRS IMMEDIATELY.
2. REMOVE SEDIMENT TO PROVIDE ADEQUATE STORAGE VOLUME FOR NEXT RAIN AND REDUCE PRESSURE ON THE FENCE.
3. AVOID UNDERMINING THE FENCE DURING CLEANOUT.

NOTES:

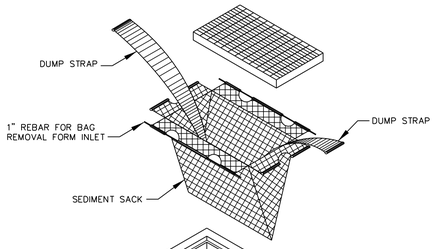
1. OVERLAP 12 in. WHEN SPLICING FABRIC.
2. EXCAVATE THE TRENCH APPROXIMATELY 4 in. WIDE AND 8 in. DEEP ALONG THE PROPOSED LINE OF THE POSTS AND UPSLOPE FROM THE BARRIER.
3. BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT.
4. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.
5. SILT FENCE MAY BE INSTALLED WITHOUT WIRE WHEN STAKES ARE PLACED 6 ft. APART OF LESS.

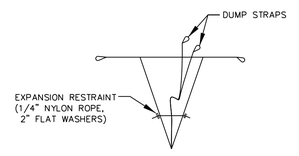
FAYETTEVILLE! ENGINEERING DIVISION 433 HAY ST. 28301 (910) 433-1656 http://www.fayettevillenc.gov

STANDARD TEMPORARY SILT FENCE



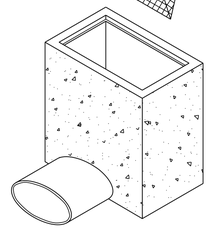
INSTALLATION DETAIL





BAG DETAIL

MAINTENANCE: CHECK BAG WEEKLY AND REMOVE SEDIMENT AS NECESSARY



EFFECTIVE: 01/05/17

STANDARD INLET SEDIMENT CONTROL DEVICE

DETAIL No. EC-01 SHEET 1 OF 1

SKYE DRIVE SIDEWALK IMPROVEMENTS

PLAN TYPE: DETAILS | SHEET NUMBER: 11 of 11

RK&K 2020 RK&K All Rights Reserved. 8081 Arco Corporate Drive, Suite 400, Raleigh, NC 27617, (919) 783-9500, NC Firm Lic. No. C-2412. Engineers | Construction Managers | Planners | Scientists. Renaissance Parallel | Cowles Advisors

FAYETTEVILLE NC — AMERICA'S CAN DO CITY — ENGINEERING DIVISION, PUBLIC SERVICES DEPARTMENT, 433 HAY STREET FAYETTEVILLE, NC 28301

NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN B. SEALS — Erin Seals — DATE:

REVISIONS

REV. #	DESCRIPTION	REV.BY	DATE

DRAWN : ERIN SEALS, PE
DESIGN : ERIN SEALS, PE
CHECK : ROMAN PROKOPOVYCH,PE
APPROVED : JEFF MEADOR, PE

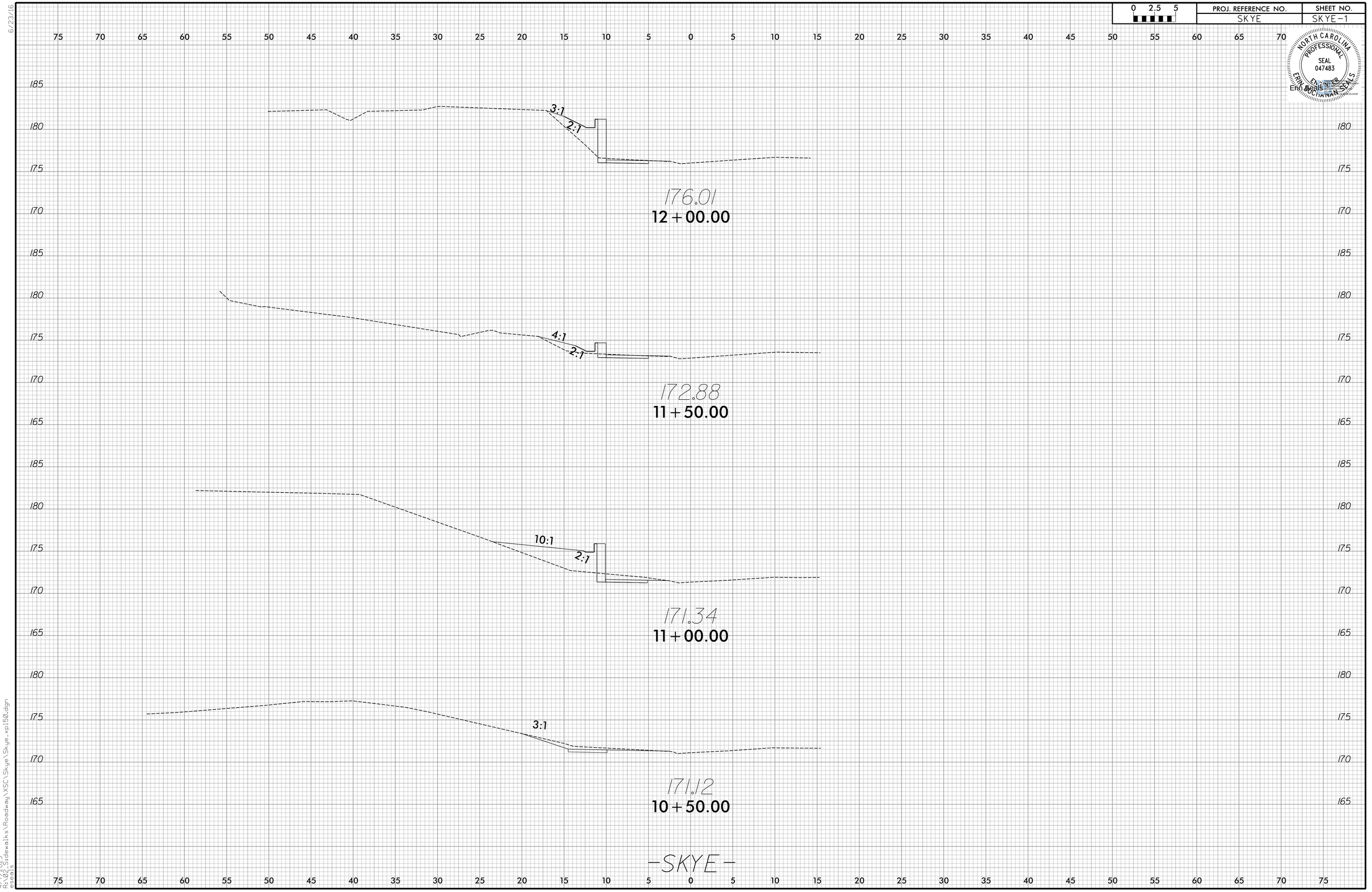
PROJECT NAME : FAYETTEVILLE SIDEWALK IMPROVEMENTS
SCALE :
DATE : 2/25/2025

PROJECT NO. PROJECT #
SUB-LEDGER NO. SUB-LEDGER #

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	SKYE-1

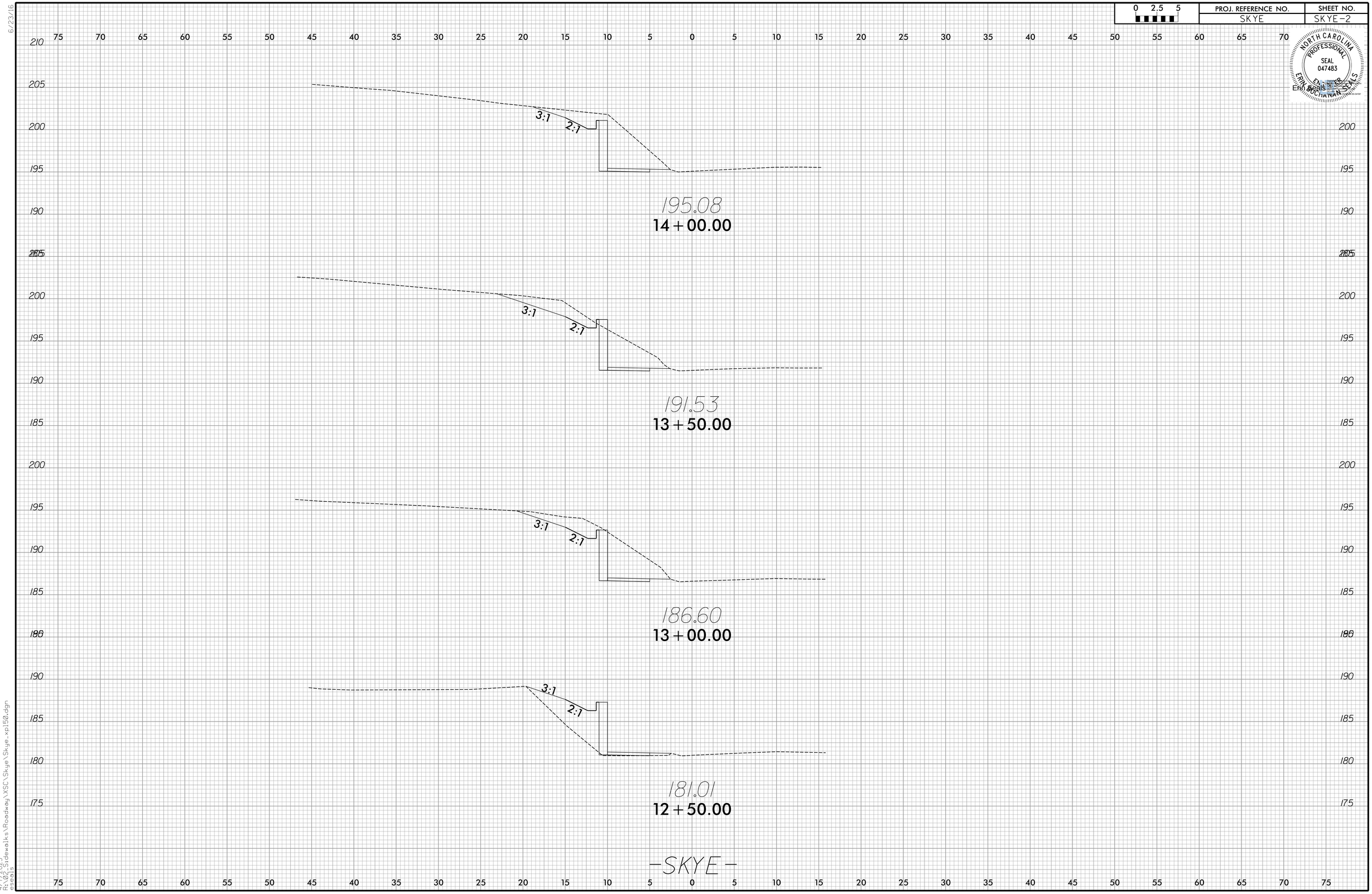
NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER
Erin Beals
ERIN BEALS SUCHANAN



4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Skye_xp150.dgn
esseals

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	SKYE-2

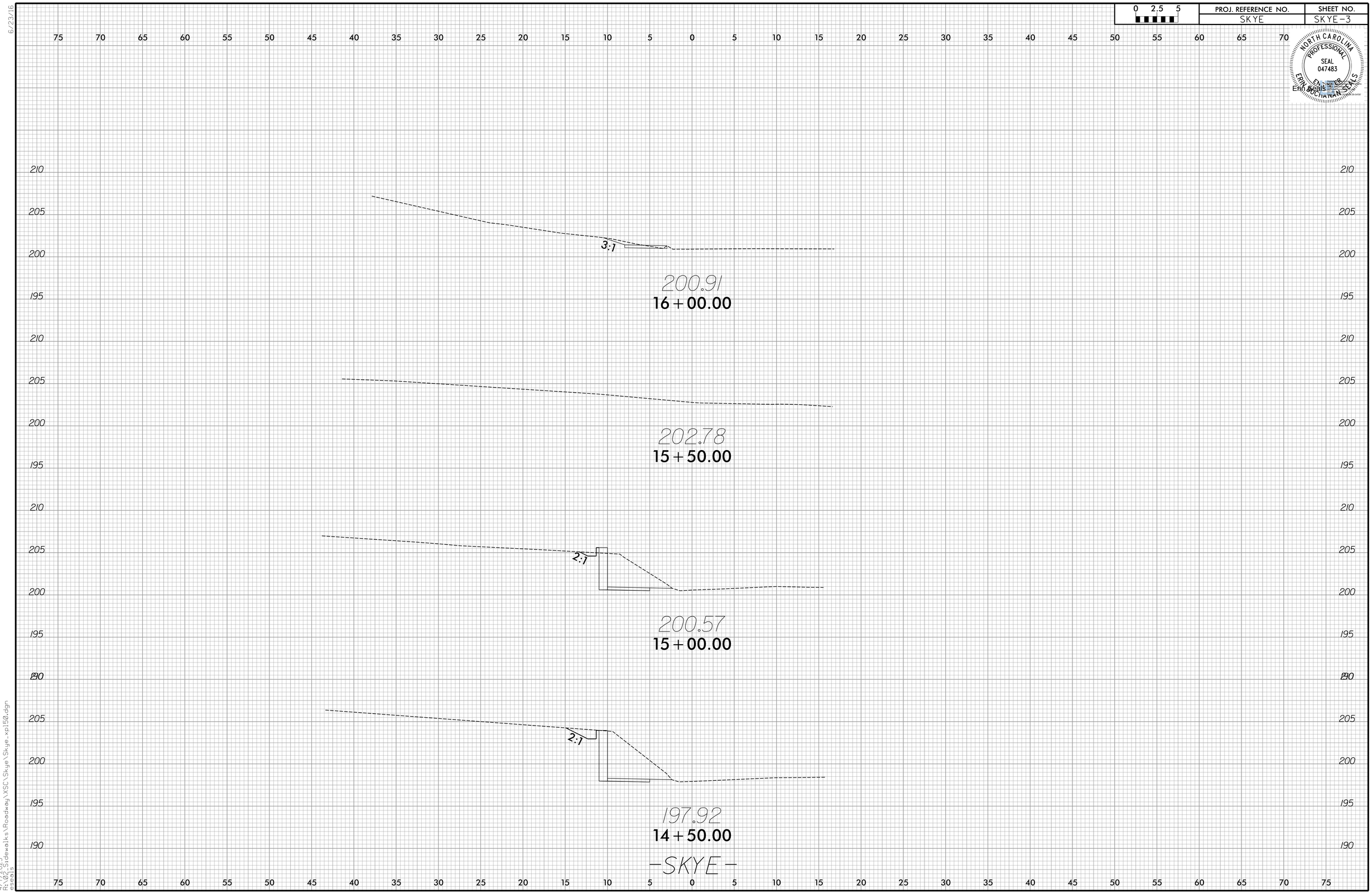


NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN SEALS

4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Skye_xp150.dgn
eseals

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	SKYE-3



NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER ERIN SCOTT BUCHANAN
Erin Scott Buchanan

4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Skye_xp150.dgn
essels

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	SKYE-4

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 047483 ERIN SEALS STRUCTURAL SEALS

Erin Seals

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

210 205 200 205 200 ~~205~~ 200 195 ~~205~~ 200 195 190 210 205 200 195 190

206.51
18+50.00

5:1

202.66
18+00.00

4:1

199.19
17+50.00

3:1

197.73
17+00.00

2.5:1

198.35
16+50.00

-SKYE-

4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Skye_xp150.dgn
esseals

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	DEVERS-1

4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Devers_xp150.dgn
eseals

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	DEVERS-2

NORTH CAROLINA PROFESSIONAL SEAL 047483 ENGINEER
Erin Beals
ERIN BEALS BUCHANAN SEALS

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

215 210 205

2.8:1

211.18
15+50.00

3:1

210.70
15+00.00

6:1

210.14
14+50.00

3:1

209.70
14+00.00

3:1

209.09
13+50.00

3:1

208.58
13+00.00

-DEVERS-

200

4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Devers-xp150.dgn
eseals

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	DEVERS-3

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

215
210
205
200

3:1

208.79
18+50.00

210
205

208.97
18+00.00

210
205

3:1

209.63
17+50.00

210
205

3:1

210.53
17+00.00

210
205

3:1

211.32
16+50.00

215
210
205

3:1

211.70
16+00.00

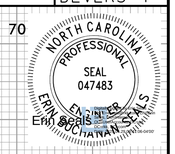
-DEVERS-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Devers-xp150.dgn
essels

6/23/16

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	SKYE	DEVERS-4



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

215 210 205 200

210.15
20+50.00

3:1

209.61
20+00.00

3:1

209.24
19+50.00

3:1

209.07
19+00.00

-DEVERS-

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

4/7/2025
R:\02_Sidewalks\Roadway\XSC\Skye\Devers-xp150.dgn
essels