PCN NO.	SHEET NO.	TOTAL SHEETS
LPA 10-13	1	46

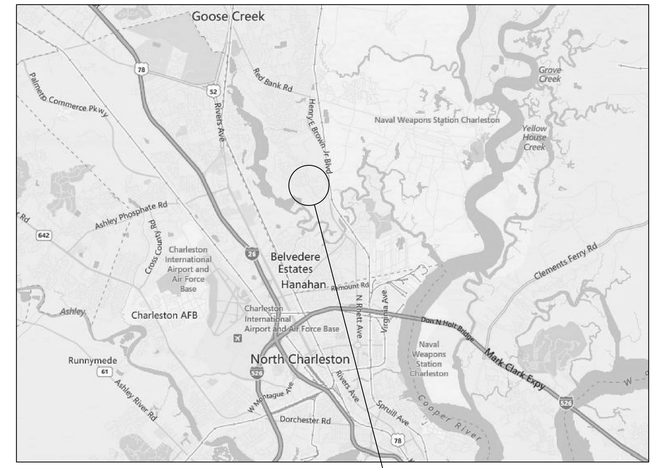
BCDCOG

Berkeley-Charleston-Dorchester
Council of Governments

PROPOSED PLANS FOR CITY OF HANAHAN COMPREHENSIVE TRAIL - PHASE 1 BERKELEY COUNTY PROJECT ID. LPA 10-13 BCDCOG

INDEX OF SHEETS

SHEET NO.	DESCRIPTION	NO. OF SHEETS
1	TITLE SHEET	1
2	SUMMARY OF ESTIMATED QUANTITIES	1
3 - 3A	TYPICAL SECTIONS	2
5	GENERAL CONSTRUCTION NOTES	1
5EC	EROSION CONTROL NOTES	1
5A - 5C	REFERENCE DATA SHEETS	3
5D - 5E	GEOMETRIC LAYOUT SHEETS	2
5F	PLAN SHEET INDEX	1
6 - 8B	PLAN SHEETS	8
10 - 11	PROFILES	2
EC01	EROSION CONTROL DATA SHEET	1
X-1 - X-4	PATH 1 CROSS SECTIONS	4
X-5 - X-11	PATH 2 CROSS SECTIONS	7
X-12 - X-15	PATH 3 CROSS SECTIONS	4
X-16 - X-23	PATH 4 CROSS SECTIONS	8
	TOTAL	46



PROJECT LOCATION

LAYOUT

SCALE 1 INCH = 5000 FEET

	TOTALS	
NET LENGTH OF ROADWAY	0.689	MILES
NET LENGTH OF BRIDGES	0.0	MILES
NET LENGTH OF PROJECT	0.689	MILES
LENGTH OF EXCEPTIONS	0.0	MILES
GROSS LENGTH OF PROJECT	0.689	MILES

EQUALITIES IN STATIONING NONE

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

Design Reference for these plans is the:
2012
AASHTO "Guide for the Development of Bicycle Facilities"

Hydraulic Design Reference for these plans is the:
2009
Edition of SCDOT's "Requirements for Hydraulic Design Studies"

Design Reference for these plans is the:
2001
AASHTO "A Policy on Geometric Design of Highways and Streets"

RAILROAD INVOLVEMENT?
YES / (NO)

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

This Project has been Developed per AASHTO 2012 "Guide for the Development of Bicycle Facilities".The SCDOT ADA Transition Plan, and the 2005 Revised Draft Guidelines for Public Rights-of-Way.

Transition Plan (SCDOT ADA Transition Plan)
http://www.scdot.org/doing/ada.aspx

PROWAG (2005 Revised Draft Guidelines for Public Rights of Way)
http://www.access-board.gov/guidelines-and-standards/streets-sidewalks/public-rights-of-way/background/revised-draft-guidelines.

Bike Guide (AASHTO 2012 Guide for the Development of Bicycle Facilities)

Green Book (AASHTO Geometric Design of Highway and Streets)

Standard Drawing (SCDOT Standard Drawings)
http://www.scdot.org/doing/sd_disclaimer.aspx

NPDES PERMIT INFORMATION

NPDES Disturbed
Area = 1.34 Acre(s)

Approximate Location of Roadway is

Begin
Latitude 32^ 50' 01" N
Longitude 80^ 00' 06" W

End
Latitude 32^ 56' 30" N
Longitude 80^ 00' 26" W

Hydraulic and NPDES Design provided by:
CDM Smith

Designs may be obtained from the SCDOT Regional Production Group

JULY 21, 2016

CONSULTING ENGINEERING FIRM

CDM Smith

ENGINEER OF RECORD

SOUTH CAROLINA CDM Smith Inc. No. C00402 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 26411 STUART F. HEALY

FOR CONSTRUCTION : _____ _____
DATE

CONSTRUCTION PLANS REVIEW

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	BERKELEY	LPA 10-13		2

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	PAY ITEM	COMPUTED QUANTITY	PAY UNIT	INCIDENTAL QUANTITY
1050800	CONSTRUCTION STAKES, LINES & GRADES	1	EA	
1071000	TRAFFIC CONTROL	1	LS	
2012000	CLEARING & GRUBBING WITHIN ROADWAY	1	LS	
2016001	RELOCATE SELECTED TREES & SHRUBS	1	LS	
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	210	SY	
2024100	REMOVAL & DISPOSAL OF EXISTING CURB	60	LF	
2031000	UNCLASSIFIED EXCAVATION	1080	CY	
2033000	BORROW EXCAVATION	260	CY	
2081001	FINE GRADING	4200	SY	
3050104	GRADED AGGREGATE BASE COURSE (4" UNIFORM)	3805	SY	
3069900	MAINTENANCE STONE	150	TON	
4010005	PRIME COAT	915	GAL	
4011004	LIQUID ASPHALT BINDER PG64-22	26	TON	
4030340	HOT MIX ASPHALT SURFACE COURSE TYPE C	435	TON	
6051120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	352	SF	
6250025	24" WHITE SOLID LINES (STOPLINES)-FAST DRY PAINT	35	LF	
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL. (CROSSWALK)	470	LF	
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG. SIGN	70	SF	
6531210	U-SECTION POST FOR SIGN SUPPORTS - 3P	100	LF	
7203110	CONCRETE CURB AND GUTTER(1'-6") VERTICAL FACE	150	LF	
7204100	CONCRETE SIDEWALK(4" UNIFORM)	560	SY	
7204900	DETECTABLE WARNING SURFACE	170	SF	
7209000	PEDESTRIAN RAMP CONSTRUCTION	200	SY	
8068258	PVC/COMPOSITE STYLE FENCE	300	LF	
8100100	PERMANENT COVER	0.55	ACRE	
8100200	TEMPORARY COVER	0.28	ACRE	
8104005	FERTILIZER (NITROGEN)	55	LB	
8104010	FERTILIZER (PHOSPHORIC ACID)	55	LB	
8104015	FERTILIZER (POTASH)	55	LB	
8105005	AGRICULTURAL GRANULAR LIME	1100	LB	
8109050	SELECTIVE WATERING	54,300	GAL.	
8109901	MOWING	1.66	ACRE	

ITEM NO.	PAY ITEM	COMPUTED QUANTITY	PAY UNIT	INCIDENTAL QUANTITY
8151111	TEMPORARY EROSION CONTROL BLANKET (CLASS A)	0.461	MSY	
8151201	HECP - TYPE 1	0.55	ACRE	
8153000	SILT FENCE	4700	LF	
8153090	REPLACE/REPAIR SILT FENCE	470	LF	
8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	1175	LF	
8156490	STABILIZED CONSTRUCTION ENTRANCE	550	SY	
SPECIAL	PET WASTE STATION	1	EACH	

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION NO 1

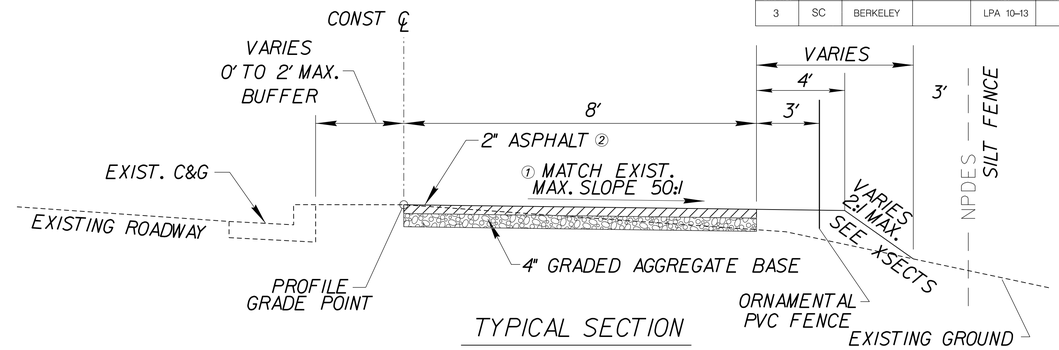
SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 26411
STUART F. HEALY

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
6			
5			
4			
3			
2			
1			

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		3

NOTES:

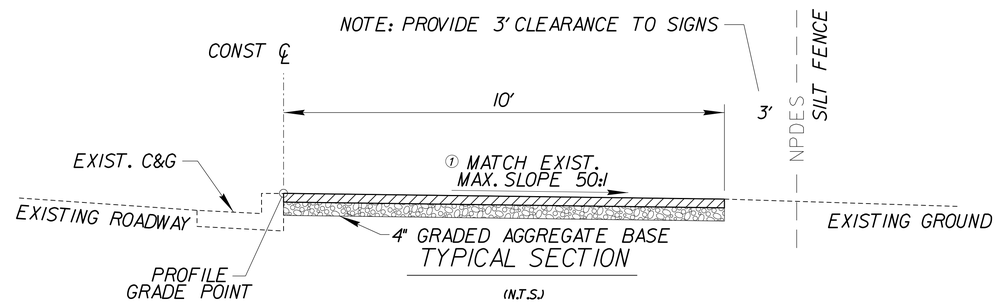
1. MULTI-USE PATH WILL CLOSELY MATCH THE EXISTING GROUND. PATH SHALL BE SLOPED AT 50:1 AS SHOWN ON THE CROSSSECTIONS. A 1' EARTH SHOULDER SHALL BE ADDED TO THE OUTSIDE OF THE PATH WITH A SLOPE TO EXISTING GROUND AS SHOWN ON CROSS SECTIONS.
2. 2" ASPHALT SURFACE SHALL BE USED EVERYWHERE ALONG ALL PATHS EXCEPT WHERE CURB RAMPS ARE NEEDED FOR ROADWAY CROSSINGS. IN AREAS WHERE CURB RAMPS ARE REQUIRED, SCDOT STANDARD ADA CONCRETE RAMP SHALL BE USED. SEE PLAN SHEETS AND SCDOT STANDARDS.
3. DESIGN SPEED = 20 MPH
4. FOR PEDESTRIAN RAMP CONSTRUCTION DETAILS SEE SCDOT STANDARD DRAWINGS 720-929-01, 720-929-02, AND 720-951-11
5. PVC FENCE SHALL COMPLY WITH ASTM F964-13: STANDARD SPECIFICATION FOR RIGID POLY (VINYL CHLORIDE) (PVC) EXTERIOR PROFILES USED FOR FENCING AND RAILING. FENCE SHALL BE WHITE PVC COMMERCIAL GRADE WITH RANCH STYLE POST AND RAILS. RAIL THICKNESS SHALL BE 0.090 DOUBLE RIBBED. POST THICKNESS SHALL BE 0.150.



TYPICAL SECTION

(N.T.S.)

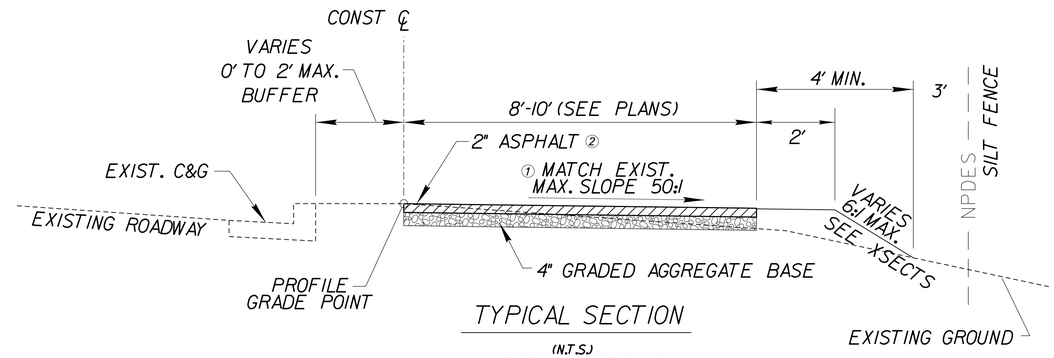
USE THIS SECTION ON
PATH 1 - STA. 10+00 TO STA. 13+59.94



TYPICAL SECTION

(N.T.S.)

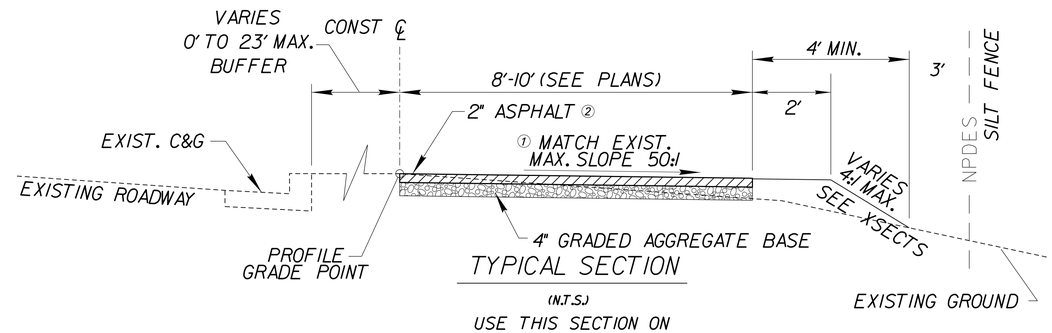
USE THIS SECTION ON
PATH 3 - STA. 40+00.00 TO STA. 40+55.00
PATH 3 - STA. 45+00 TO STA. 45+78.94



TYPICAL SECTION

(N.T.S.)

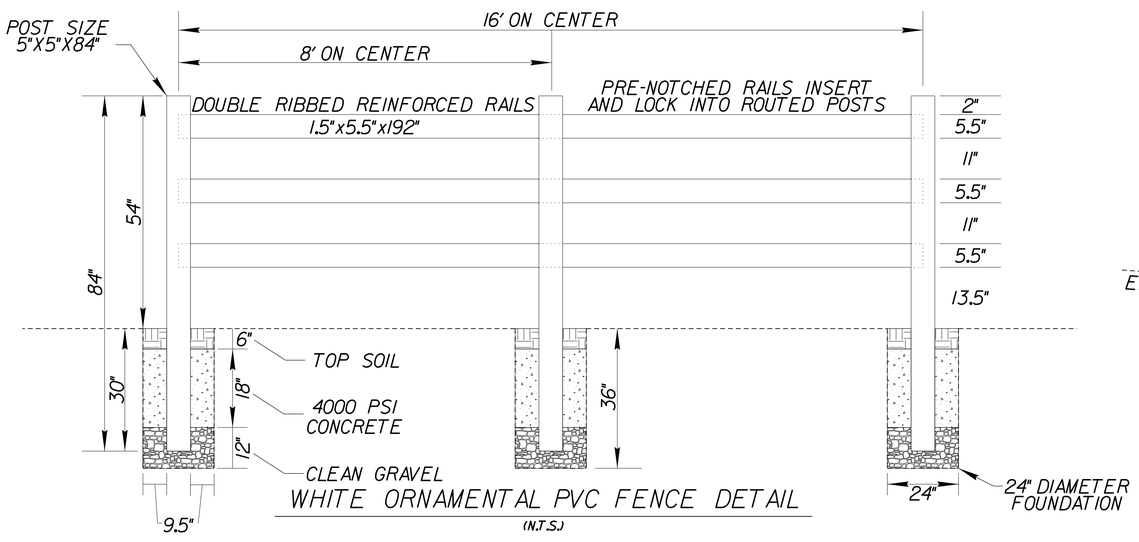
USE THIS SECTION ON
PATH 2 - STA. 20+00.00 TO STA. 20+72.20
PATH 2 - STA. 32+05 TO STA. 32+75.40



TYPICAL SECTION

(N.T.S.)

USE THIS SECTION ON
PATH 2 - STA. 20+72.20 TO STA. 32+05.00
PATH 3 - STA. 40+55.00 TO STA. 45+00.00



WHITE ORNAMENTAL PVC FENCE DETAIL

(N.T.S.)

SOUTH CAROLINA CDM Smith Inc. No. C00402 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 26411 STUART F. HEALY

CDM Smith

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. ____ DATE ____
DWG. ____ DATE ____
CKD. ____ DATE ____

PLOTTED – 7/20/2016
DIRECTORY – ...\DGN\Plans\03_Typ_Sect.dgn

CITY OF HANAHAN, SOUTH CAROLINA

CDM SMITH

CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
TYPICAL PATHWAY SECTIONS

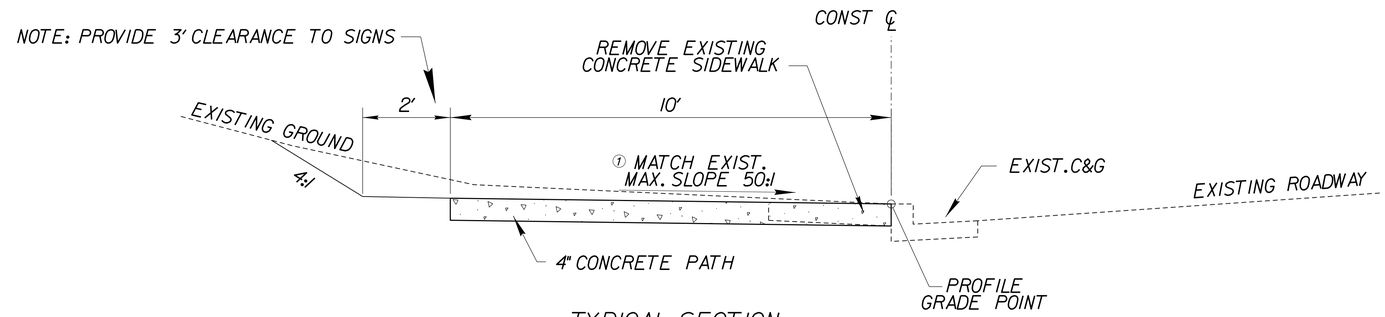
SCALE: 1" = N/A

SHEET 3

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		3A

NOTES:

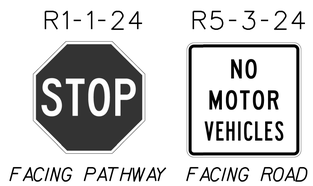
1. MULTI-USE PATH WILL CLOSELY MATCH THE EXISTING GROUND. PATH SHALL BE SLOPED AT 50:1 AS SHOWN ON THE CROSSSECTIONS. A 1' EARTH SHOULDER SHALL BE ADDED TO THE OUTSIDE OF THE PATH WITH A SLOPE TO EXISTING GROUND AS SHOWN ON CROSS SECTIONS.
2. 2" ASPHALT SURFACE SHALL BE USED EVERYWHERE ALONG ALL PATHS EXCEPT WHERE CURB RAMPS ARE NEEDED FOR ROADWAY CROSSINGS. IN AREAS WHERE CURB RAMPS ARE REQUIRED, SCDOT STANDARD ADA CONCRETE RAMP SHALL BE USED. SEE PLAN SHEETS AND SCDOT STANDARDS.
3. DESIGN SPEED = 20 MPH
4. FOR PEDESTRIAN RAMP CONSTRUCTION DETAILS SEE SCDOT STANDARD DRAWINGS 720-929-01, 720-929-02, AND 720-951-11



TYPICAL SECTION

(N.T.S.)

USE THIS SECTION ON PATH 4 - STA.50+00.00 TO STA.54+07.75



SIGN 'A'

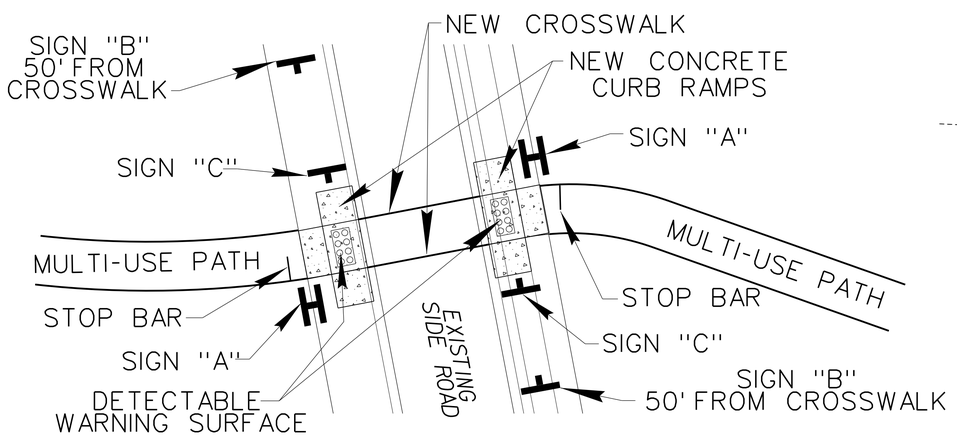
(N.T.S.)

SIGN 'B' FOR SIDE ROADS

(N.T.S.)

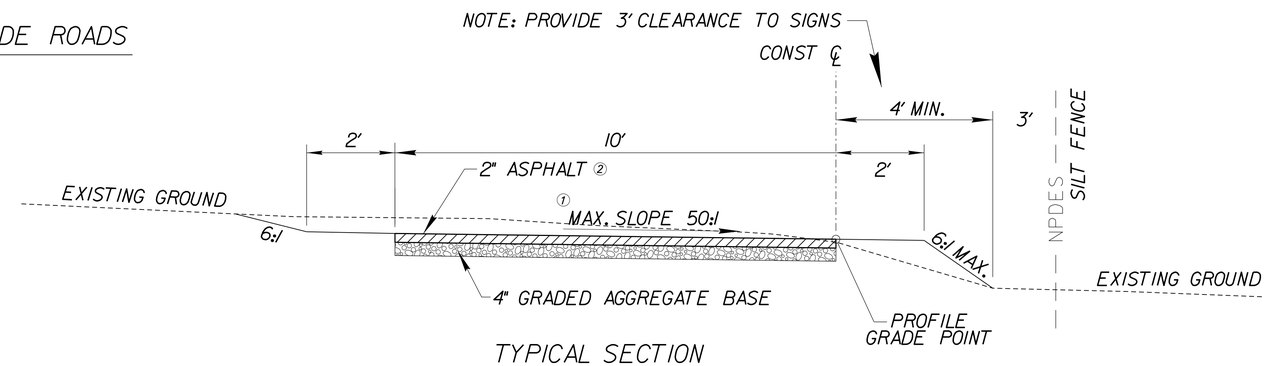
SIGN 'C' FOR SIDE ROADS

(N.T.S.)



TYPICAL SIGN 'A' PLACEMENT FOR SIDE ROADS

(N.T.S.)



TYPICAL SECTION

(N.T.S.)

USE THIS SECTION ON PATH 4 - STA.54+07.75 TO STA.64+14.59 (POWER LINE EASEMENT)

SOUTH CAROLINA CDM Smith Inc. No. C00402 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 26411 STUART F. HEALY

CDM Smith

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. ____ DATE ____
DWG. ____ DATE ____
CKD. ____ DATE ____

PLOTTED - 7/21/2016
DIRECTORY - ...\DGN\Plans\03A_Typ_Sect.dgn

CITY OF HANAHAN, SOUTH CAROLINA

CDM SMITH

CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
TYPICAL PATHWAY SECTIONS

SCALE: 1" = N/A SHEET 3A

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5

GENERAL CONSTRUCTION NOTE

THE FOLLOWING QUANTITIES ARE NOT SHOWN IN DETAIL ON THE PLANS BUT ARE INCLUDED IN THE SUMMARY OF ESTIMATED QUANTITIES AND MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

ITEM DESCRIPTION	QUANTITY	UNIT	
BORROW EXCAVATION	300	CY	AS DIRECTED BY THE ENGINEER
MAINTENANCE STONE	150	TONS	AS DIRECTED BY THE ENGINEER

TRAFFIC CONTROL INCLUSION ITEMS

ITEM DESCRIPTION	QUANTITY	UNIT
PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED) SCHEME 'D' FOR MAINLINE AND SCHEME 'E' FOR SIDEROADS (STANDARD DRAWING 605-010-01)	352	SF

UTILITY INFORMATION

NOTE: SURFACE UTILITIES SHOWN IN THE PLANS ARE FOR INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH UTILITY OWNERS TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

PRESENT RIGHT OF WAY

PRESENT RIGHT OF WAY SHOWN ON THESE PLANS WAS COMPLILED FROM FIELD SURVEYS AND RESEARCH OF PROPERTY OWNER PLATS AND DEEDS.

NOTES TO CONTRACTOR

1 ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, SOUTH CAROLINA, AND LOCAL ORDINANCES, REGULATIONS, SPECIFICATIONS AND PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL LICENSES AND PERMITS AS REQUIRED.

2 ELEVATIONS SHOWN HEREIN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE BEARINGS AND DISTANCES SHOWN HEREIN ARE GRID VALUES BASED ON THE NAD 83 (86 ADJUSTMENT) SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM.

3 ALL EXISTING DRAINAGE IS TO BE RETAINED.

4 SEE SHEET 5EC – EROSION CONTROL NOTES FOR SPECIFIC EROSION CONTROL NOTES NOT COVERED UNDER THE GENERAL CONSTRUCTION NOTES

5 REMOVAL AND RESETTING OF EXISTING STREET SIGNS TO BE INCLUDED UNDER ITEM 2031000 – UNCLASSIFIED EXCAVATION IN ACCORDANCE WITH SCDOT STANDARDS.

6 THE DETAIL SHEETS REFERENCED IN THESE PLANS ARE FROM THE SCDOT ENGLISH STANDARD DRAWINGS. THE CONTRACTOR SHALL CONSULT THE SCDOT ENGLISH STANDARD DRAWINGS LATEST EDITION TO ENSURE THE MOST UP TO DATE STANDARDS ARE BEING UTILIZED DURING CONSTRUCTION.

7 PROVISIONS SHALL BE MADE TO ENSURE POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. NATURAL DRAINAGE FEATURES DISTURBED BY CONSTRUCTION MUST BE RE-ESTABLISHED. NO PONDING DUE TO SPOILS STOCKPILING OR OTHER ACTIVITIES SHALL BE PERMITTED.

8 WORK WITHIN PUBLIC RIGHT-OF-WAY OR PRIVATE EASEMENTS SHALL BE ACCOMPLISHED BY THE CONTRACTOR ACCORDING TO THE REQUIREMENTS OR CONDITIONS OF THE ENCROACHMENT PERMIT OR OTHER LEGAL DOCUMENTS AS THOUGH DOCUMENTS WERE ISSUED IN THE CONTRACTOR'S NAME. THE CONTRACTOR SHALL MAINTAIN COPIES OF THESE DOCUMENTS ON THE SITE AT ALL TIMES.

9 THE CLEARING AND GRUBBING LIMITS SHALL INCLUDE THE ENTIRE AREA WITHIN THE CONSTRUCTION LIMITS

10 THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR REPAIRING ANY DAMAGE TO SAME. THE CONTRACTOR SHALL CONTACT ALL UTILITIES PRIOR TO BEGINNING WORK.

11 WHEN THE CONTRACTOR IS UNABLE TO COMPLETE HIS WORK AS SHOWN ON THE PLANS BECAUSE OF AN EXISTING UTILITY, THE CONTRACTOR SHALL STAKE THE LOCATION OF THE UTILITY PRIOR TO PROCEEDING AND CONTACT THE ENGINEER.

12 THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AGENCIES, THE OWNER, THE ENGINEER AND ALL OTHER CONCERNED PARTIES WHEN CONSTRUCTION IS TO COMMENCE. PRIOR TO ANY CONSTRUCTION, A PRE CONSTRUCTION MEETING SHALL BE HELD WITH THE SCDOT, BCDGOG, THE CONTRACTOR, THE ENGINEER AND ANY OTHER INTERESTED PARTY.

13 ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

14 THE CONTRACTOR IS RESPONSIBLE TO INSTALL, MAINTAIN, REPLACE AS NECESSARY, AND CLEAN SILT FENCE THROUGHOUT THE PROJECT.

15 ALL DISTURBED AREAS SHALL BE GRASSED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING. PRICE TO BE INCLUDED UNDER ITEM 8100100 – PERMANENT COVER. SHOULD CONSTRUCTION ACTIVITIES STOP IN A SPECIFIC AREA FOR AN EXTENDED PERIOD OF TIME AS DETERMINED BY THE ENGINEER ALL DISTURBED AREAS WHERE CONSTRUCTION IS BEING DELAYED SHALL BE GRASSED AND STABILIZED. PRICE TO BE INCLUDED UNDER ITEM 8100200 – TEMPORARY COVER.

SOUTH CAROLINA CDM Smith Inc. No. C00402 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 26411 STUART F. HEALY

CDM Smith

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. ____ DATE ____
DWG. ____ DATE ____
CKD. ____ DATE ____

PLOTTED – 7/20/2016
DIRECTORY – ...\05_General Note Sheet.dgn

CITY OF HANAHAN, SOUTH CAROLINA

CDM SMITH

CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
GENERAL CONSTRUCTION NOTES

SCALE: 1" = N/A | SHEET 5

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5EC

EROSION CONTROL NOTES

EROSION CONTROL NOTES

1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK CEASED, EXCEPT AS STATED BELOW.

- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS.

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS, AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

7. TEMPORARY SILT FENCE SHALL BE PLACED AT THE TOE OF ALL FILL SLOPES AND ANY OTHER LOCATIONS ALONG THE PERIMETER OF THE PROJECT LIMITS WHERE SHEET FLOW FROM DISTURBED AREAS LEAVES THE SITE.

8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

9. ALL WATERS OF THE STATE (WoS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS.

10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILE OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.

12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBINGACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.

13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.

14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.

15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).

16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:

- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
- WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
- SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

17. ANIONIC POLYACRYLAMIDE SHALL NOT BE USED ADJACENT TO NATURAL BODIES OF WATER WITHOUT THE APPROVAL OF THE ENGINEER.

18. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.

19. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC's WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.

20. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

THE FOLLOWING QUANTITIES ARE NOT SHOWN IN DETAIL ON THE PLANS BUT ARE INCLUDED IN THE SUMMARY OF ESTIMATED QUANTITIES AND MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

EROSION CONTROL ITEMS

PERMANENT COVER	0.55 ACRE	FOR ALL DISTURBED AREAS
TEMPORARY COVER	0.28 ACRE	FOR ALL DISTURBED AREAS
FERTILIZER (NITROGEN)	55 LB	FOR ALL DISTURBED AREAS
FERTILIZER (PHOSPHORIC ACID)	55 LB	FOR ALL DISTURBED AREAS
FERTILIZER (POTASH)	55 LB	FOR ALL DISTURBED AREAS
AGRICULTURAL GRANULAR LIME	1100 LB	FOR ALL DISTURBED AREAS
HECP - TYPE 1	0.55 ACRE	FOR ALL DISTURBED AREAS
PERIMETER CONTROL (SILT FENCE)	4,700 LF	FOR EROSION CONTROL
STABILIZED CONSTRUCTION ENTRANCE	550 SY	FOR EROSION CONTROL
REPAIR/REPLACE PERIMETER CONTROL (SILT FENCE)	470 LF	FOR EROSION CONTROL
REMOVAL OF SILT RETAINED BY SILT FENCE	1175 LF	FOR EROSION CONTROL
TEMPORARY EROSION CONTROL BLANKET (CLASS A)	0.46 MSY	FOR EROSION CONTROL

SEEDING SCHEDULE - TEMPORARY VEGETATION

APRIL 1 TO AUGUST 15

- BROWN TOP MILLET - 50 LBS PER ACRE
  OR /ANNUAL SUDAN GRASS - 60 LBS PER ACRE
- FERTILIZER (10-10-10) - 1000 LBS PER ACRE
- STRAW OR HAY MULCH - 2000 LBS PER ACRE

AUGUST 16 TO MARCH 31

- RYE GRAIN (DO NOT USE ANNUAL ITALIAN RYE GRASS) - 110 LBS PER ACRE
- FERTILIZER (10-10-10) - 1000 LBS PER ACRE
- STRAW OR HAY MULCH - 2000 LBS PER ACRE

SEEDING SCHEDULE - PERMANENT VEGETATION

MARCH 1 TO AUGUST 14

- COMMON BERMUDA (HULLED) - 25 LBS PER ACRE
- BROWN TOP MILLET - 10 LBS PER ACRE
- FERTILIZER (10-10-10) - 1000 LBS PER ACRE
- AGRICULTURAL LIME - 2000 LBS PER ACRE
- STRAW OR HAY MULCH - 2000 LBS PER ACRE

AUGUST 15 TO FEBRUARY 28

- COMMON BERMUDA (UNHULLED) - 30 LBS PER ACRE
- RYE GRAIN (DO NOT USE ANNUAL ITALIAN RYE GRASS) - 75 LBS PER ACRE
- FERTILIZER (10-10-10) - 1000 LBS PER ACRE
- AGRICULTURAL LIME - 2000 LBS PER ACRE
- STRAW OR HAY MULCH - 2000 LBS PER ACRE

CONSTRUCTION SEQUENCE:

1. INSTALL GRAVEL CONSTRUCTION ENTRANCE
2. INSTALL TEMPORARY SILT FENCING AND EROSION CONTROL MEASURES.
3. CLEAR AND GRUB SITE.
4. REMOVE AND STORE TOPSOIL.
5. ROUGH GRADE SITE.
6. BEGIN FINAL GRADING.
7. INSTALL TEMPORARY GRASSING AND SITE STABILIZATION AND MAINTAIN ALL EROSION CONTROL MEASURES.
8. BEGIN FINAL SITE PAVING, LANDSCAPING, AND GRASSING.
9. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
10. INSTALL SIGNS AND PAVEMENT MARKINGS.

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
PROFESSIONAL ENGINEER
No.14265811
ZACHARY J. SHEHAN

CDM Smith

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. ____ DATE ____
DWG. ____ DATE ____
CKD. ____ DATE ____

PLOTTED - 7/21/2016
DIRECTORY - ...\DGN\Plans\05EC_Note Sheet.dgn

CITY OF HANAHAN, SOUTH CAROLINA

CDM SMITH

CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
EROSION CONTROL NOTES

SCALE: 1" = N/A | SHEET 5EC

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5A

Chain PATH1 contains:
CUR PATH1-1 CUR PATH1-2 CUR PATH1-3 CUR PATH1-4 CUR PATH1-5

Beginning chain PATH1 description
==========

Curve Data

Curve PATH1-1
P.I. Station 10+10.09 N 401,787.4296 E 2,306,231.9076
Delta = 0^ 51' 57.55" (RT)
Degree = 4^ 17' 27.36"
Tangent = 10.0911
Length = 20.1818
Radius = 1,335.2755
External = 0.0381
Long Chord = 20.1816
Mid. Ord. = 0.0381
P.C. Station 10+00.00 N 401,784.3795 E 2,306,241.5266
P.T. Station 10+20.18 N 401,790.6248 E 2,306,222.3357
C.C. N 403,057.1987 E 2,306,645.1253
Back = N 72^ 24' 24.05" W
Ahead = N 71^ 32' 26.50" W
Chord Bear = N 71^ 58' 25.28" W

Curve Data

Curve PATH1-2
P.I. Station 11+20.27 N 401,822.8302 E 2,306,127.5754
Delta = 9^ 45' 03.60" (RT)
Degree = 4^ 52' 59.61"
Tangent = 100.0835
Length = 199.6836
Radius = 1,173.3182
External = 4.2608
Long Chord = 199.4427
Mid. Ord. = 4.2454
P.C. Station 10+20.18 N 401,790.6248 E 2,306,222.3357
P.T. Station 12+19.87 N 401,870.6196 E 2,306,039.6387
C.C. N 402,901.5371 E 2,306,599.8929
Back = N 71^ 13' 44.54" W
Ahead = N 61^ 28' 40.94" W
Chord Bear = N 66^ 21' 12.74" W

Curve Data

Curve PATH1-3
P.I. Station 12+70.40 N 401,894.7509 E 2,305,995.2349
Delta = 4^ 59' 54.15" (RT)
Degree = 4^ 56' 54.16"
Tangent = 50.5372
Length = 101.0104
Radius = 1,157.8702
External = 1.1024
Long Chord = 100.9784
Mid. Ord. = 1.1013
P.C. Station 12+19.87 N 401,870.6196 E 2,306,039.6387
P.T. Station 13+20.88 N 401,922.6593 E 2,305,953.1025
C.C. N 402,887.9639 E 2,306,592.5166
Back = N 61^ 28' 40.94" W
Ahead = N 56^ 28' 46.80" W
Chord Bear = N 58^ 58' 43.87" W

Curve Data

Curve PATH1-4
P.I. Station 13+32.56 N 401,929.1144 E 2,305,943.3574
Delta = 64^ 14' 14.80" (RT)
Degree = 307^ 42' 02.21"
Tangent = 11.6892
Length = 20.8766
Radius = 18.6206
External = 3.3649
Long Chord = 19.8003
Mid. Ord. = 2.8499
P.C. Station 13+20.88 N 401,922.6593 E 2,305,953.1025
P.T. Station 13+41.75 N 401,940.6966 E 2,305,944.9353
C.C. N 401,938.1831 E 2,305,963.3855
Back = N 56^ 28' 46.80" W
Ahead = N 7^ 45' 28.00" E
Chord Bear = N 24^ 21' 39.40" W

Curve Data

Curve PATH1-5
P.I. Station 13+51.10 N 401,949.9545 E 2,305,946.1965
Delta = 32^ 15' 24.06" (RT)
Degree = 177^ 19' 34.31"
Tangent = 9.3434
Length = 18.1906
Radius = 32.3110
External = 1.3238
Long Chord = 17.9513
Mid. Ord. = 1.2717
P.C. Station 13+41.75 N 401,940.6966 E 2,305,944.9353
P.T. Station 13+59.94 N 401,957.1104 E 2,305,952.2041
C.C. N 401,936.3351 E 2,305,976.9505
Back = N 7^ 45' 28.00" E
Ahead = N 40^ 00' 52.07" E
Chord Bear = N 23^ 53' 10.03" E

==========
Ending chain PATH1 description

Chain PATH2 contains:
PATH200 CUR PATH2-1 CUR PATH2-2 CUR PATH2-3 CUR PATH2-4 CUR PATH2-5 CUR PATH2-6 CUR PATH2-7 CUR PATH2-8

Beginning chain PATH2 description
==========

Point PATH200 N 401,977.4829 E 2,305,932.3488 Sta 20+00.00

Course from PATH200 to PC PATH2-1 S 34^ 02' 33.47" W Dist 9.2577

Curve Data

Curve PATH2-1
P.I. Station 20+35.93 N 401,947.7137 E 2,305,912.2369
Delta = 93^ 41' 57.23" (RT)
Degree = 229^ 10' 59.22"
Tangent = 26.6685
Length = 40.8840
Radius = 25.0000
External = 11.5542
Long Chord = 36.4781
Mid. Ord. = 7.9021
P.C. Station 20+09.26 N 401,969.8118 E 2,305,927.1662
P.T. Station 20+50.14 N 401,964.0376 E 2,305,891.1481
C.C. N 401,983.8071 E 2,305,906.4507
Back = S 34^ 02' 33.47" W
Ahead = N 52^ 15' 29.30" W
Chord Bear = S 80^ 53' 32.08" W

Course from PT PATH2-1 to PC PATH2-2 N 52^ 15' 29.30" W Dist 22.0253

Curve Data

Curve PATH2-2
P.I. Station 21+13.49 N 402,002.8152 E 2,305,841.0514
Delta = 22^ 28' 28.80" (RT)
Degree = 27^ 32' 45.77"
Tangent = 41.3260
Length = 81.5894
Radius = 208.0000
External = 4.0656
Long Chord = 81.0674
Mid. Ord. = 3.9877
P.C. Station 20+72.17 N 401,977.5194 E 2,305,873.7310
P.T. Station 21+53.76 N 402,038.6824 E 2,305,820.5238
C.C. N 402,142.0009 E 2,306,001.0489
Back = N 52^ 15' 29.30" W
Ahead = N 29^ 47' 00.50" W
Chord Bear = N 41^ 01' 14.90" W

Curve Data

Curve PATH2-3
P.I. Station 21+79.66 N 402,061.1676 E 2,305,807.6551
Delta = 14^ 45' 41.71" (LT)
Degree = 28^ 38' 52.40"
Tangent = 25.9073
Length = 51.5277
Radius = 200.0000
External = 1.6710
Long Chord = 51.3853
Mid. Ord. = 1.6571
P.C. Station 21+53.76 N 402,038.6824 E 2,305,820.5238
P.T. Station 22+05.28 N 402,079.6317 E 2,305,789.4819
C.C. N 401,939.3377 E 2,305,646.9421
Back = N 29^ 47' 00.50" W
Ahead = N 44^ 32' 42.21" W
Chord Bear = N 37^ 09' 51.36" W

Curve Data

Curve PATH2-4
P.I. Station 24+57.10 N 402,259.1038 E 2,305,612.8375
Delta = 23^ 07' 10.40" (RT)
Degree = 4^ 39' 13.69"
Tangent = 251.8203
Length = 496.7884
Radius = 1,231.1603
External = 25.4897
Long Chord = 493.4249
Mid. Ord. = 24.9726
P.C. Station 22+05.28 N 402,079.6317 E 2,305,789.4819
P.T. Station 27+02.07 N 402,493.5216 E 2,305,520.8497
C.C. N 402,943.2536 E 2,306,666.9286
Back = N 44^ 32' 42.21" W
Ahead = N 21^ 25' 31.82" W
Chord Bear = N 32^ 59' 07.01" W

Course from PT PATH2-4 to PC PATH2-5 N 21^ 25' 31.82" W Dist 365.3561

Curve Data

Curve PATH2-5
P.I. Station 31+01.37 N 402,865.2268 E 2,305,374.9892
Delta = 19^ 15' 52.24" (LT)
Degree = 28^ 38' 52.40"
Tangent = 33.9433
Length = 67.2458
Radius = 200.0000
External = 2.8599
Long Chord = 66.9295
Mid. Ord. = 2.8196
P.C. Station 30+67.43 N 402,833.6292 E 2,305,387.3884
P.T. Station 31+34.67 N 402,890.9642 E 2,305,352.8593
C.C. N 402,760.5710 E 2,305,201.2097
Back = N 21^ 25' 31.82" W
Ahead = N 40^ 41' 24.05" W
Chord Bear = N 31^ 03' 27.93" W

Curve Data

Curve PATH2-6
P.I. Station 31+70.16 N 402,917.8733 E 2,305,329.7220
Delta = 19^ 11' 02.13" (RT)
Degree = 27^ 17' 01.34"
Tangent = 35.4885
Length = 70.3128
Radius = 210.0000
External = 2.9775
Long Chord = 69.9848
Mid. Ord. = 2.9359
P.C. Station 31+34.67 N 402,890.9642 E 2,305,352.8593
P.T. Station 32+04.99 N 402,950.8911 E 2,305,316.7119
C.C. N 403,027.8771 E 2,305,512.0914
Back = N 40^ 41' 24.05" W
Ahead = N 21^ 30' 21.93" W
Chord Bear = N 31^ 05' 52.99" W

Course from PT PATH2-6 to PC PATH2-7 N 21^ 30' 21.93" W Dist 32.2264

Curve Data

Curve PATH2-7
P.I. Station 32+54.20 N 402,996.6812 E 2,305,298.6691
Delta = 75^ 21' 22.75" (RT)
Degree = 260^ 26' 07.30"
Tangent = 16.9901
Length = 28.9347
Radius = 22.0000
External = 5.7969
Long Chord = 26.8939
Mid. Ord. = 4.5880
P.C. Station 32+37.21 N 402,980.8739 E 2,305,304.8976
P.T. Station 32+66.15 N 403,006.7036 E 2,305,312.3882
C.C. N 402,988.9391 E 2,305,325.3660
Back = N 21^ 30' 21.93" W
Ahead = N 53^ 51' 00.82" E
Chord Bear = N 16^ 10' 19.45" E

Curve Data

Curve PATH2-8
P.I. Station 32+70.80 N 403,009.4494 E 2,305,316.1468
Delta = 15^ 09' 03.00" (RT)
Degree = 163^ 42' 08.05"
Tangent = 4.6547
Length = 9.2551
Radius = 35.0000
External = 0.3082
Long Chord = 9.2282
Mid. Ord. = 0.3055
P.C. Station 32+66.15 N 403,006.7036 E 2,305,312.3882
P.T. Station 32+75.40 N 403,011.1174 E 2,305,320.4924
C.C. N 402,978.4419 E 2,305,333.0346
Back = N 53^ 51' 00.82" E
Ahead = N 69^ 00' 03.82" E
Chord Bear = N 61^ 25' 32.32" E

==========
Ending chain PATH2 description

CDM Smith

SOUTH CAROLINA CDM Smith Inc. No. C00402 CERTIFICATE OF AUTHORIZATION

REGISTERED SOUTH CAROLINA PROFESSIONAL ENGINEER No. 26411 STUART F. HEALY

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. ____ DATE ____
DWG. ____ DATE ____
CKD. ____ DATE ____

PLOTTED - 7/20/2016
DIRECTORY - ...\Plans\05A_Reference Sheet.dgn

CITY OF HANAHAN, SOUTH CAROLINA

CDM SMITH

CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
REFERENCE DATA SHEET

SCALE: NTS SHEET 5A

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5B

Chain PATH3 contains:
CUR PATH3-1 CUR PATH3-2 CUR PATH3-3 CUR PATH3-4 CUR PATH3-5 CUR PATH3-6 CUR PATH3-7 CUR PATH3-8 CUR PATH3-9 CUR PATH3-10

Beginning chain PATH3 description
==========

Curve Data

Curve PATH3-1
P.I. Station 40+10.13 N 403,034.8173 E 2,305,305.8589
Delta = 32^ 17' 41.23" (RT)
Degree = 163^ 42' 08.02"
Tangent = 10.1336
Length = 19.7278
Radius = 35.0000
External = 1.4375
Long Chord = 19.4676
Mid. Ord. = 1.3808
P.C. Station 40+00.00 N 403,039.0364 E 2,305,315.0724
P.T. Station 40+19.73 N 403,036.1733 E 2,305,295.8164
C.C. N 403,070.8585 E 2,305,300.5000
Back = S 65^ 23' 43.61" W
Ahead = N 82^ 18' 35.16" W
Chord Bear = S 81^ 32' 34.23" W

Curve Data

Curve PATH3-2
P.I. Station 40+33.15 N 403,037.9693 E 2,305,282.5158
Delta = 60^ 31' 48.86" (RT)
Degree = 249^ 06' 43.51"
Tangent = 13.4213
Length = 24.2984
Radius = 23.0000
External = 3.6295
Long Chord = 23.1841
Mid. Ord. = 3.1348
P.C. Station 40+19.73 N 403,036.1733 E 2,305,295.8164
P.T. Station 40+44.03 N 403,050.4326 E 2,305,277.5360
C.C. N 403,058.9665 E 2,305,298.8942
Back = N 82^ 18' 35.16" W
Ahead = N 21^ 46' 46.30" W
Chord Bear = N 52^ 02' 40.73" W

Curve Data

Curve PATH3-3
P.I. Station 40+72.87 N 403,077.2185 E 2,305,266.8335
Delta = 15^ 38' 31.29" (RT)
Degree = 27^ 17' 01.34"
Tangent = 28.8449
Length = 57.3310
Radius = 210.0000
External = 1.9718
Long Chord = 57.1531
Mid. Ord. = 1.9534
P.C. Station 40+44.03 N 403,050.4326 E 2,305,277.5360
P.T. Station 41+01.36 N 403,105.8981 E 2,305,263.7496
C.C. N 403,128.3502 E 2,305,472.5459
Back = N 21^ 46' 46.30" W
Ahead = N 6^ 08' 15.01" W
Chord Bear = N 13^ 57' 30.66" W

Course from PT PATH3-3 to PC PATH3-4 N 6^ 08' 15.01" W Dist 3.9353

Curve Data

Curve PATH3-4
P.I. Station 41+42.31 N 403,146.6181 E 2,305,259.3709
Delta = 20^ 58' 23.62" (LT)
Degree = 28^ 38' 52.40"
Tangent = 37.0195
Length = 73.2104
Radius = 200.0000
External = 3.3973
Long Chord = 72.8023
Mid. Ord. = 3.3405
P.C. Station 41+05.29 N 403,109.8108 E 2,305,263.3288
P.T. Station 41+78.50 N 403,179.5702 E 2,305,242.5007
C.C. N 403,088.4278 E 2,305,064.4752
Back = N 6^ 08' 15.01" W
Ahead = N 27^ 06' 38.63" W
Chord Bear = N 16^ 37' 26.82" W

Curve Data

Curve PATH3-5
P.I. Station 42+77.15 N 403,267.3788 E 2,305,197.5460
Delta = 25^ 13' 00.68" (LT)
Degree = 12^ 59' 30.20"
Tangent = 98.6472
Length = 194.0994
Radius = 441.0175
External = 10.8981
Long Chord = 192.5366
Mid. Ord. = 10.6353
P.C. Station 41+78.50 N 403,179.5702 E 2,305,242.5007
P.T. Station 43+72.60 N 403,327.6666 E 2,305,119.4650
C.C. N 402,978.5933 E 2,304,849.9389
Back = N 27^ 06' 38.63" W
Ahead = N 52^ 19' 39.31" W
Chord Bear = N 39^ 43' 08.97" W

Curve Data

Curve PATH3-6
P.I. Station 44+19.54 N 403,356.3520 E 2,305,082.3135
Delta = 26^ 24' 53.60" (LT)
Degree = 28^ 38' 52.40"
Tangent = 46.9370
Length = 92.2054
Radius = 200.0000
External = 5.4339
Long Chord = 91.3910
Mid. Ord. = 5.2902
P.C. Station 43+72.60 N 403,327.6666 E 2,305,119.4650
P.T. Station 44+64.81 N 403,365.5150 E 2,305,036.2796
C.C. N 403,169.3630 E 2,304,997.2358
Back = N 52^ 19' 39.31" W
Ahead = N 78^ 44' 32.92" W
Chord Bear = N 65^ 32' 06.12" W

Course from PT PATH3-6 to PC PATH3-7 N 78^ 44' 32.92" W Dist 2.2012

Curve Data

Curve PATH3-7
P.I. Station 44+84.79 N 403,369.4162 E 2,305,016.6804
Delta = 9^ 40' 49.29" (RT)
Degree = 27^ 17' 01.34"
Tangent = 17.7825
Length = 35.4804
Radius = 210.0000
External = 0.7516
Long Chord = 35.4382
Mid. Ord. = 0.7489
P.C. Station 44+67.01 N 403,365.9447 E 2,305,034.1207
P.T. Station 45+02.49 N 403,375.7708 E 2,305,000.0721
C.C. N 403,571.9042 E 2,305,075.1168
Back = N 78^ 44' 32.92" W
Ahead = N 69^ 03' 43.63" W
Chord Bear = N 73^ 54' 08.27" W

Curve Data

Curve PATH3-8
P.I. Station 45+09.92 N 403,378.4269 E 2,304,993.1304
Delta = 1^ 50' 40.87" (LT)
Degree = 12^ 24' 38.49"
Tangent = 7.4325
Length = 14.8637
Radius = 461.6647
External = 0.0598
Long Chord = 14.8630
Mid. Ord. = 0.0598
P.C. Station 45+02.49 N 403,375.7708 E 2,305,000.0721
P.T. Station 45+17.35 N 403,380.8581 E 2,304,986.1068
C.C. N 402,944.5906 E 2,304,835.0936
Back = N 69^ 03' 43.63" W
Ahead = N 70^ 54' 24.49" W
Chord Bear = N 69^ 59' 04.06" W

Course from PT PATH3-8 to PC PATH3-9 N 72^ 39' 24.30" W Dist 22.9875

Curve Data

Curve PATH3-9
P.I. Station 45+58.38 N 403,393.0894 E 2,304,946.9407
Delta = 71^ 38' 25.61" (RT)
Degree = 229^ 10' 59.22"
Tangent = 18.0440
Length = 31.2590
Radius = 25.0000
External = 5.8316
Long Chord = 29.2622
Mid. Ord. = 4.7286
P.C. Station 45+40.34 N 403,387.7106 E 2,304,964.1644
P.T. Station 45+71.60 N 403,411.1305 E 2,304,946.6207
C.C. N 403,411.5740 E 2,304,971.6168
Back = N 72^ 39' 24.30" W
Ahead = N 1^ 00' 58.68" W
Chord Bear = N 36^ 50' 11.49" W

Curve Data

Curve PATH3-10
P.I. Station 45+75.28 N 403,414.8099 E 2,304,946.6757
Delta = 10^ 46' 48.58" (RT)
Degree = 146^ 54' 44.12"
Tangent = 3.6798
Length = 7.3378
Radius = 39.0000
External = 0.1732
Long Chord = 7.3270
Mid. Ord. = 0.1724
P.C. Station 45+71.60 N 403,411.1305 E 2,304,946.6207
P.T. Station 45+78.94 N 403,418.4140 E 2,304,947.4180
C.C. N 403,410.5470 E 2,304,985.6163
Back = N 0^ 51' 26.56" E
Ahead = N 11^ 38' 15.14" E
Chord Bear = N 6^ 14' 50.85" E

==========
Ending chain PATH3 description

Chain PATH4 contains:
PATH400 CUR PATH4-1 CUR PATH4-2 CUR PATH4-3 CUR PATH4-4 CUR PATH4-5 CUR PATH4-6 CUR PATH4-7 CUR PATH4-8 CUR PATH4-9 CUR PATH4-10 CUR PATH4-11 CUR PATH4-12 CUR PATH4-13 CUR PATH4-14 CUR PATH4-15 CUR PATH4-16 CUR PATH4-17 CUR PATH4-18 CUR PATH4-19 PATH401

Beginning chain PATH4 description
==========

Point PATH400 N 403,403.2069 E 2,304,890.8234 Sta 50+00.00

Course from PATH400 to PC PATH4-1 S 86^ 22' 16.57" E Dist 4.9069

Curve Data

Curve PATH4-1
P.I. Station 50+25.76 N 403,401.5765 E 2,304,916.5335
Delta = 79^ 40' 09.78" (LT)
Degree = 229^ 10' 59.22"
Tangent = 20.8549
Length = 34.7623
Radius = 25.0000
External = 7.5565
Long Chord = 32.0287
Mid. Ord. = 5.8026
P.C. Station 50+04.91 N 403,402.8964 E 2,304,895.7204
P.T. Station 50+39.67 N 403,421.8154 E 2,304,921.5644
C.C. N 403,427.8463 E 2,304,897.3027
Back = S 86^ 22' 16.57" E
Ahead = N 13^ 57' 33.66" E
Chord Bear = N 53^ 47' 38.55" E

Curve Data

Curve PATH4-2
P.I. Station 50+60.53 N 403,442.0602 E 2,304,926.5967
Delta = 11^ 27' 15.74" (LT)
Degree = 27^ 32' 45.77"
Tangent = 20.8608
Length = 41.5826
Radius = 208.0000
External = 1.0435
Long Chord = 41.5134
Mid. Ord. = 1.0383
P.C. Station 50+39.67 N 403,421.8154 E 2,304,921.5644
P.T. Station 50+81.25 N 403,462.9011 E 2,304,927.5085
C.C. N 403,471.9920 E 2,304,719.7072
Back = N 13^ 57' 33.66" E
Ahead = N 2^ 30' 17.92" E
Chord Bear = N 8^ 13' 55.79" E

Course from PT PATH4-2 to PC PATH4-3 N 2^ 30' 17.92" E Dist 238.5879

Curve Data

Curve PATH4-3
P.I. Station 53+64.45 N 403,745.8246 E 2,304,939.8858
Delta = 23^ 59' 02.42" (LT)
Degree = 27^ 17' 01.34"
Tangent = 44.6062
Length = 87.9060
Radius = 210.0000
External = 4.6852
Long Chord = 87.2656
Mid. Ord. = 4.5829
P.C. Station 53+19.84 N 403,701.2610 E 2,304,937.9362
P.T. Station 54+07.75 N 403,787.3330 E 2,304,923.5527
C.C. N 403,710.4392 E 2,304,728.1369
Back = N 2^ 30' 17.92" E
Ahead = N 21^ 28' 44.50" W
Chord Bear = N 9^ 29' 13.29" W

Course from PT PATH4-3 to PC PATH4-4 N 21^ 28' 44.50" W Dist 109.5381

Curve Data

Curve PATH4-4
P.I. Station 55+41.05 N 403,911.3756 E 2,304,874.7435
Delta = 12^ 54' 40.79" (LT)
Degree = 27^ 17' 01.34"
Tangent = 23.7619
Length = 47.3225
Radius = 210.0000
External = 1.3401
Long Chord = 47.2224
Mid. Ord. = 1.3316
P.C. Station 55+17.28 N 403,889.2639 E 2,304,883.4442
P.T. Station 55+64.61 N 403,930.9841 E 2,304,861.3221
C.C. N 403,812.3702 E 2,304,688.0283
Back = N 21^ 28' 44.50" W
Ahead = N 34^ 23' 25.29" W
Chord Bear = N 27^ 56' 04.90" W

Course from PT PATH4-4 to PC PATH4-5 N 34^ 23' 25.29" W Dist 115.1672

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 26411 REGISTERED STUART F. HEALY

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CITY OF HANAHAN, SOUTH CAROLINA

CDM SMITH

CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
REFERENCE DATA SHEET

SCALE: NTS SHEET 5B

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5C

Curve Data
————

Curve PATH4-5
P.I. Station 57+02.61 N 404,044.8673 E 2,304,783.3728
Delta = 13^ 01' 43.81" (RT)
Degree = 28^ 38' 52.40"
Tangent = 22.8381
Length = 45.4792
Radius = 200.0000
External = 1.2997
Long Chord = 45.3813
Mid. Ord. = 1.2913
P.C. Station 56+79.77 N 404,026.0211 E 2,304,796.2724
P.T. Station 57+25.25 N 404,066.1364 E 2,304,775.0540
C.C. N 404,138.9867 E 2,304,961.3141
Back = N 34^ 23' 25.29" W
Ahead = N 21^ 21' 41.48" W
Chord Bear = N 27^ 52' 33.38" W

Course from PT PATH4-5 to PC PATH4-6 N 21^ 21' 41.48" W Dist 118.1230

Curve Data
————

Curve PATH4-6
P.I. Station 58+72.48 N 404,203.2455 E 2,304,721.4277
Delta = 16^ 33' 25.29" (RT)
Degree = 28^ 38' 52.40"
Tangent = 29.1002
Length = 57.7949
Radius = 200.0000
External = 2.1060
Long Chord = 57.5940
Mid. Ord. = 2.0840
P.C. Station 58+43.38 N 404,176.1444 E 2,304,732.0276
P.T. Station 59+01.17 N 404,232.2435 E 2,304,718.9904
C.C. N 404,248.9947 E 2,304,918.2877
Back = N 21^ 21' 41.48" W
Ahead = N 4^ 48' 16.19" W
Chord Bear = N 13^ 04' 58.83" W

Curve Data
————

Curve PATH4-7
P.I. Station 59+31.73 N 404,262.6914 E 2,304,716.4312
Delta = 16^ 33' 25.29" (LT)
Degree = 27^ 17' 01.34"
Tangent = 30.5553
Length = 60.6847
Radius = 210.0000
External = 2.2113
Long Chord = 60.4737
Mid. Ord. = 2.1882
P.C. Station 59+01.17 N 404,232.2435 E 2,304,718.9904
P.T. Station 59+61.86 N 404,291.1475 E 2,304,705.3014
C.C. N 404,214.6547 E 2,304,509.7283
Back = N 4^ 48' 16.19" W
Ahead = N 21^ 21' 41.48" W
Chord Bear = N 13^ 04' 58.83" W

Course from PT PATH4-7 to PC PATH4-8 N 21^ 21' 41.48" W Dist 599.2439

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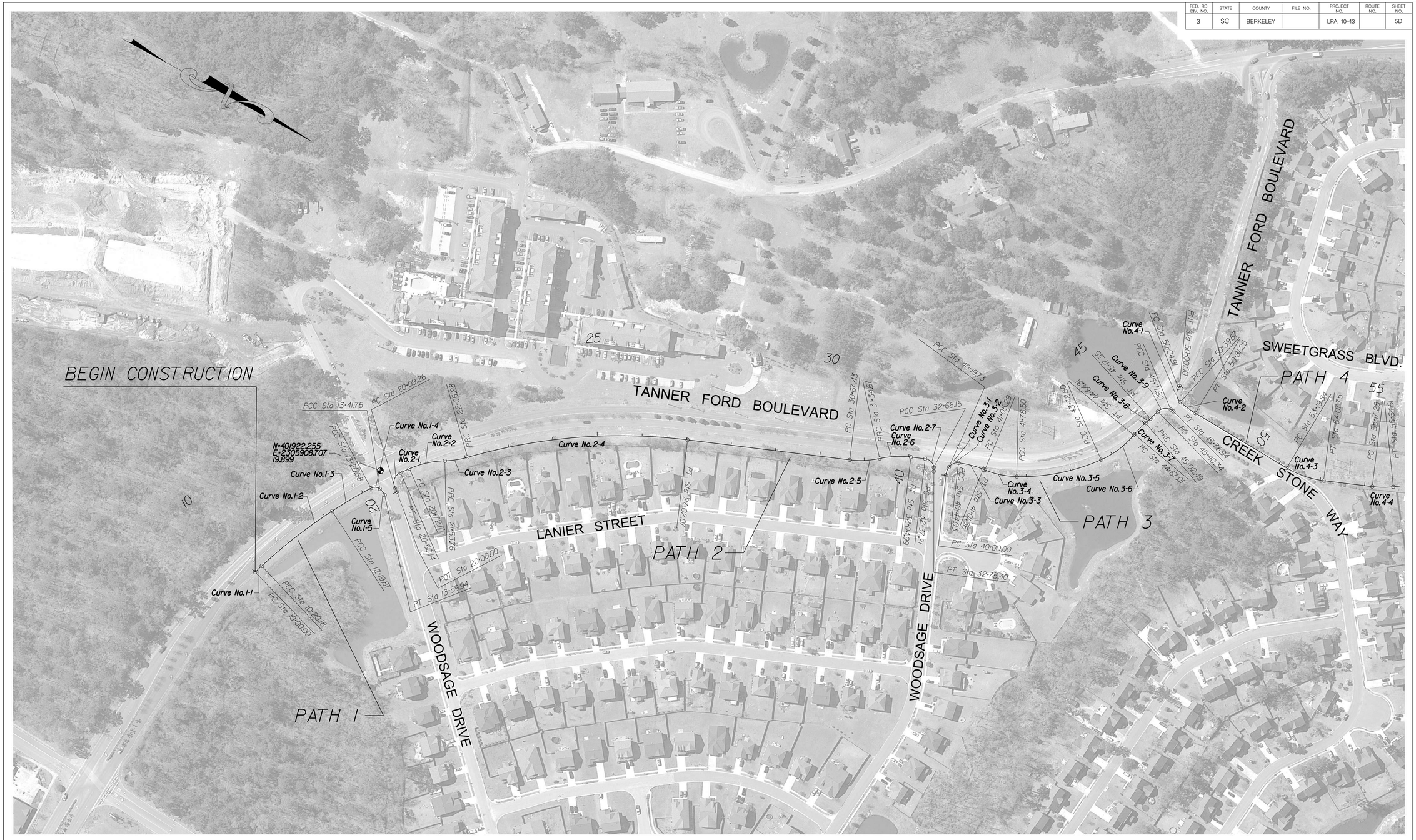
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
REFERENCE DATA SHEET

SCALE: NTS SHEET 5C

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5D



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CITY OF HANAHAN, SOUTH CAROLINA

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CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
GEOMETRIC LAYOUT SHEET

SCALE: 1" = 100' SHEET 5D

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5E

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CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
GEOMETRIC LAYOUT SHEET

SCALE: 1" = 100' SHEET 5E

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		5F

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CITY OF HANAHAN, SOUTH CAROLINA

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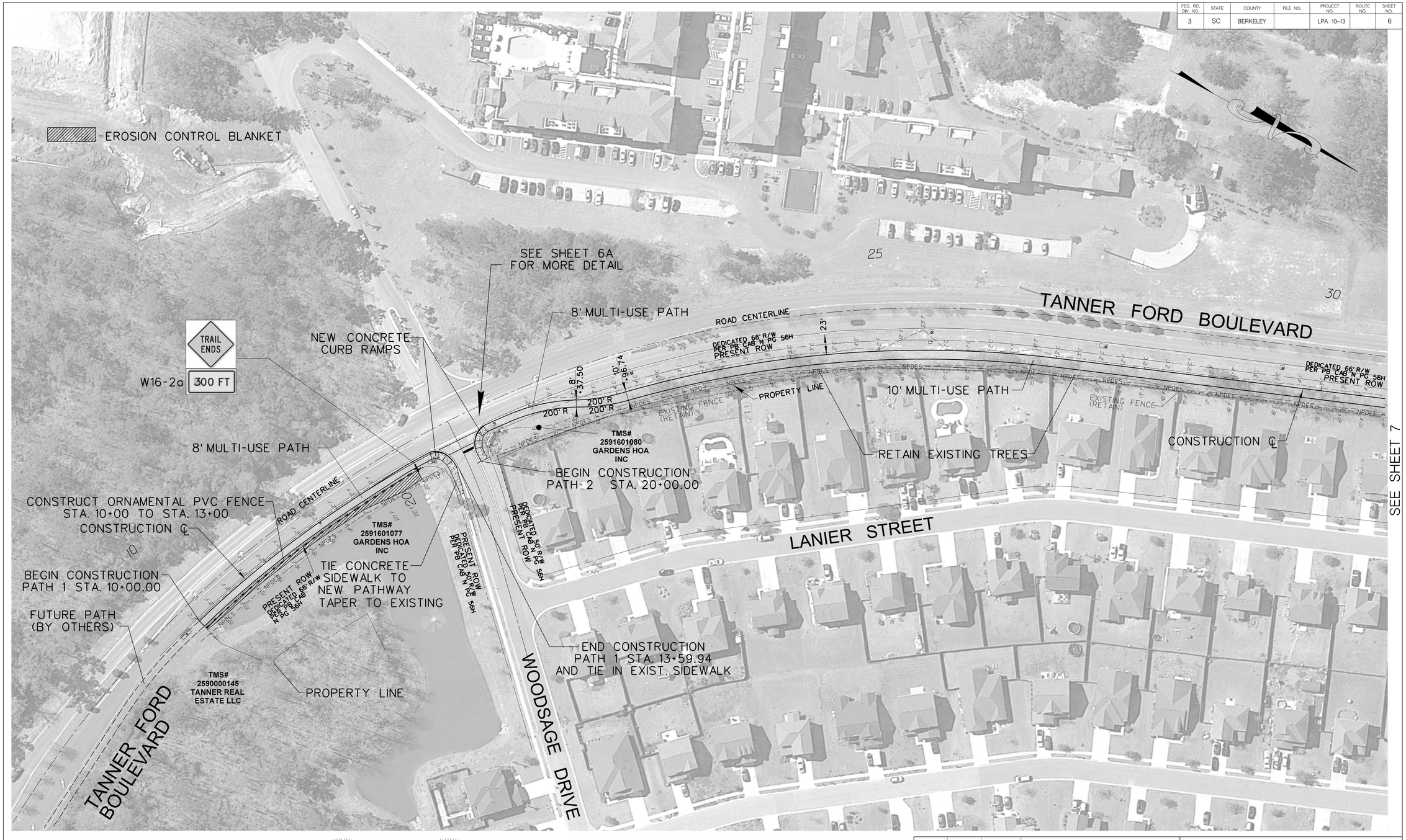
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET INDEX

SCALE: 1" = 200'

SHEET 5F

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		6



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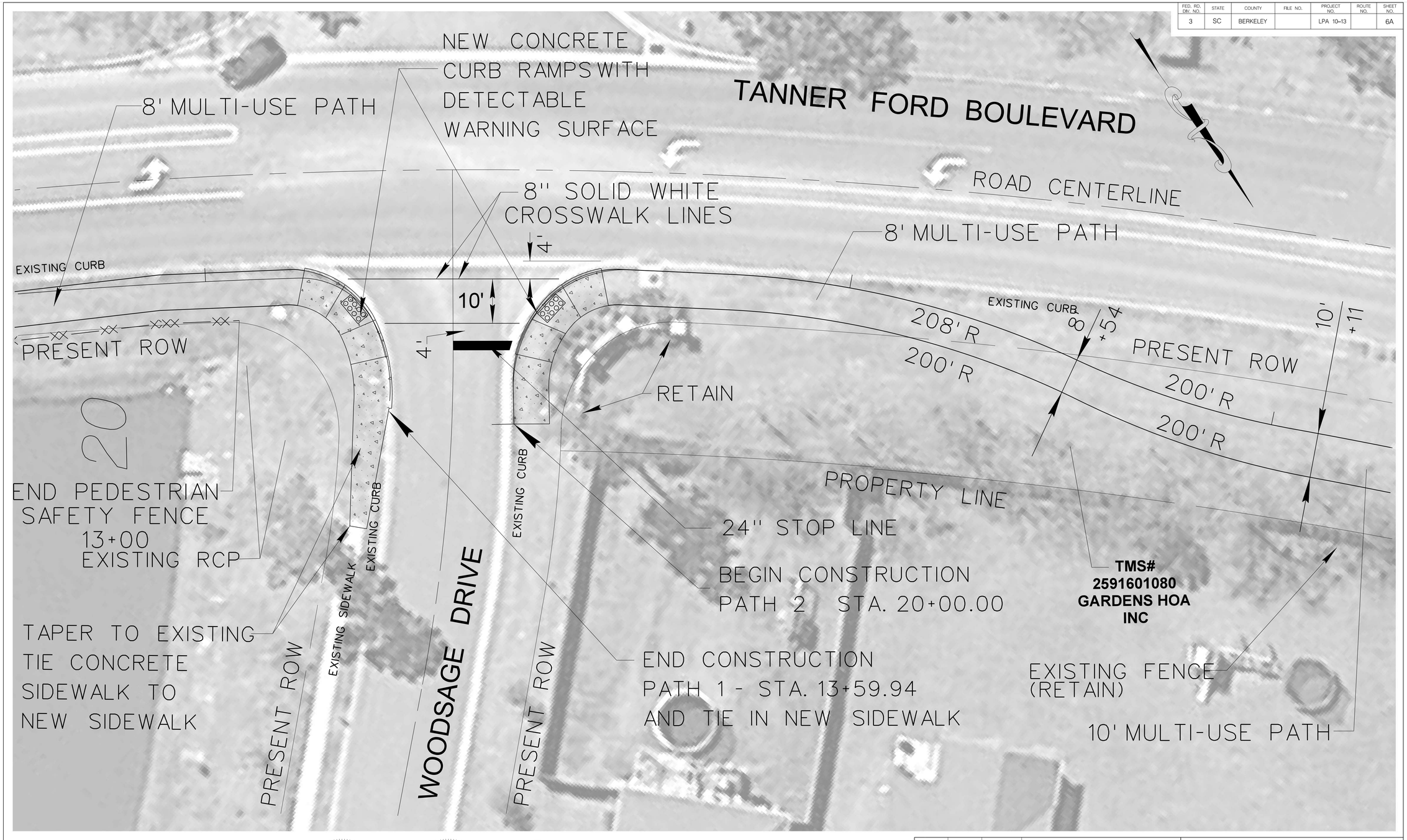
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET

SCALE: 1" = 50' SHEET 6

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		6A



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CITY OF HANAHAN, SOUTH CAROLINA

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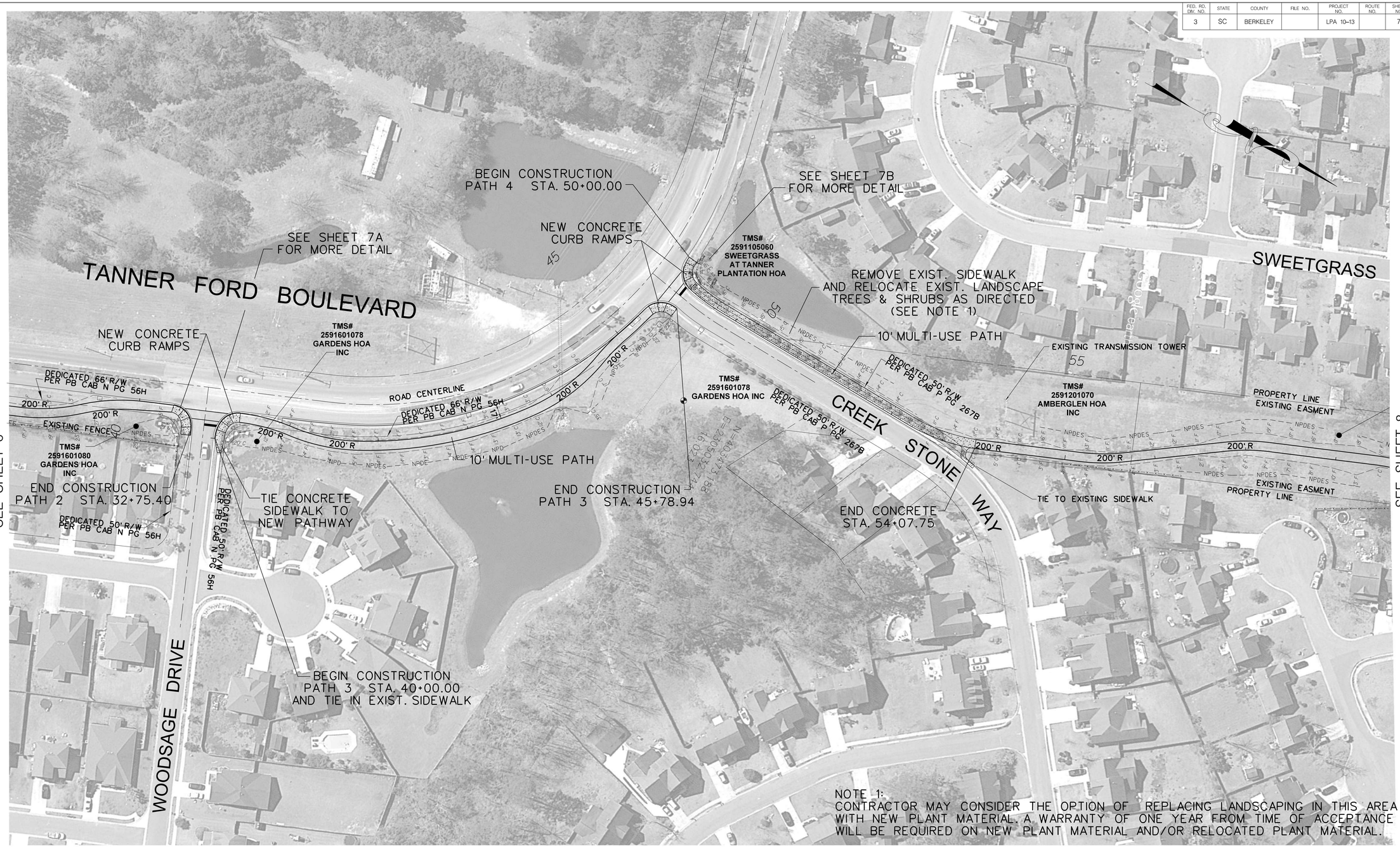
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET

SCALE: 1" = 10' SHEET 6A

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		7



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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CITY OF HANAHAN, SOUTH CAROLINA

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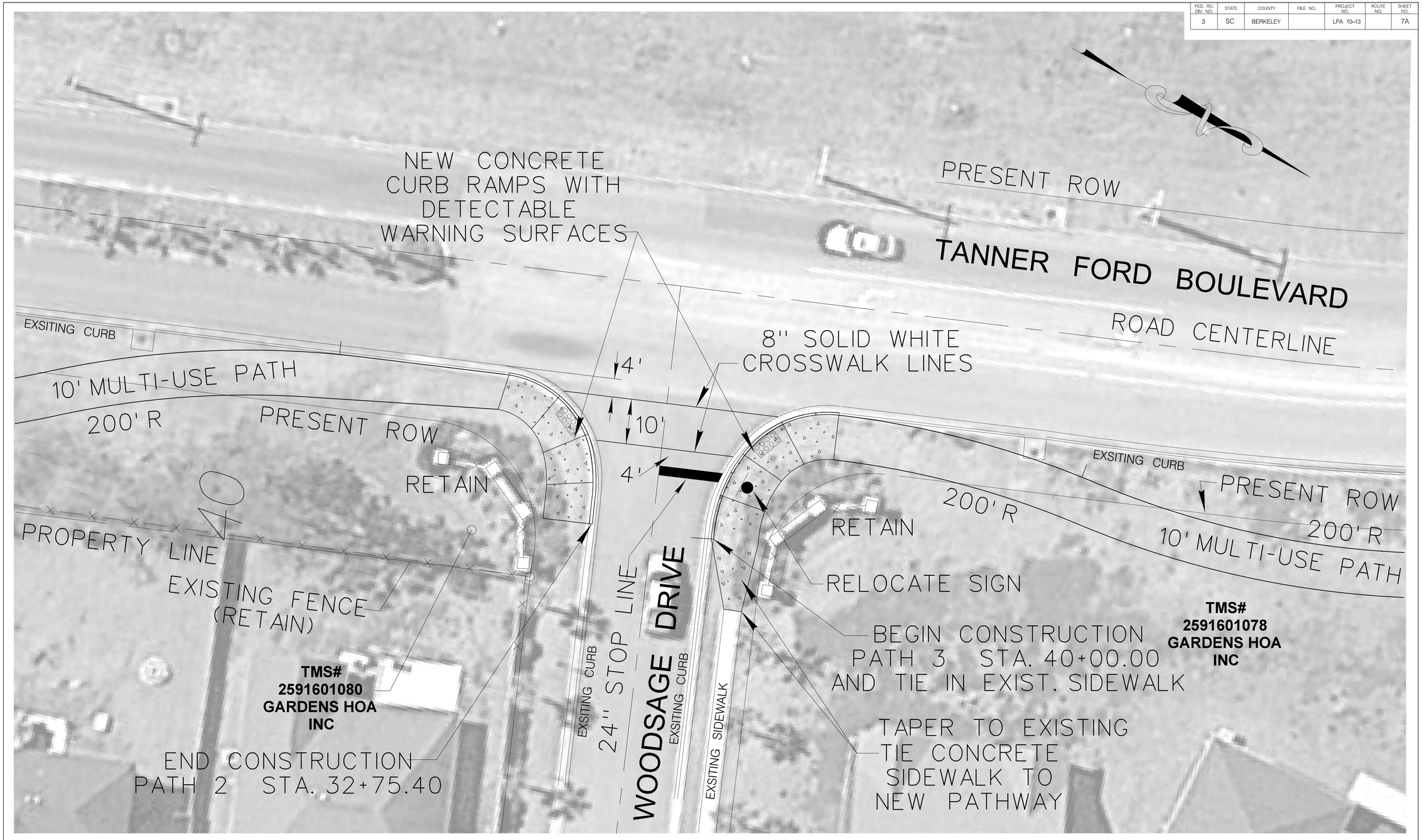
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET 2

SCALE: 1" = 50' | SHEET 7

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		7A



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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DIRECTORY – ...\DGN\Plans\07_Plan sheet_2A.dgn

CITY OF HANAHAN, SOUTH CAROLINA

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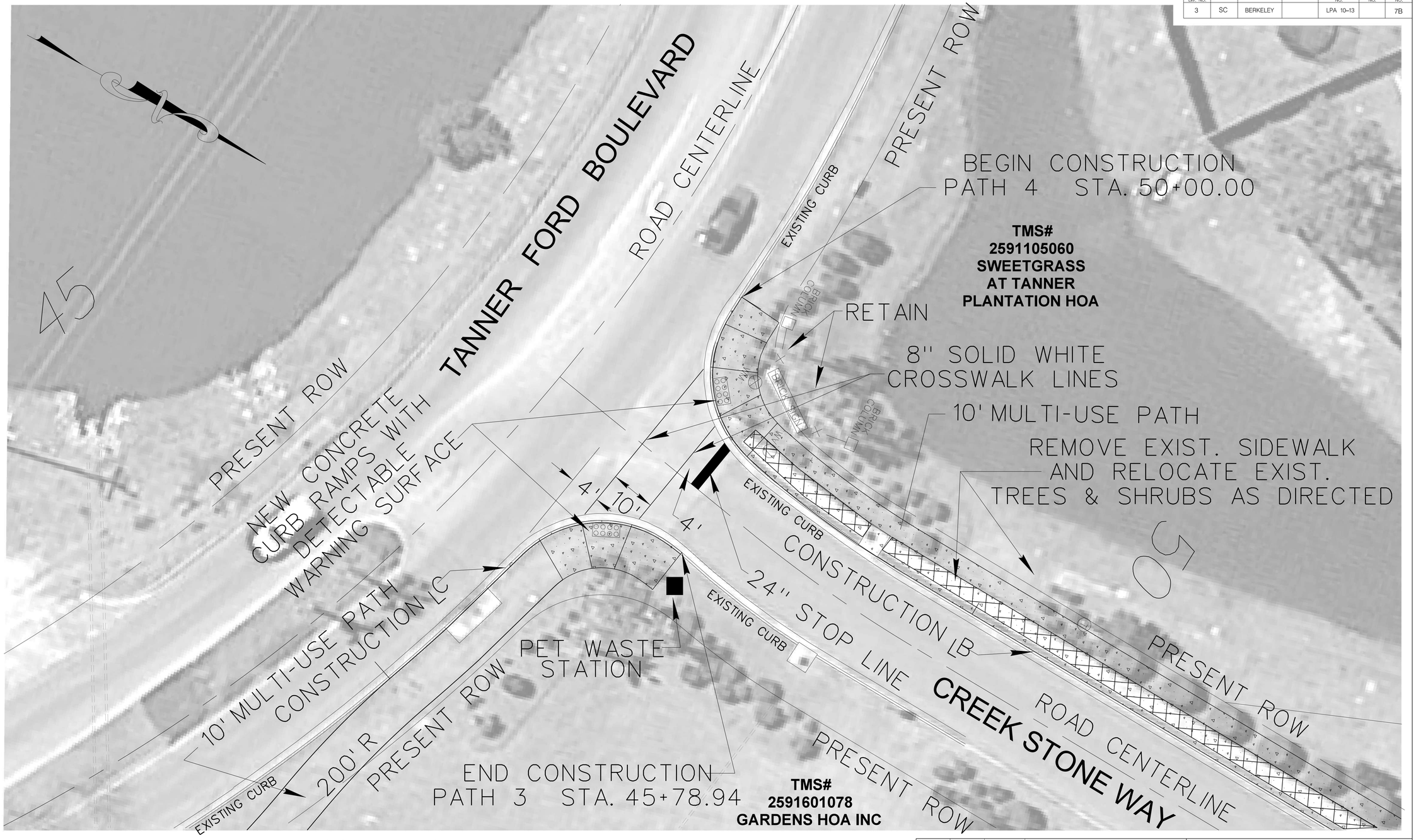
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET

SCALE: 1" = 10' SHEET 7A

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		7B



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CITY OF HANAHAN, SOUTH CAROLINA

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COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET

SCALE: 1" = 10'

SHEET 7B

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		8

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CITY OF HANAHAN, SOUTH CAROLINA

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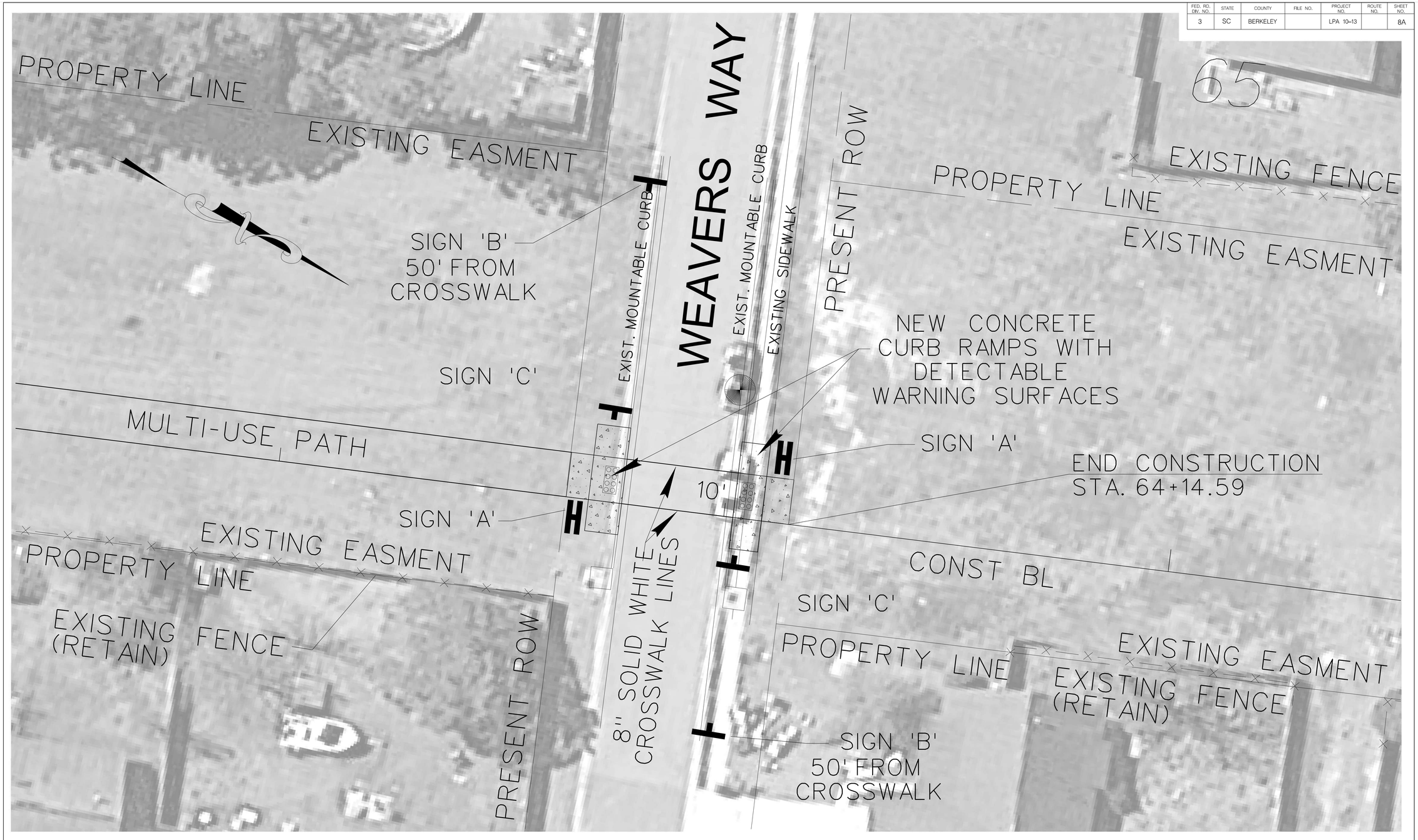
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET

SCALE: 1" = 50'

SHEET 8

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		8A



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CITY OF HANAHAN, SOUTH CAROLINA

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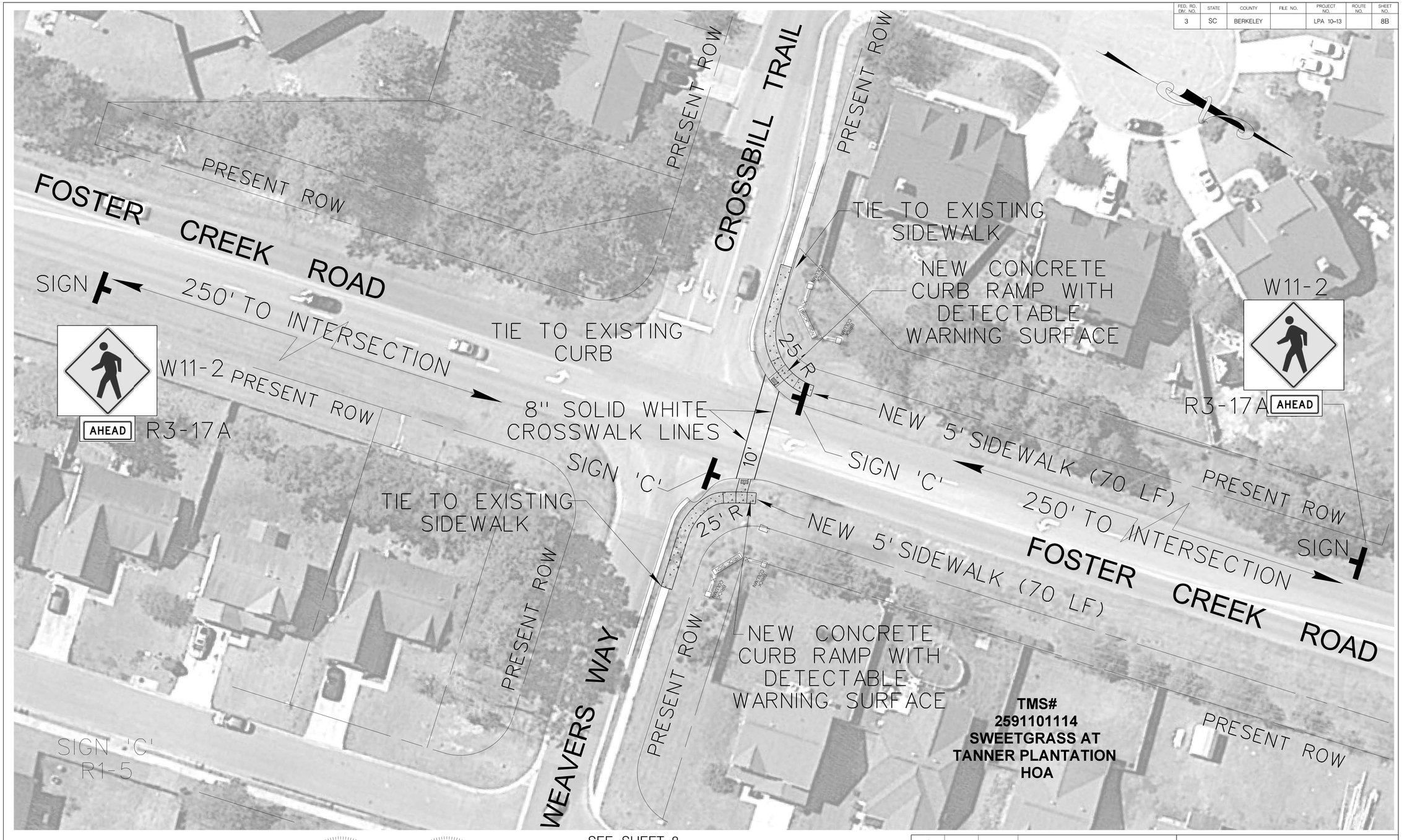
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET

SCALE: 1" = 10' SHEET 8A

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		8B



SEE SHEET 8

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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CITY OF HANAHAN, SOUTH CAROLINA

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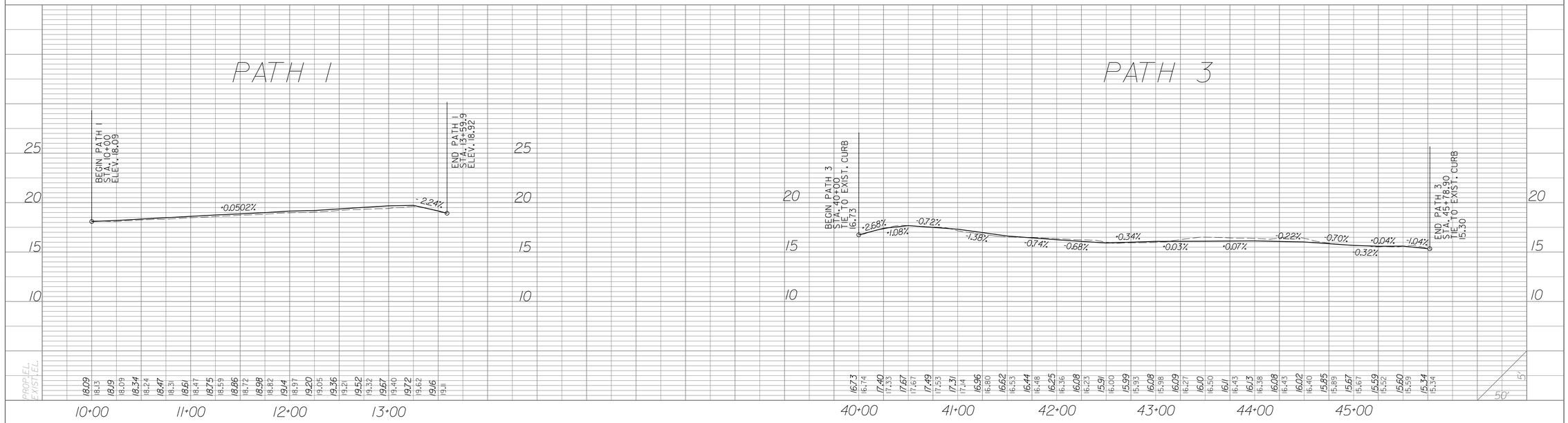
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PLAN SHEET

SCALE: 1" = 20' SHEET 8B

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		10



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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CITY OF HANAHAN, SOUTH CAROLINA

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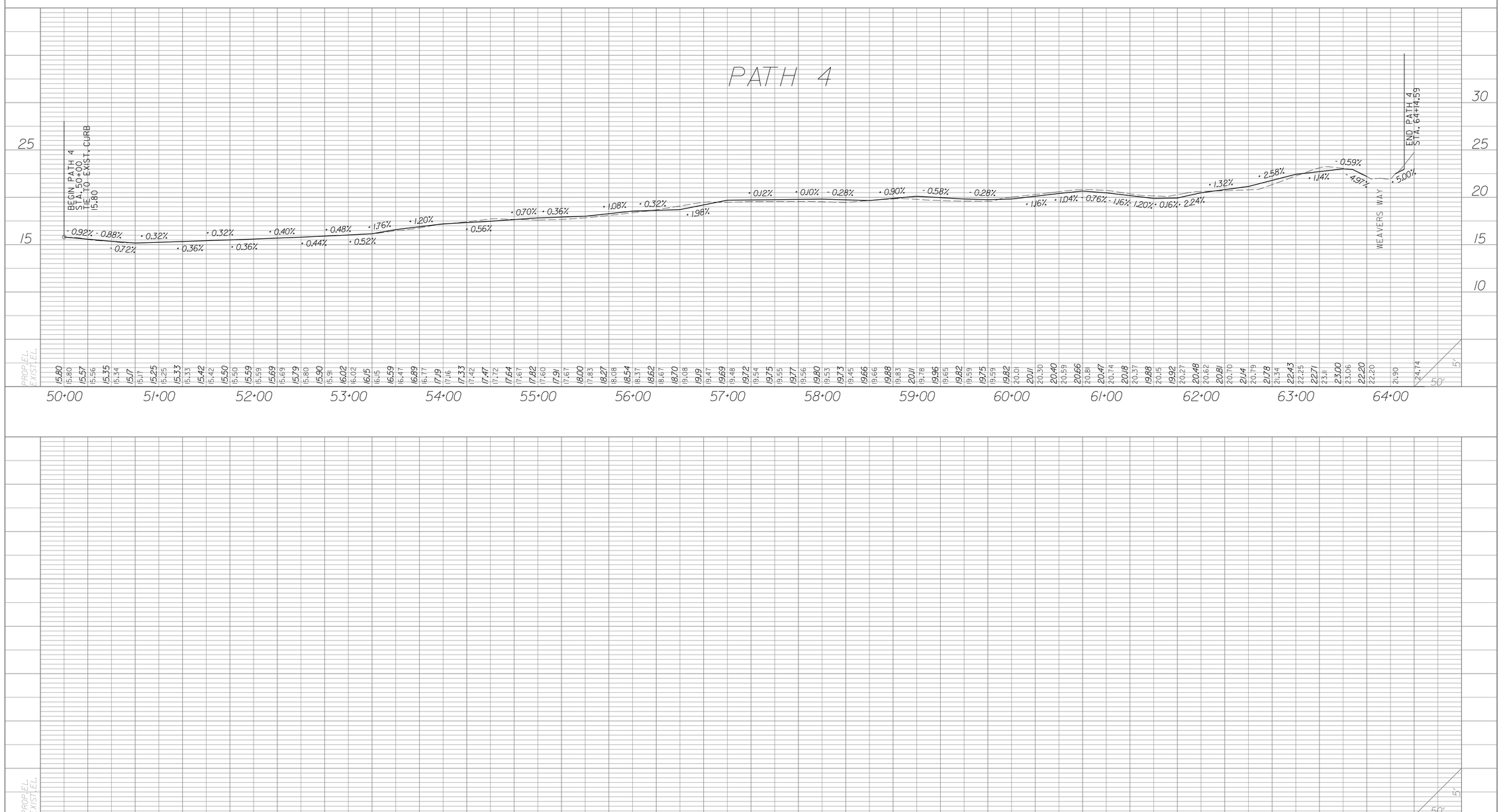
CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PATHWAY PROFILES

SCALE: 1" = 50' H. 5' V

SHEET 10

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		11



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CITY OF HANAHAN, SOUTH CAROLINA

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CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
PATHWAY PROFILES

SCALE: 1" = 50' H. 5' V

SHEET 11

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC	BERKELEY		LPA 10-13		EC01

EROSION CONTROL DATA SHEET

RECEIVING WATERS

ROAD / ROUTE	OUTFALL DITCH STATION	OUTFALL DITCH SIDE	NAME OF RECEIVING WATERS	NAME OF ULTIMATE RECEIVING WATERS	ROAD / ROUTE	OUTFALL DITCH STATION	OUTFALL DITCH SIDE	NAME OF RECEIVING WATERS	NAME OF ULTIMATE RECEIVING WATERS
PATH 1	11+00	RT	POND 5	Cooper River					
PATH 3	43+00	RT	POND 4	Cooper River					
PATH 4	51+00	LT	POND 3	Cooper River					
PATH 4	64+15	RT	POND 2	Cooper River					

SOIL TYPES

ROAD / ROUTE	STATION TO STATION		SOIL PARTICLE SIZE (COARSE / FINE)	ZONE
PATH 1	10+00	13+60	FINE	*LCP
PATH 2	20+00	32+75	FINE	*LCP
PATH 3	40+00	45+79	FINE	*LCP
PATH 4	50+00	64+15	FINE	*LCP
*LOWER	COASTAL	PLAIN		

TEMPORARY EROSION CONTROL BLANKET

ROAD / ROUTE	STATION TO STATION		SIDE	DEPTH OF BLANKET (FT)	SLOPES x : 1 FRONT	SLOPES x : 1 BACK	DITCH BOTTOM WIDTH (FT)	MSY
PATH 1	10+00	13+25	RT	3.5	2	1	0	0.461
							TOTALS	0.461

SEDIMENT DAM

ROAD / ROUTE	NO	STATION	SIDE	DRAINED OR NOT DRAINED	LENGTH OF BASIN	WIDTH OF BASIN	DEPTH OF BASIN	SIDE SLOPE OF BASIN	SPILLWAY WIDTH	SPILLWAY DEPTH	TOTAL HEIGHT TO SPILLWAY	STORAGE VOLUME		OUTFALL CHANNEL WIDTH	OUTFALL CHANNEL DEPTH	OUTFALL CHANNEL LENGTH

SEDIMENT TUBES IN DITCHES

ROAD / ROUTE	STATION TO STATION		SIDE	AVERAGE LENGTH	SPACING (FT)	TOTAL	COMMENTS
					GRAND TOTAL		

TURF REINFORCED MATTING (TRM)

ROAD / ROUTE	STATION TO STATION		SIDE	DEPTH OF MAT (FT)	SLOPES x : 1 FRONT	SLOPES x : 1 BACK	DITCH BOTTOM WIDTH (FT)	TYPE	TYPE 1 (MSY)	TYPE 2 (MSY)	TYPE 3 (MSY)
								TOTALS			

SOUTH CAROLINA CDM Smith Inc. No. C00402 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 14233 CARLA J. PRICE

CDM Smith

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. ____ DATE ____
DWG. ____ DATE ____
CKD. ____ DATE ____

PLOTTED - 7/21/2016
DIRECTORY - ...\DGN\Plans\11_EC01_data.dgn

CITY OF HANAHAN, SOUTH CAROLINA

CDM SMITH

CITY OF HANAHAN
COMPREHENSIVE TRAIL PHASE 1
EROSION CONTROL DATA SHEET

SCALE: 1" = N/A | SHEET EC01

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

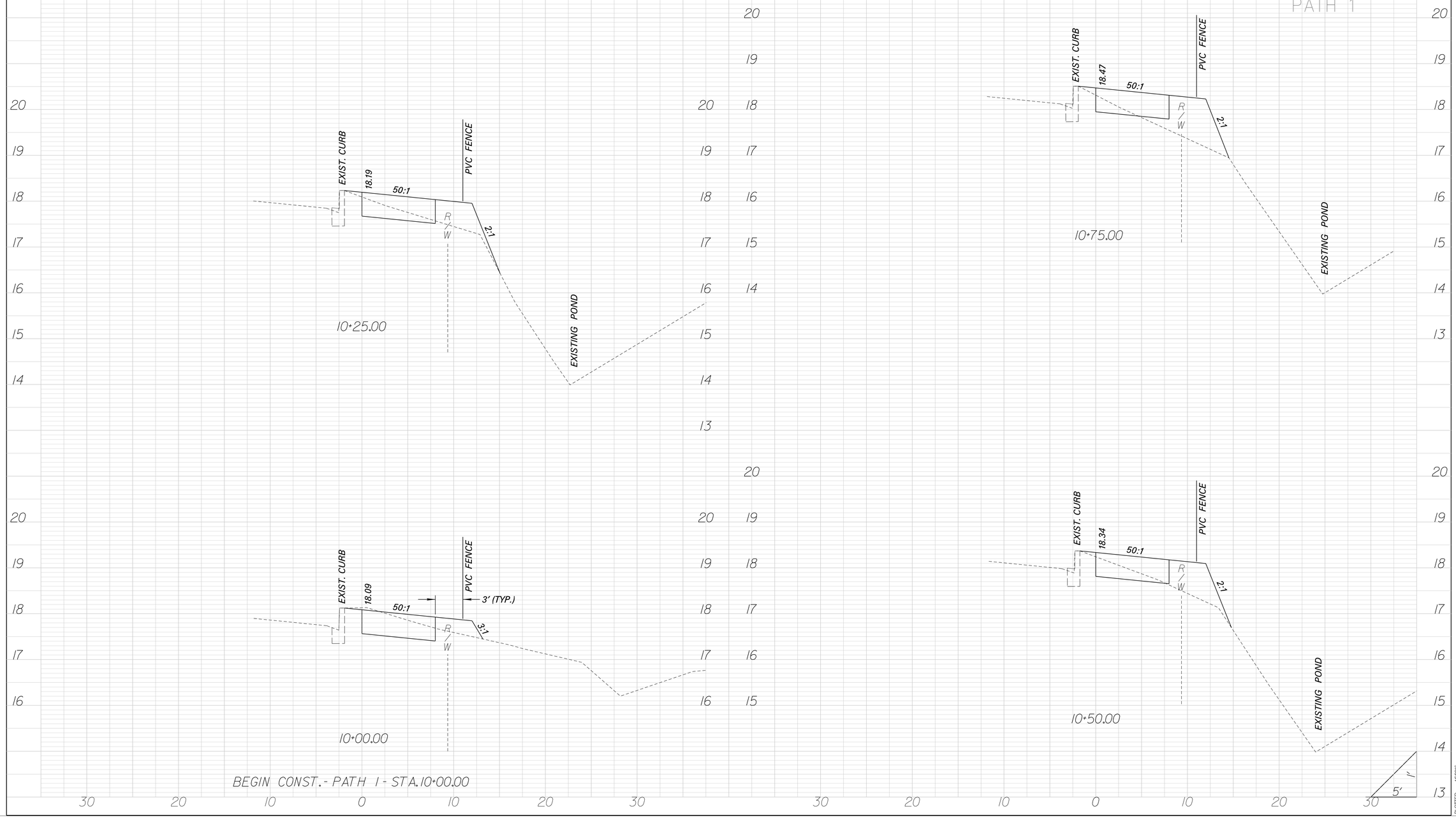
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-1

HANAHAN PATHWAY

SOUTH CAROLINA
GM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORITY NO.

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEALY

PATH 1



BEGIN CONST.- PATH 1 - STA.10+00.00

PLOTTED - 9/6/2016
DIRECTORY - ...\DGN\Plans\Hwy_path1_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

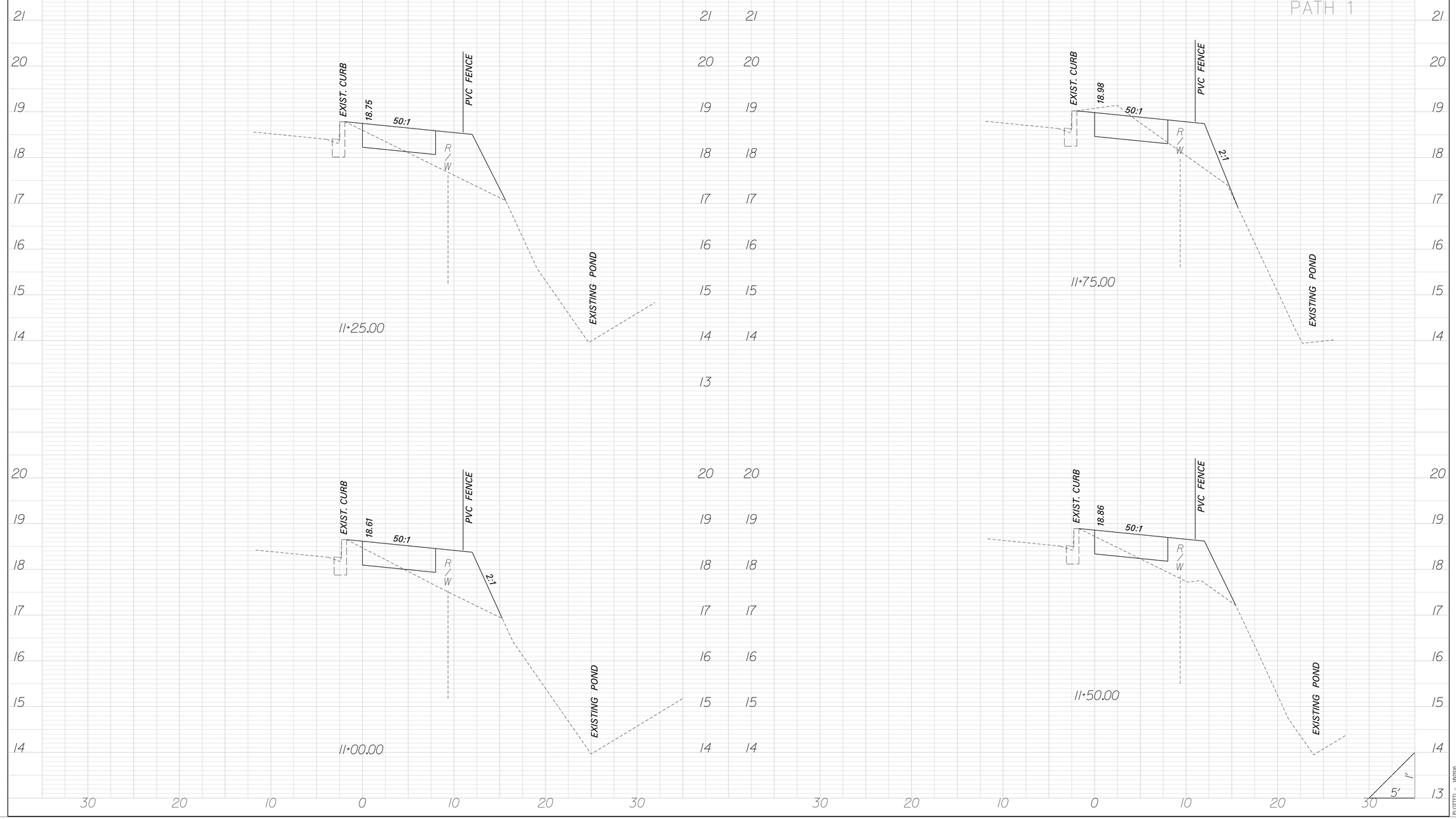
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-2

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 1



PLOTTED — 9/6/2016
DIRECTORY — ...\DGN\Plans\Hwy_path1_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-3

HANAHAN PATHWAY

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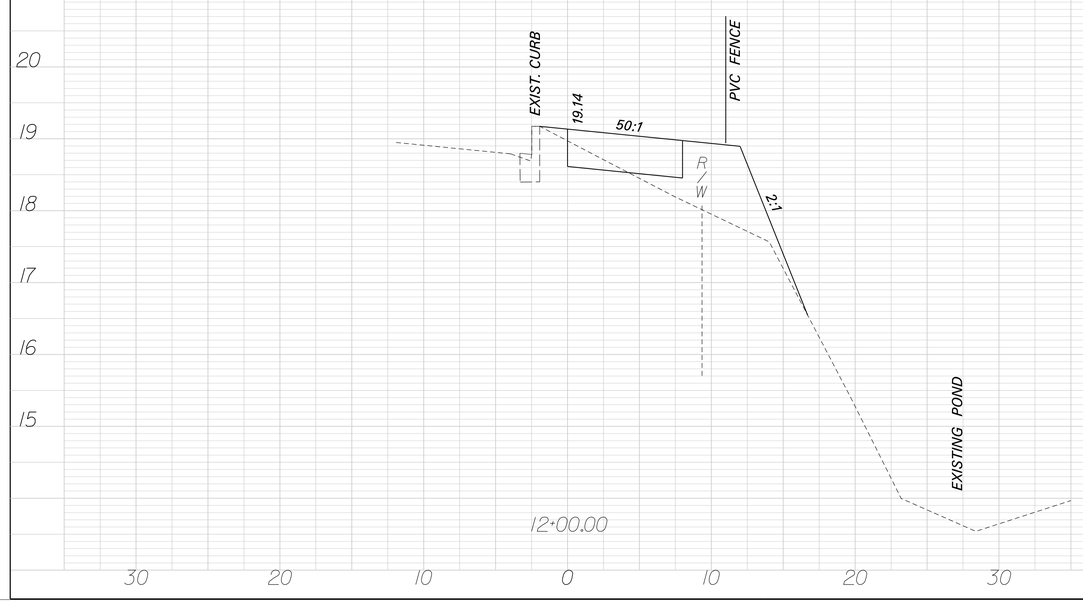
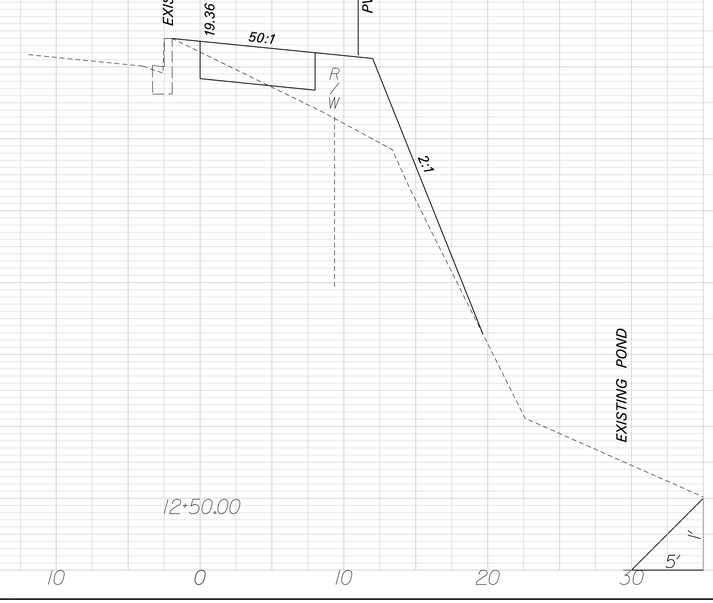
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEALY

PATH 1





PLOTTED — 9/6/2016
DIRECTORY — ...\DGN\Plans\Hwy_path1_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-4

HANAHAN PATHWAY

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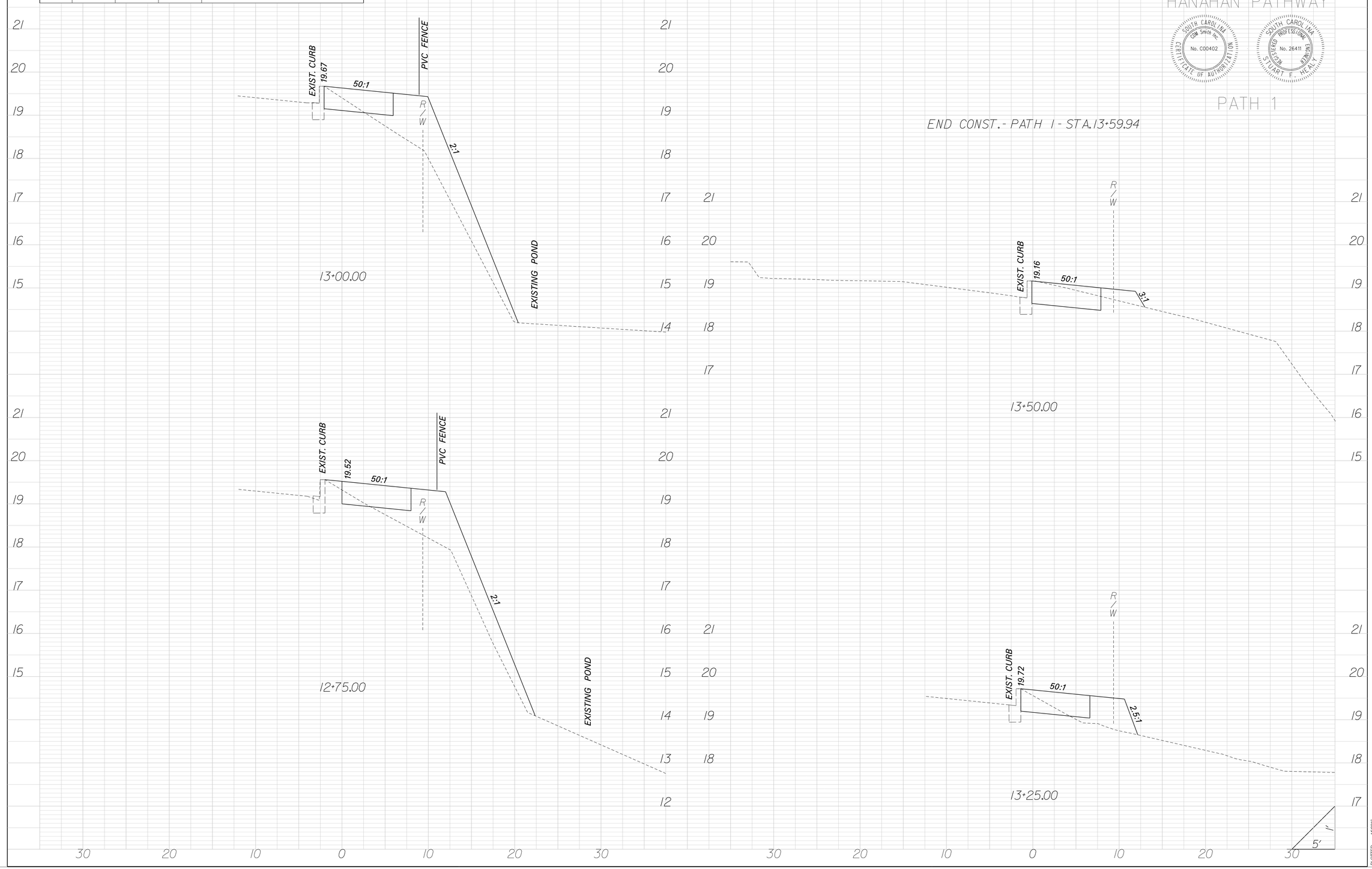
REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEALY

PATH 1

END CONST.- PATH 1 - STA.13+59.94



PLOTTED - 1/6/2016
DIRECTORY - ...\DGN\Plans\Hwy_path1_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

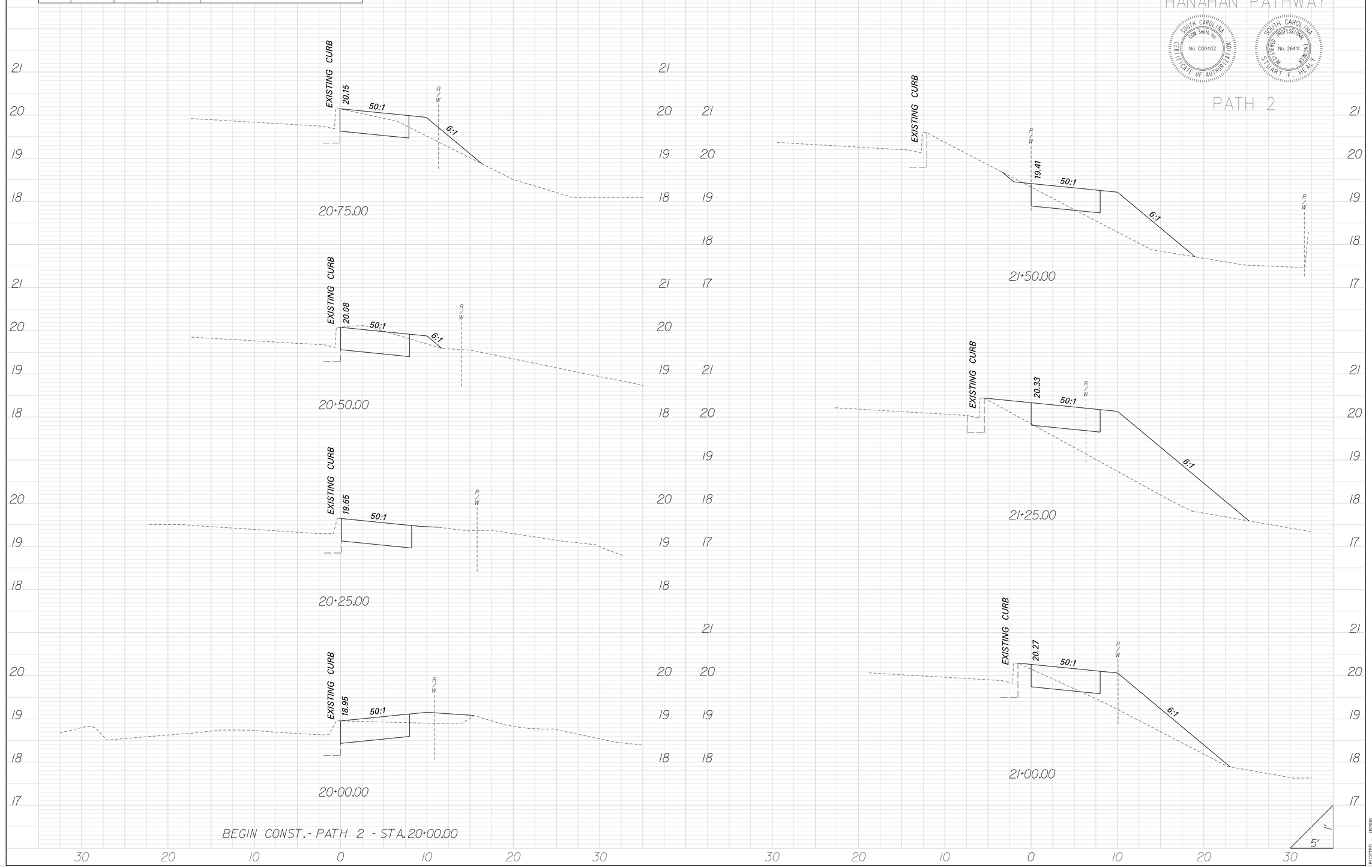
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-5

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 2



PLOTTED - 1/6/2016
DIRECTORY - ...\DGN\Plans\Hwy_paths_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

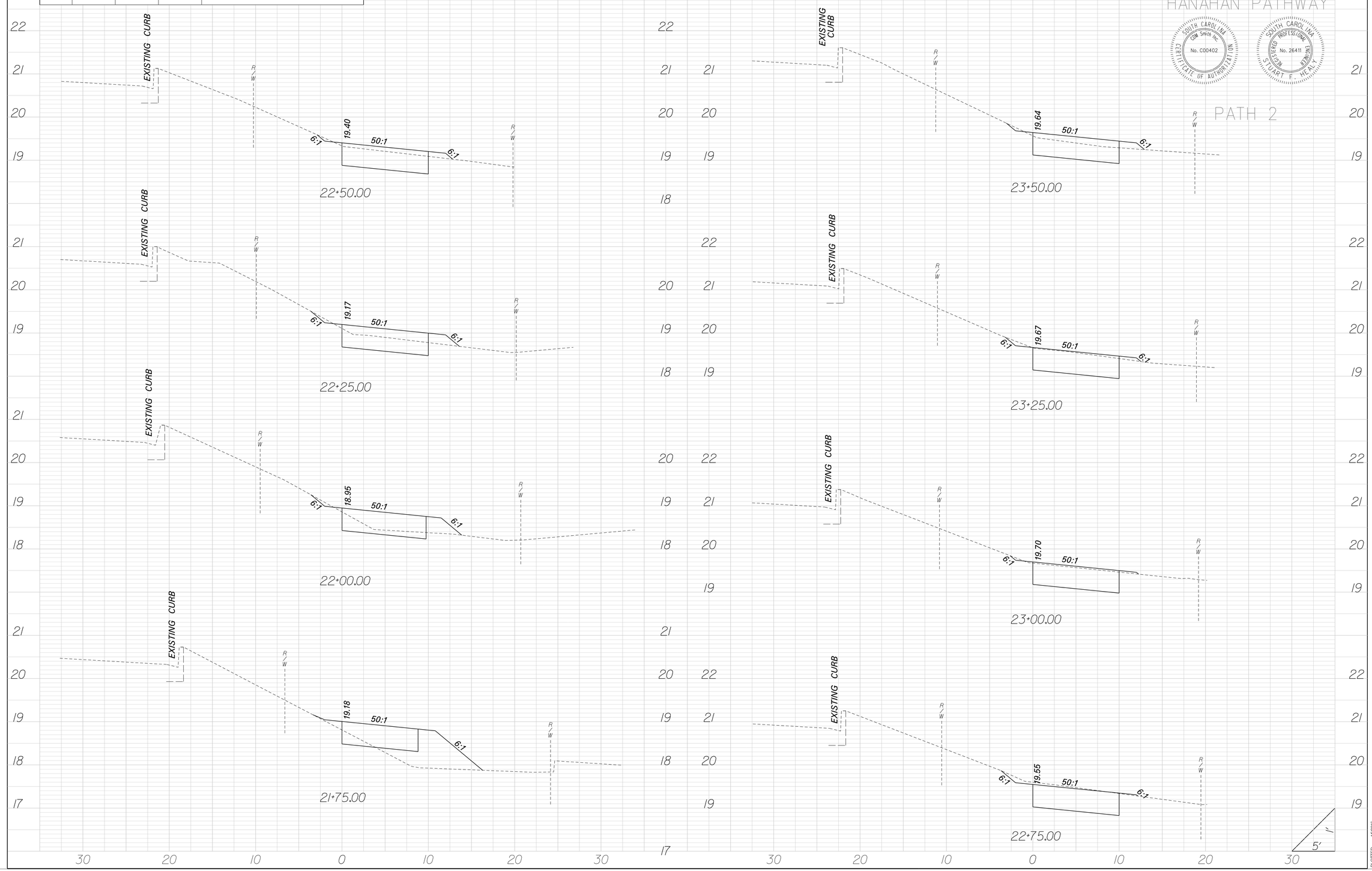
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-6

HANAHAN PATHWAY

SOUTH CAROLINA
GM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 2



R:\OTTED - 1/6/2015
DIRECTORY - ...\DGN\Plans\Hwy_paths_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

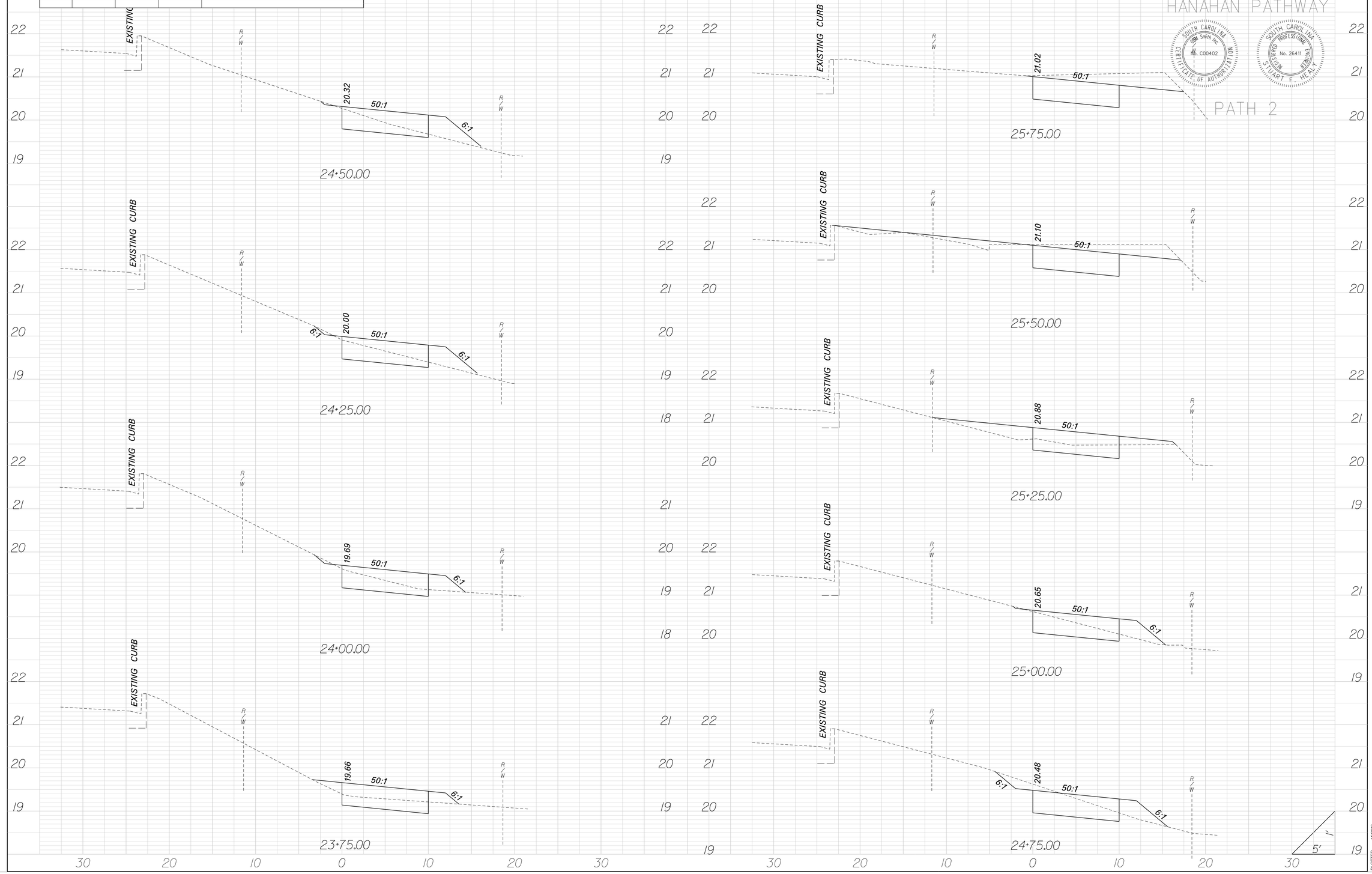
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-7

HANAHAN PATHWAY

SOUTH CAROLINA
CON Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 2



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\lay_path2_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

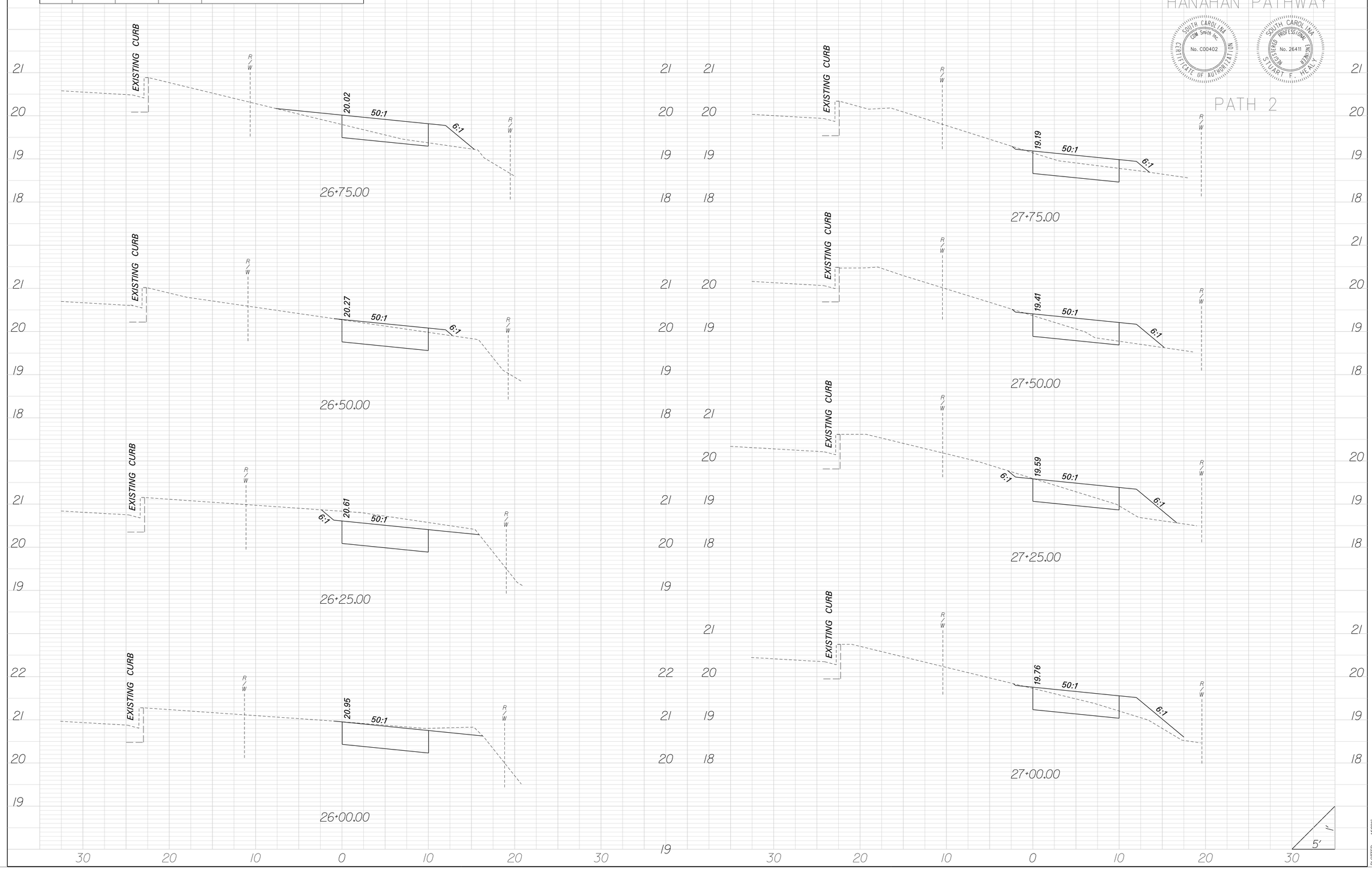
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-8

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 2



PLOTTED -- 1/6/2016
DIRECTORY -- ...\DGN\Plans\May_path2_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

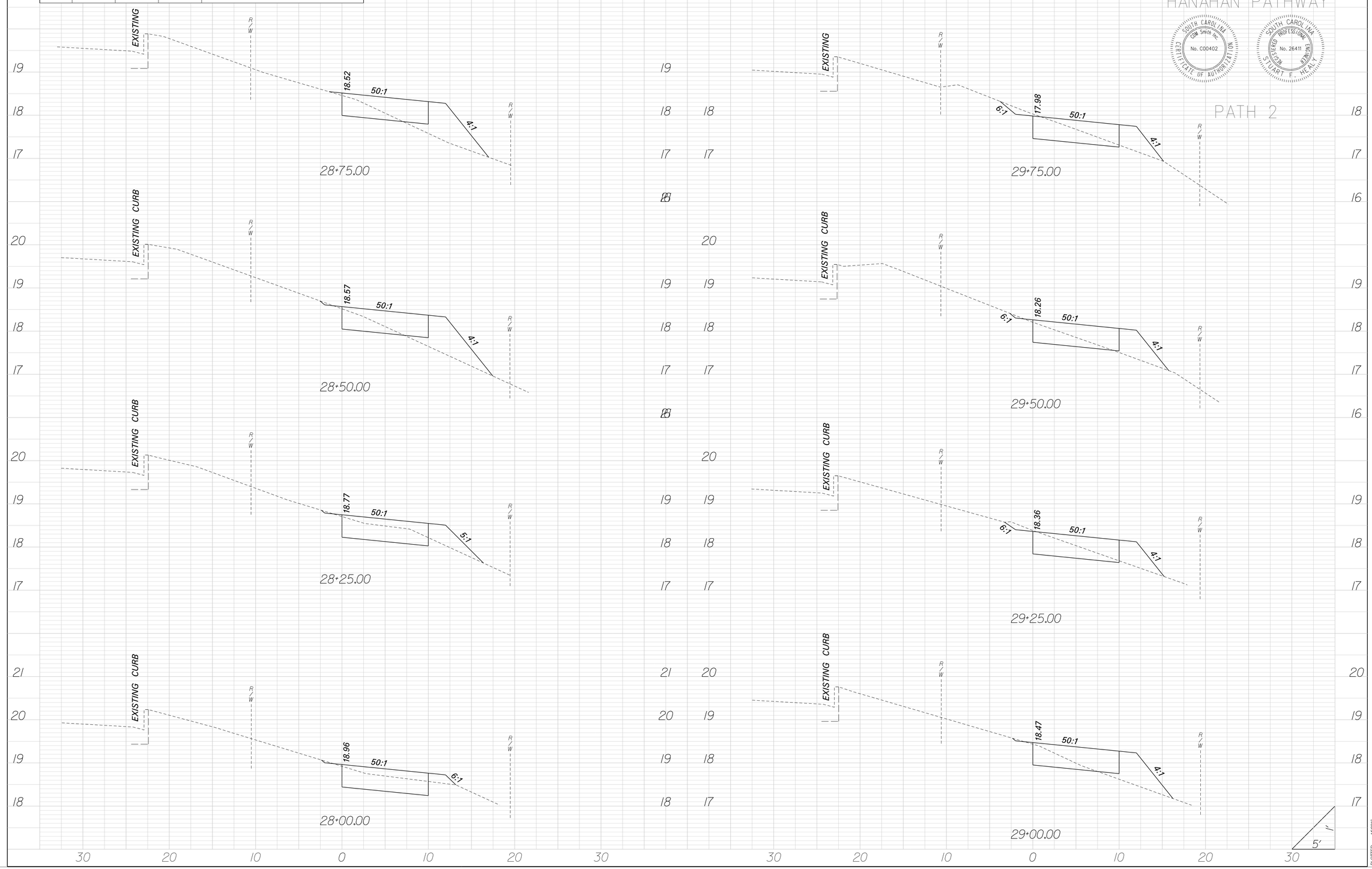
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-9

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 2



PLOTTED — 9/6/2016
DIRECTORY — ...\DGN\Plans\Hwy_path2_mv.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

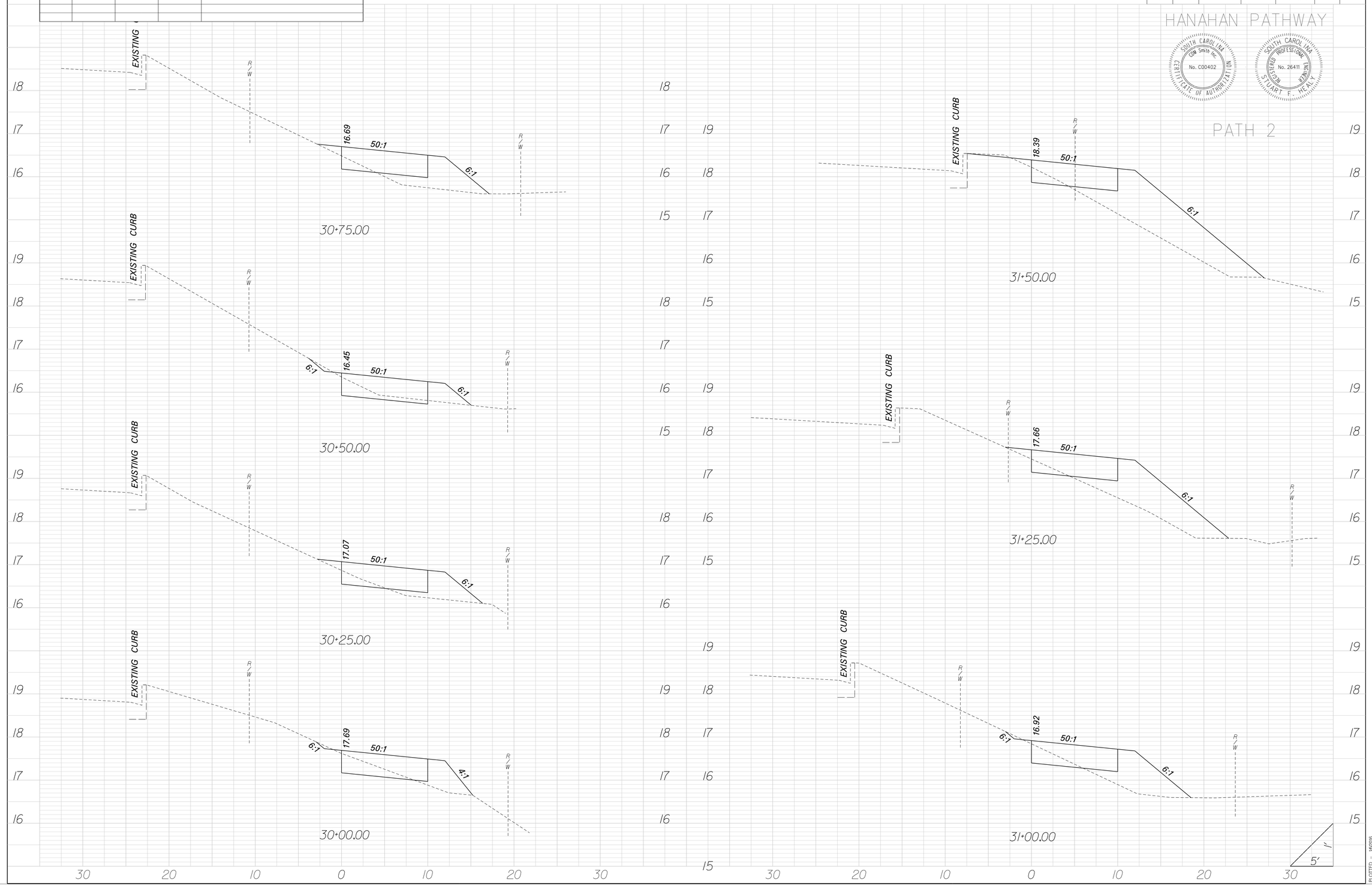
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-10

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEALY

PATH 2



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\lay_path2_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-11

HANAHAN PATHWAY

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No. C00402
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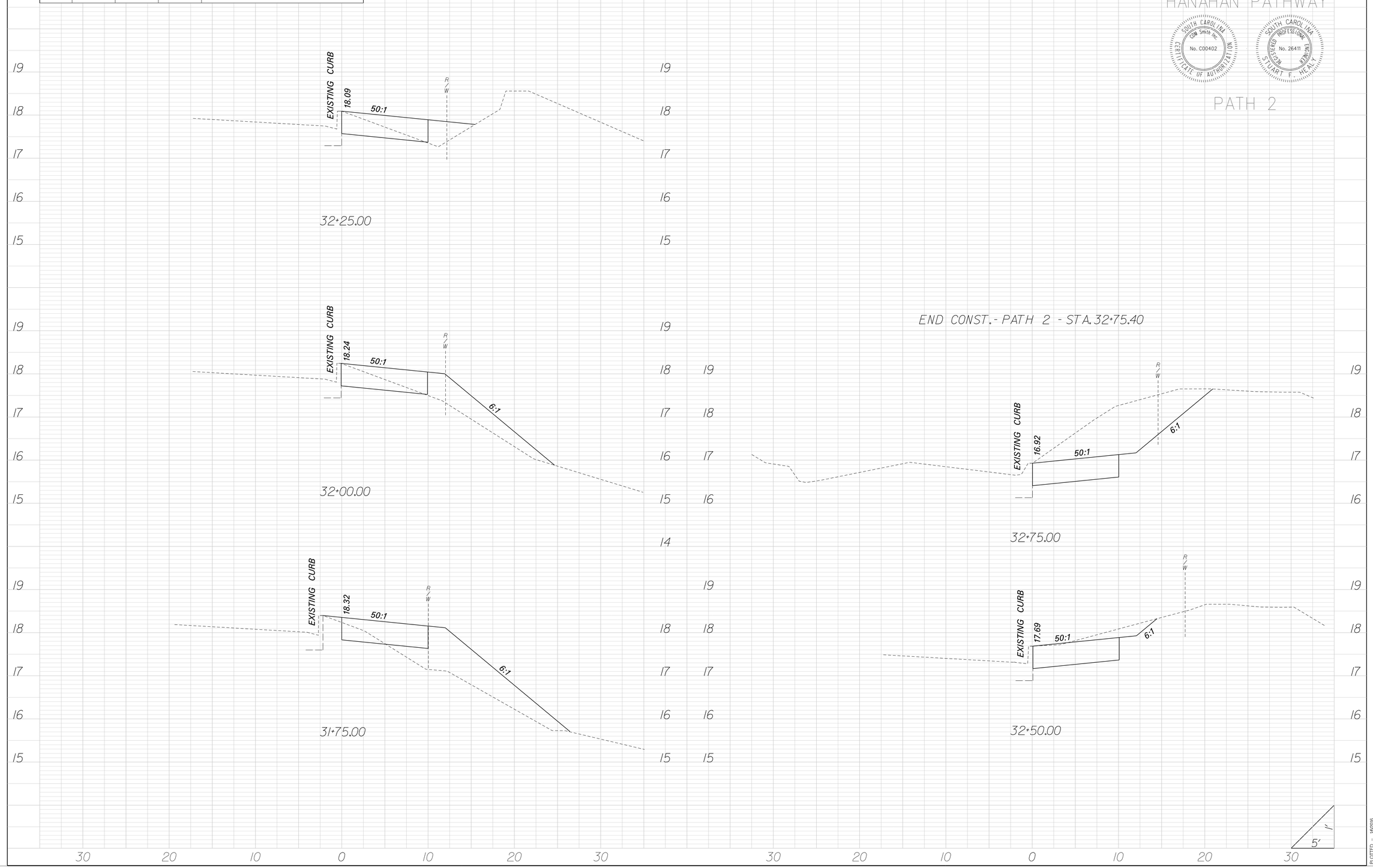
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 2



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\Alg_path2_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-12

HANAHAN PATHWAY

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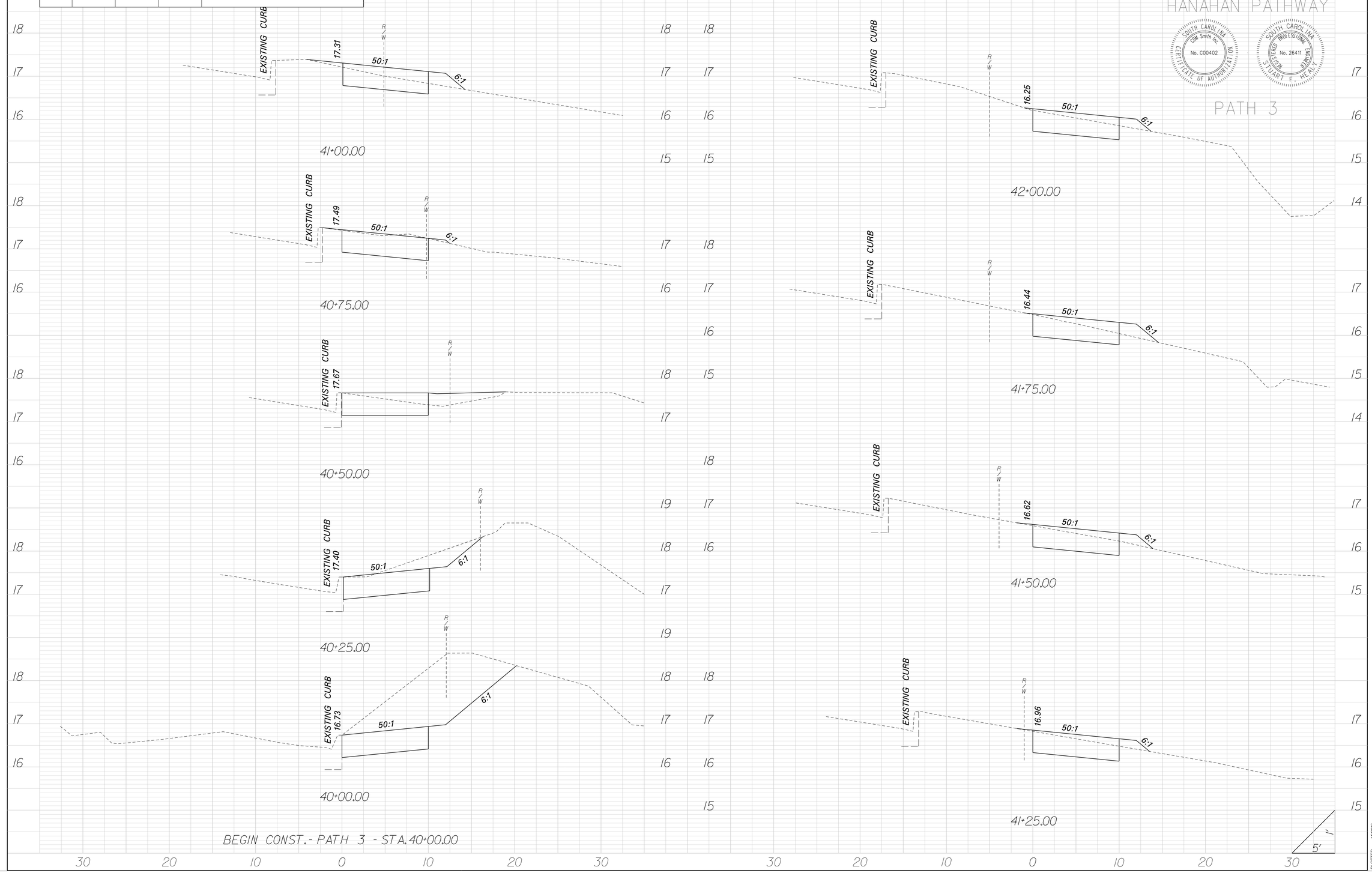
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEALY

PATH 3



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\Alg_path3_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

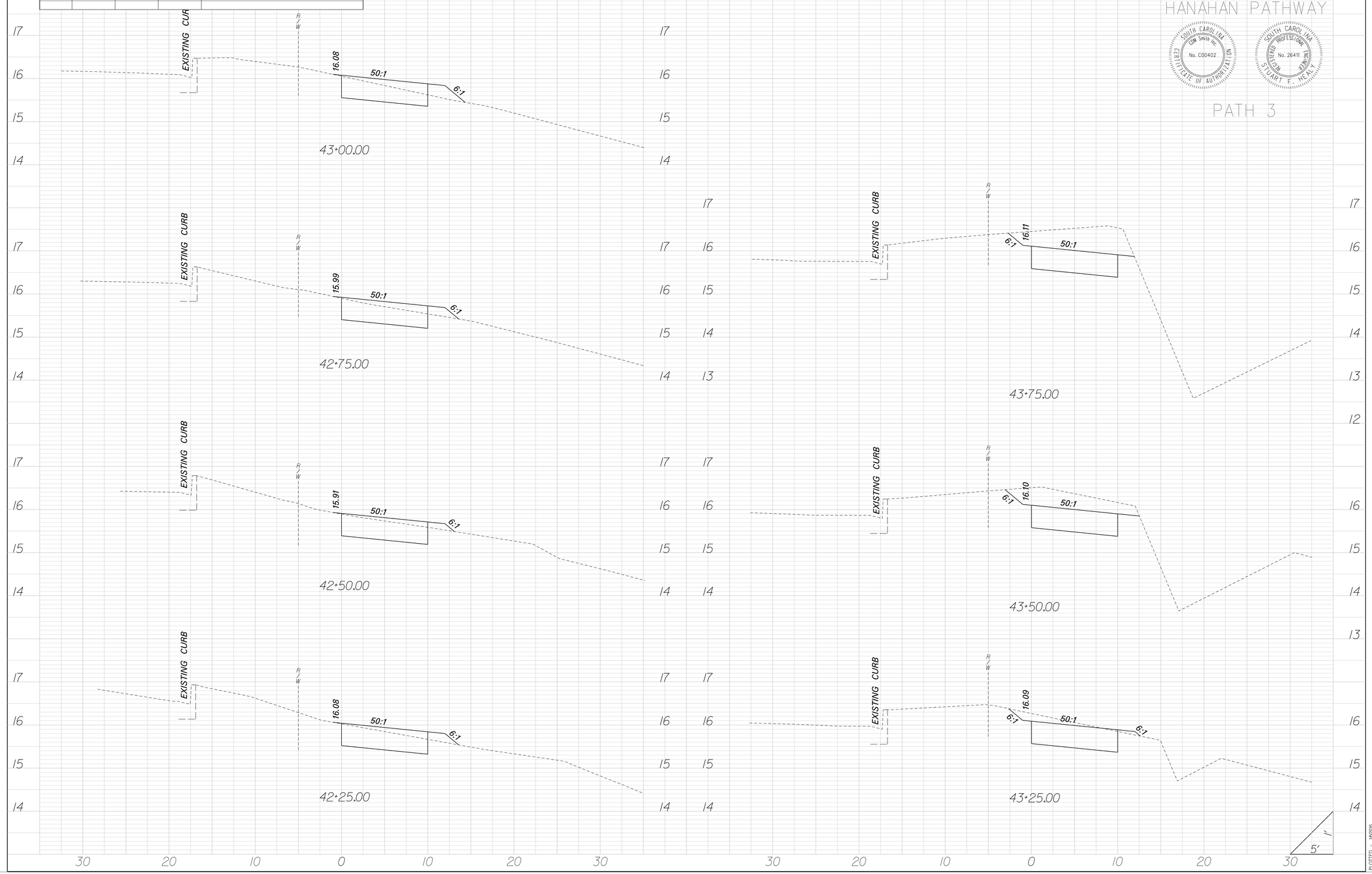
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-13

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORITY NO.

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 3



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\Hwy_paths_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

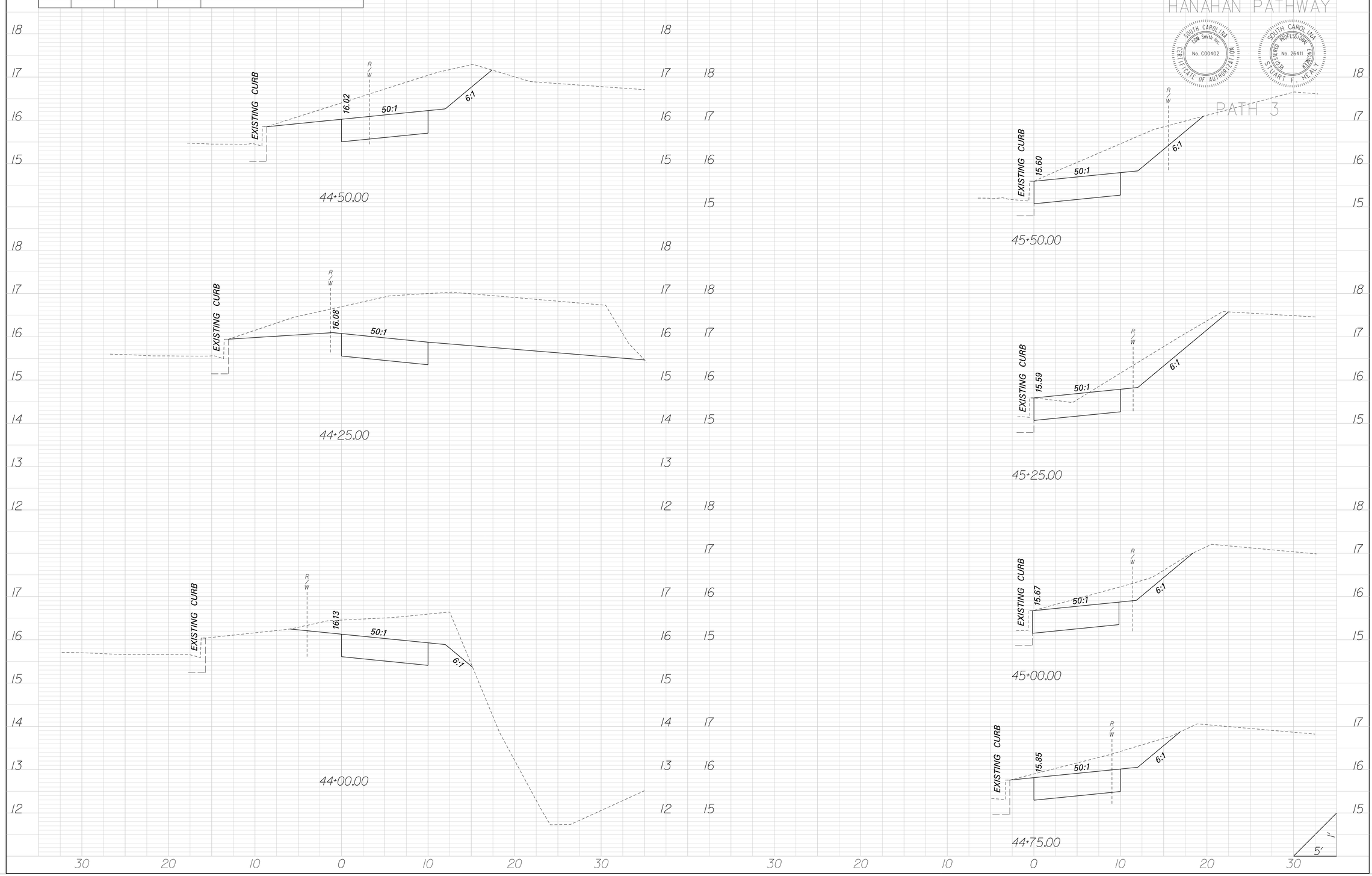
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-14

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 3



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\Alg_path3_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-15

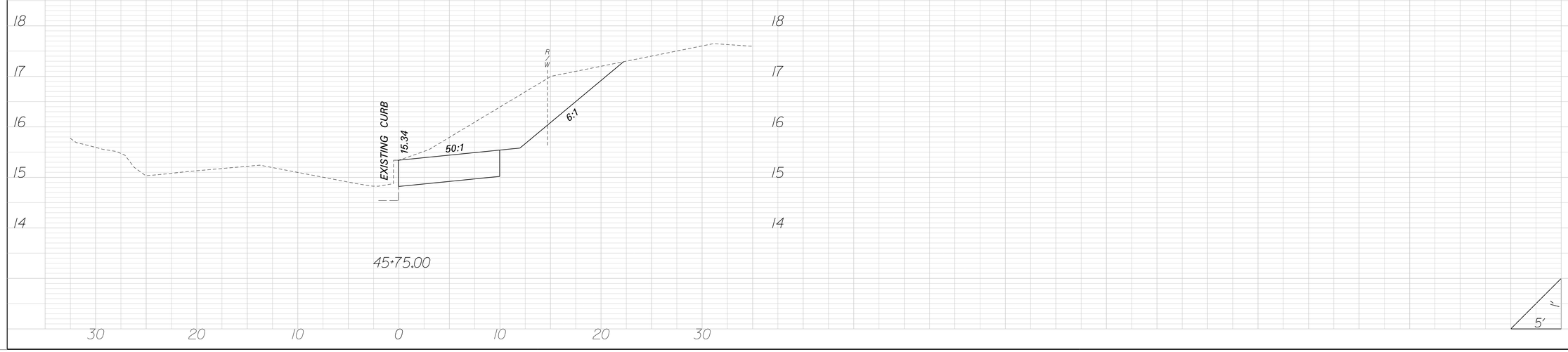
HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc
No. C00402
CERTIFICATE OF AUTHORIZATION NO.

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 3

END CONST.- PATH 3 - STA.45+78.94



PLOTTED -- 1/6/2016
DIRECTORY -- ...\DGN\Plans\lay_path3_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

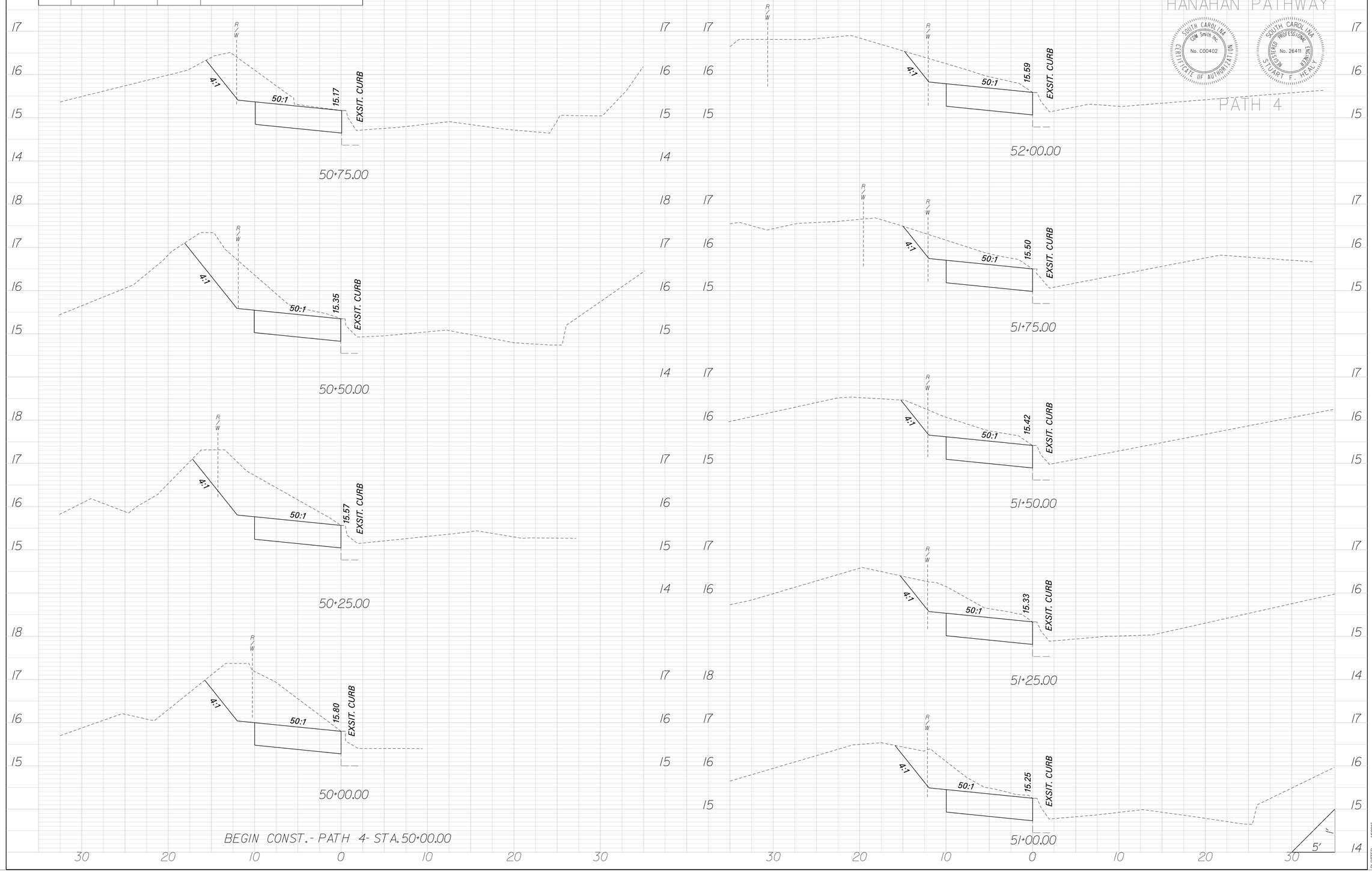
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-16

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORITY NO.

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 4



BEGIN CONST.- PATH 4- STA.50+00.00

PLOTTED — 1/6/2016
DIRECTORY — ...\DGN\Plans\lay_path4_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

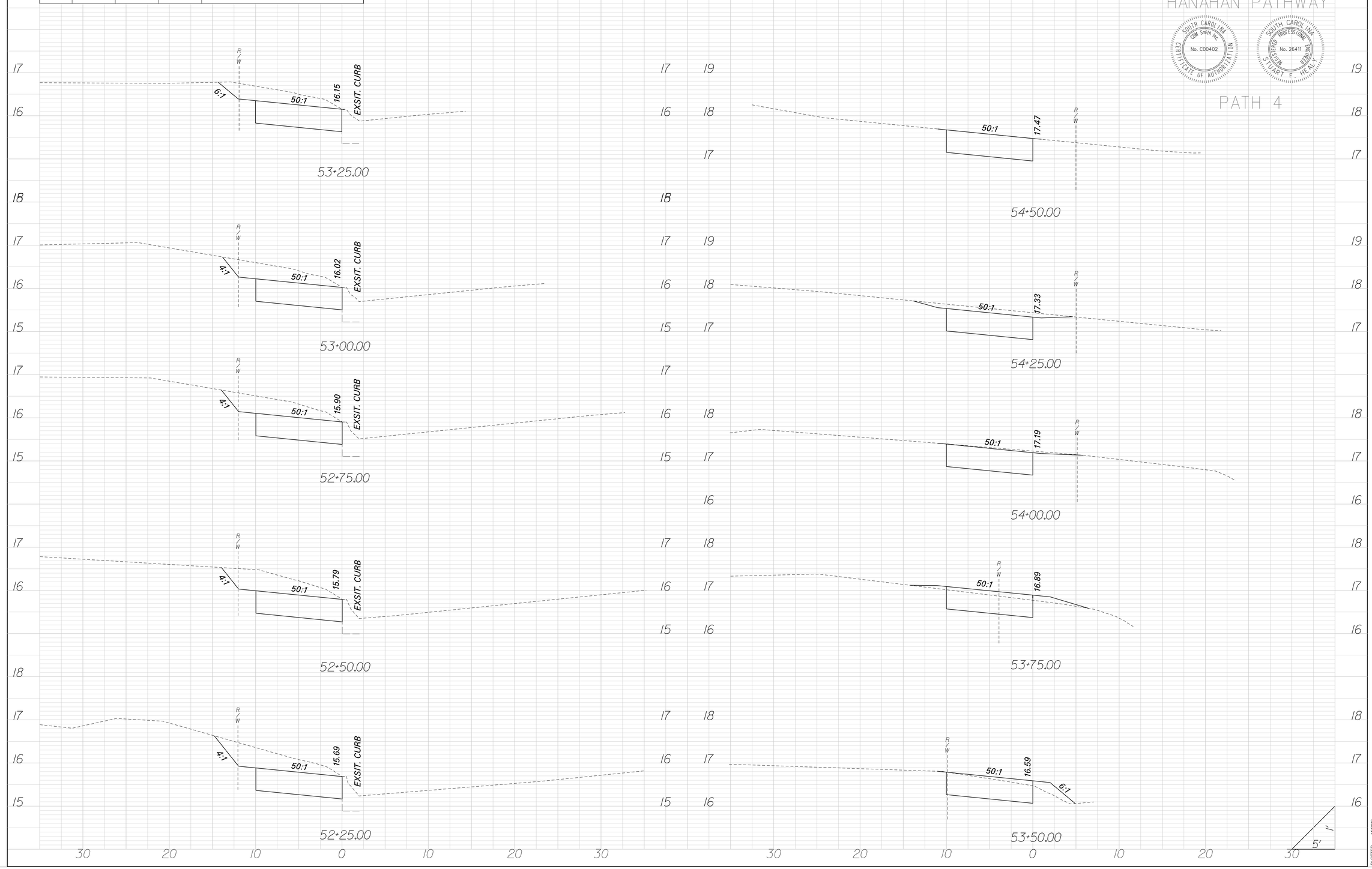
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-17

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORITY NO.

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 26411
STUART F. HEAL

PATH 4



IN CITED DIRECTORY – _DGN\Plans\lay_paths4_rev.dgn
15/2016

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

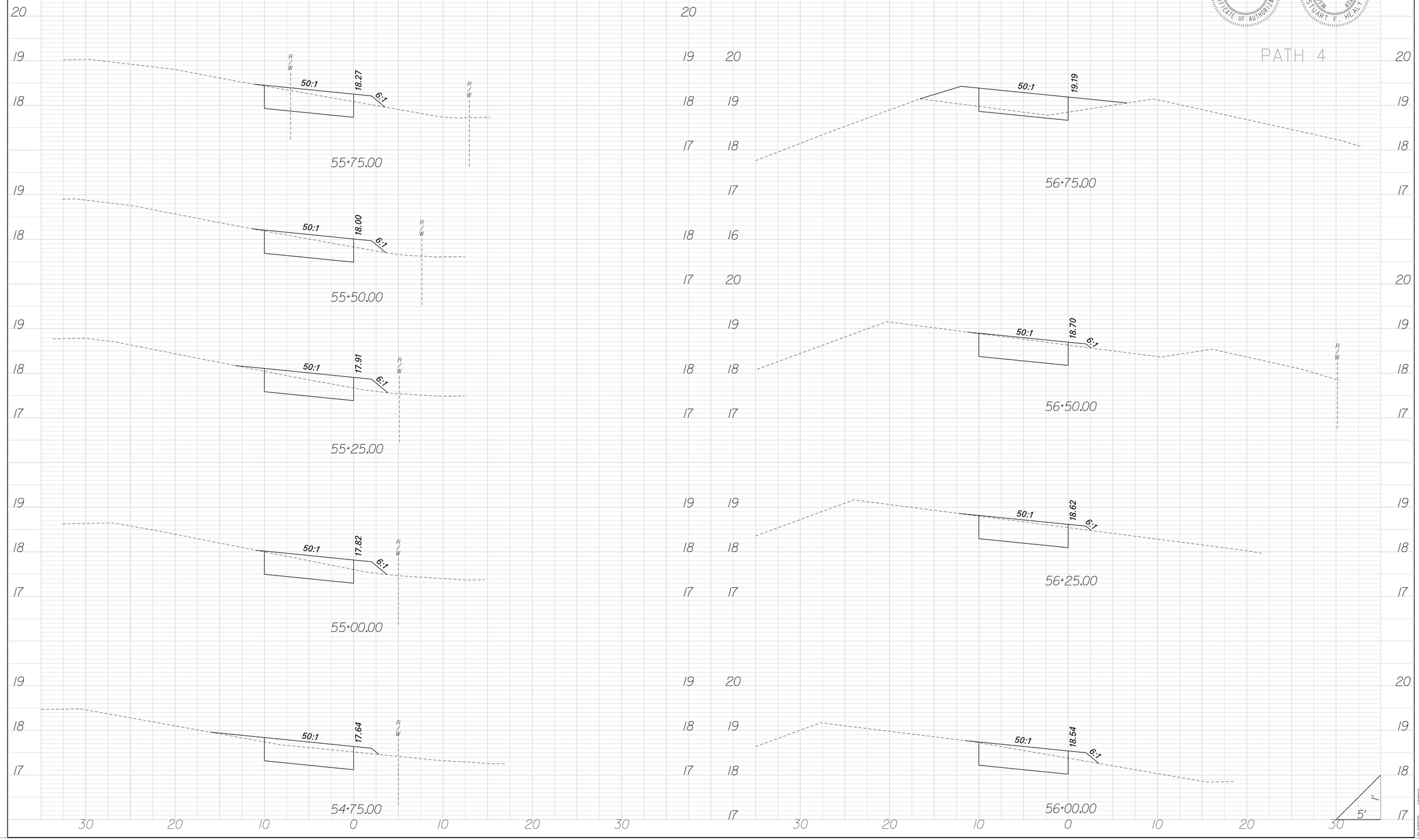
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-18

HANAHAN PATHWAY

SOUTH CAROLINA
GM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 4



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\Alg_path4_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

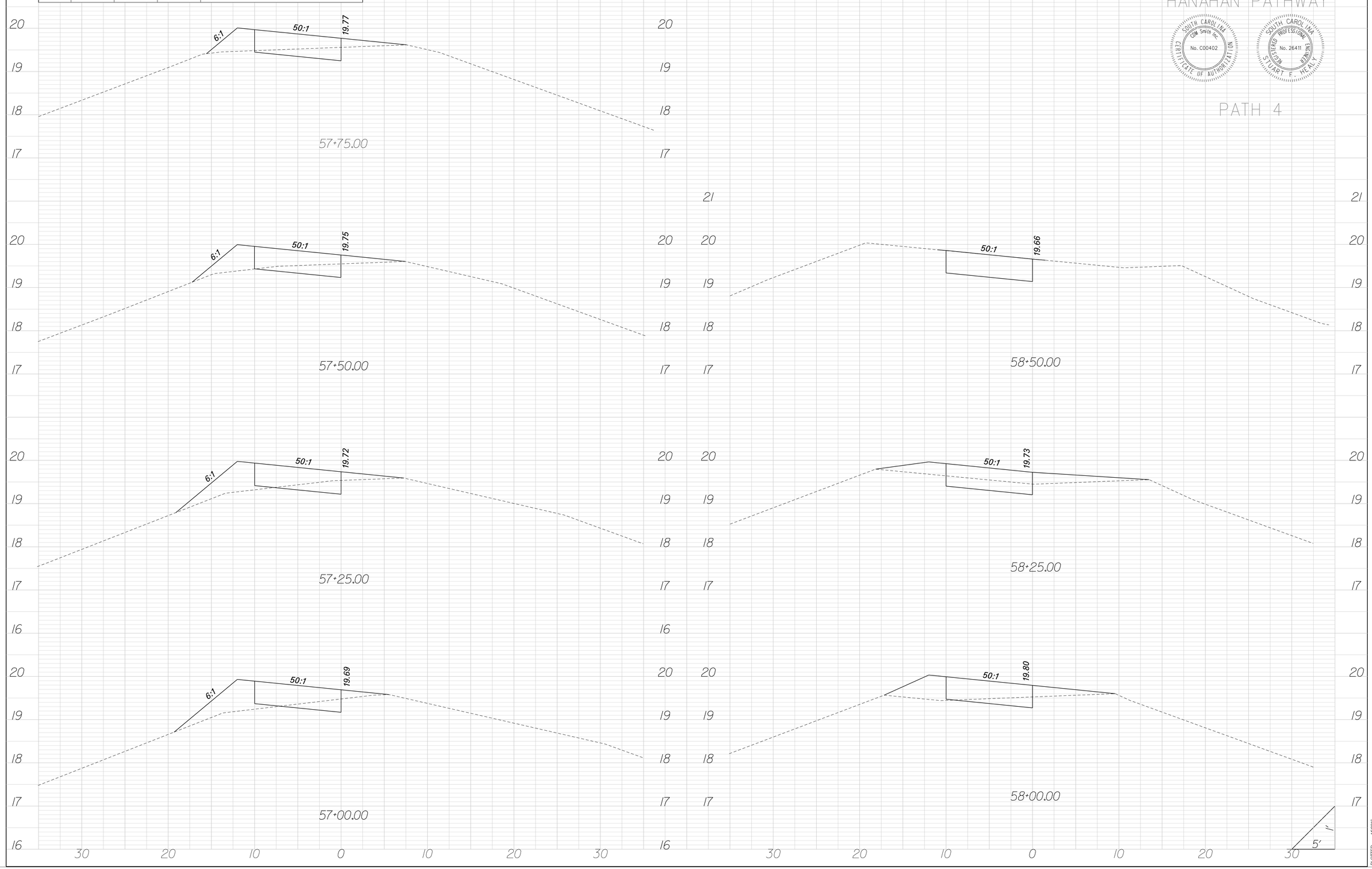
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-19

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION NO.

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 26411
STUART F. HEAL

PATH 4



PLOTTED -- 1/6/2016
DIRECTORY -- ...\DGN\Plans\Alg_path4_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

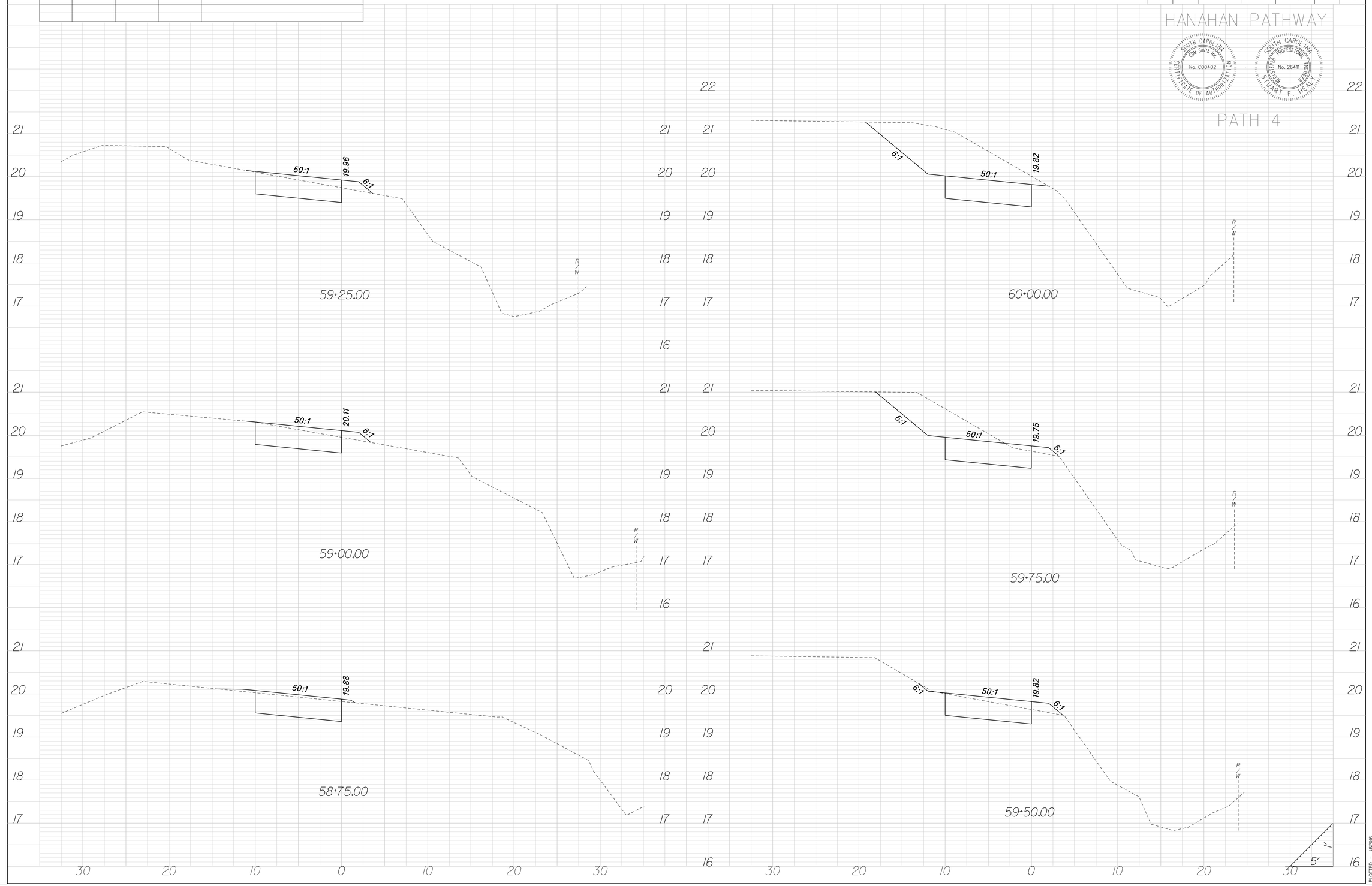
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-20

HANAHAN PATHWAY

SOUTH CAROLINA
GM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORITY

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 4



IN OTTED — 1/6/2016
DIRECTORY — ...\DGN\Plans\Hwy_paths_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

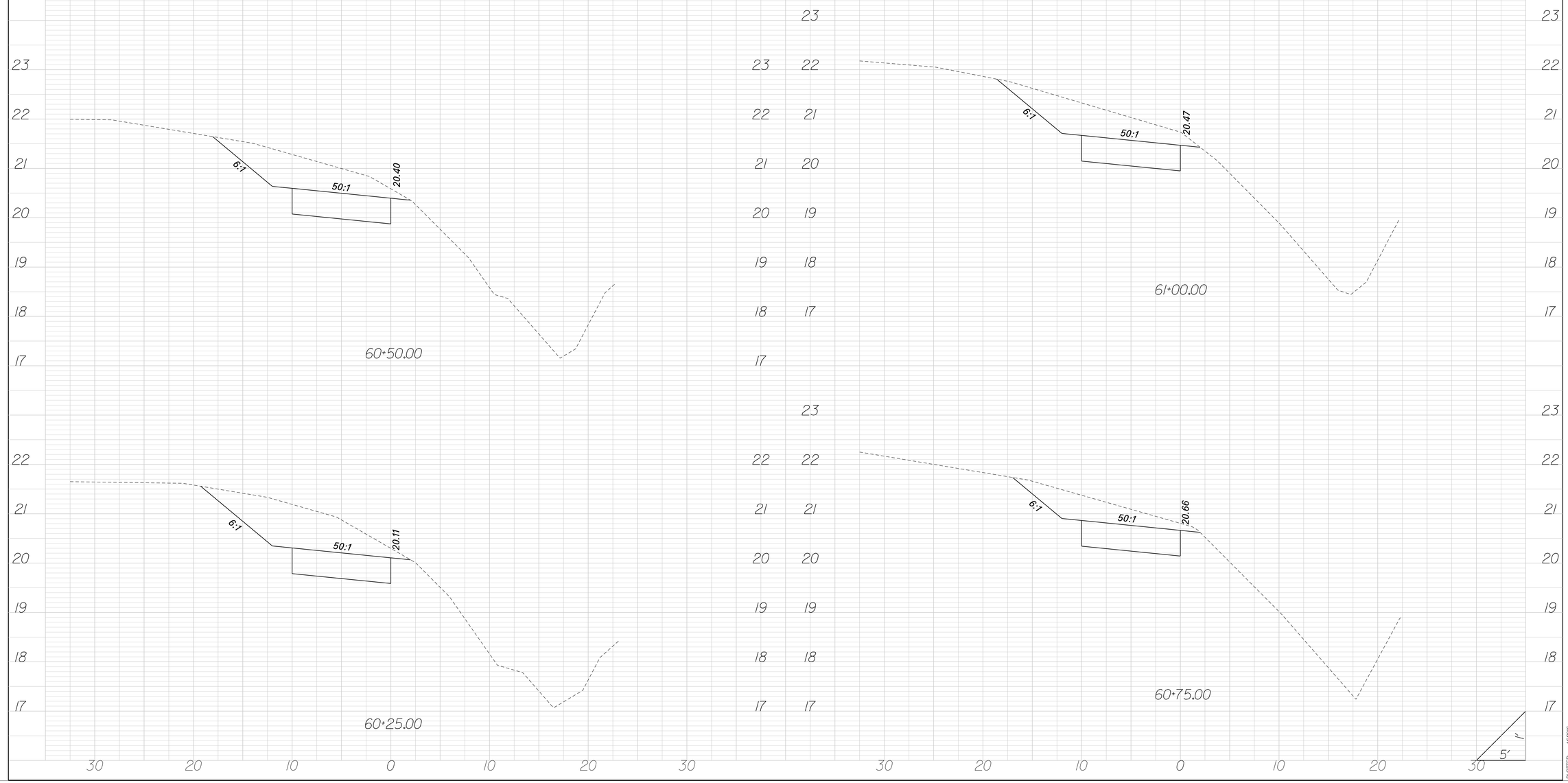
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-21

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION NO.

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 4



PLOTTED – 1/6/2016
DIRECTORY – ...\DGN\Plans\Hay_path4_rev.dgn

REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

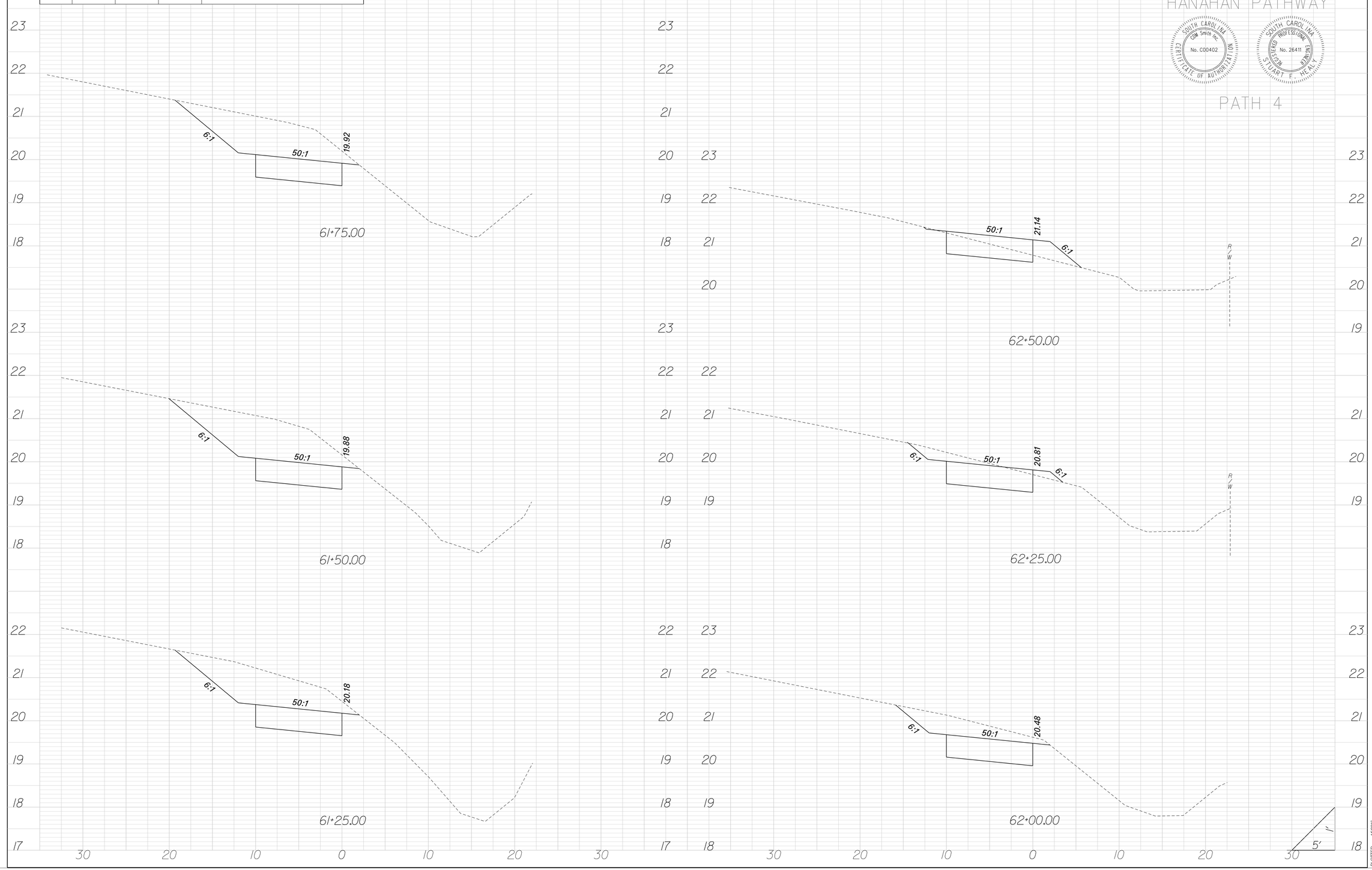
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-22

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

REGISTERED PROFESSIONAL ENGINEER
SOUTH CAROLINA
No. 26411
STUART F. HEAL

PATH 4



R:\OTTED — 1/6/2015
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REV.NO.	BY	CKD.	DATE	DESCRIPTION OF REVISION
△				

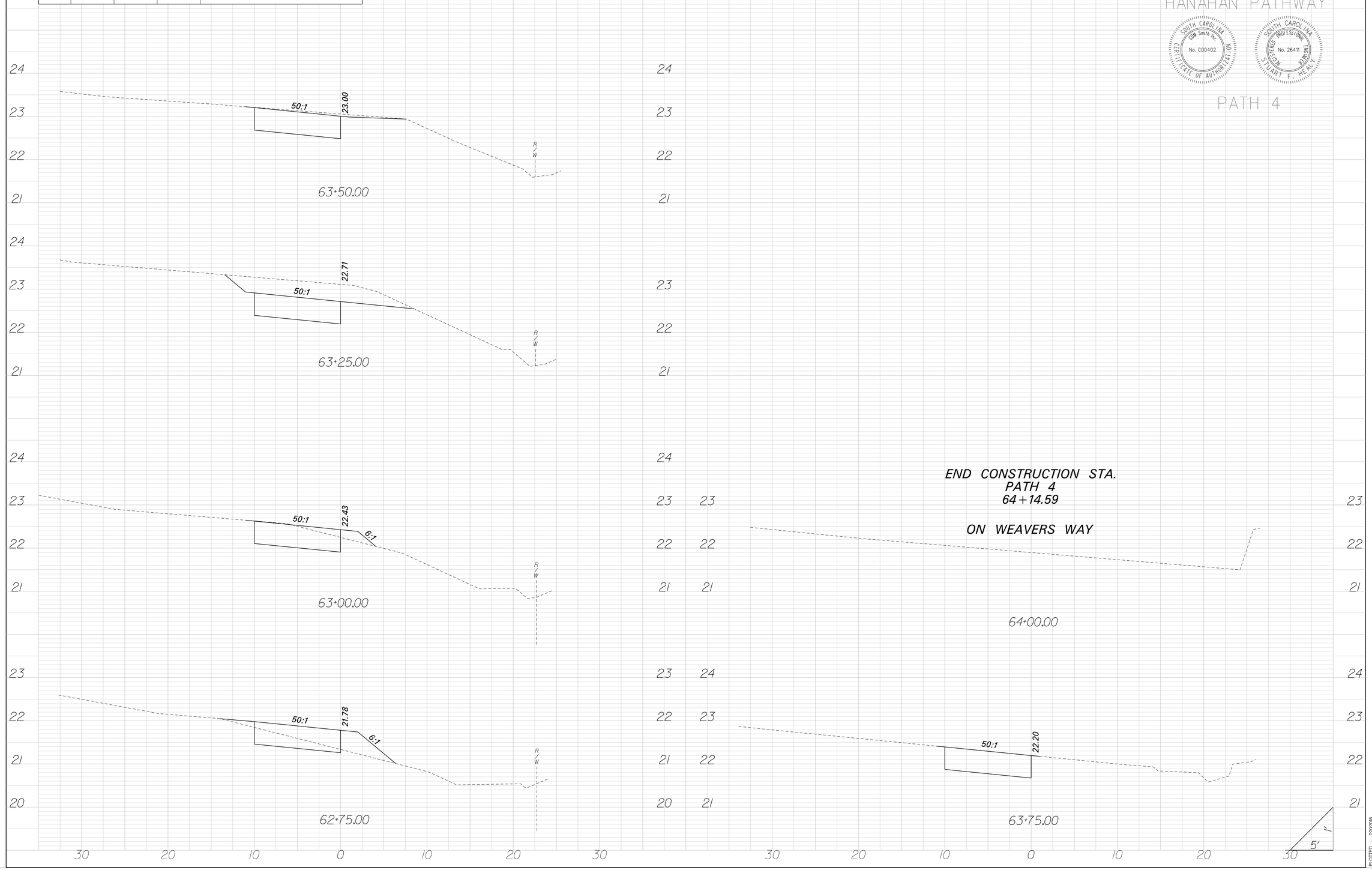
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
3	SC			LPA 10-13		X-23

HANAHAN PATHWAY

SOUTH CAROLINA
CDM Smith Inc.
No. C00402
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 26411
STUART F. HEAL

PATH 4



PLOTTED – 7/20/016
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