

PCN NO.	SHEET NO.	TOTAL SHEETS
P027567	1	14



PROJECT LOCATION

INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	NO. OF SHEETS
1	TITLE SHEET	1
2	SUMMARY OF ESTIMATED QUANTITIES	1
3	TYPICAL SECTION / DETAIL SHEET	1
4	RIGHT OF WAY DATA SHEET	1
4A	PROPERTY STRIP MAP	1
5	GENERAL CONSTRUCTION NOTES SHEET	1
5A	REFERENCE DATA SHEET	1
5B - 5C	TREE REMOVAL / PROTECTION PLAN	2
6	PLAN AND PROFILE SHEET	1
S1	BRIDGE PLAN AND PROFILE SHEET	1
S2, S3, S4	PEDESTRIAN BRIDGE DETAILS	3
TOTAL		14

BCDCOG

Berkeley-Charleston-Dorchester  
Council of Governments

PROPOSED PLANS FOR  
CHARLESTON COUNTY  
PROJECT ID. P027567  
McCLELLANVILLE PEDESTRIAN BRIDGE  
OVER JEREMY CREEK  
LPA 11-13

TRAFFIC DATA			
S. PINCKNEY ST. (S-1189)			
2015	ADT	2,100	PS 30 MPH
OLD CEMETERY RD. (S-1190)			
N/A*	ADT	N/A*	PS 25 MPH
KIT HALL RD. (S-2414)			
N/A*	ADT	N/A*	PS N/A
*TRAFFIC DATA NOT AVAILABLE			

ENVIRONMENTAL PERMIT INFORMATION			
USACE PERMIT	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
NEPA DOCUMENT	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
401 CERTIFICATION	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
OCRM CAP	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
NAVIGABLE WATERS SC	<input type="checkbox"/> USCG	<input type="checkbox"/> USACE	<input checked="" type="checkbox"/> N/A

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:  
2012  
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



	TOTALS
NET LENGTH OF ROADWAY	0.000 MILES
NET LENGTH OF BRIDGES	0.040 MILES
NET LENGTH OF PROJECT	0.040 MILES
LENGTH OF EXCEPTIONS	0.000 MILES
GROSS LENGTH OF PROJECT	0.040 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.

CONSULTING ENGINEERING FIRM

CDMSmith

COLUMBIA, SOUTH CAROLINA

ENGINEER OF RECORD

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

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

FOR CONSTRUCTION :  

Designed by:  
Stuart F. Healy  
A2291BC0465A40A

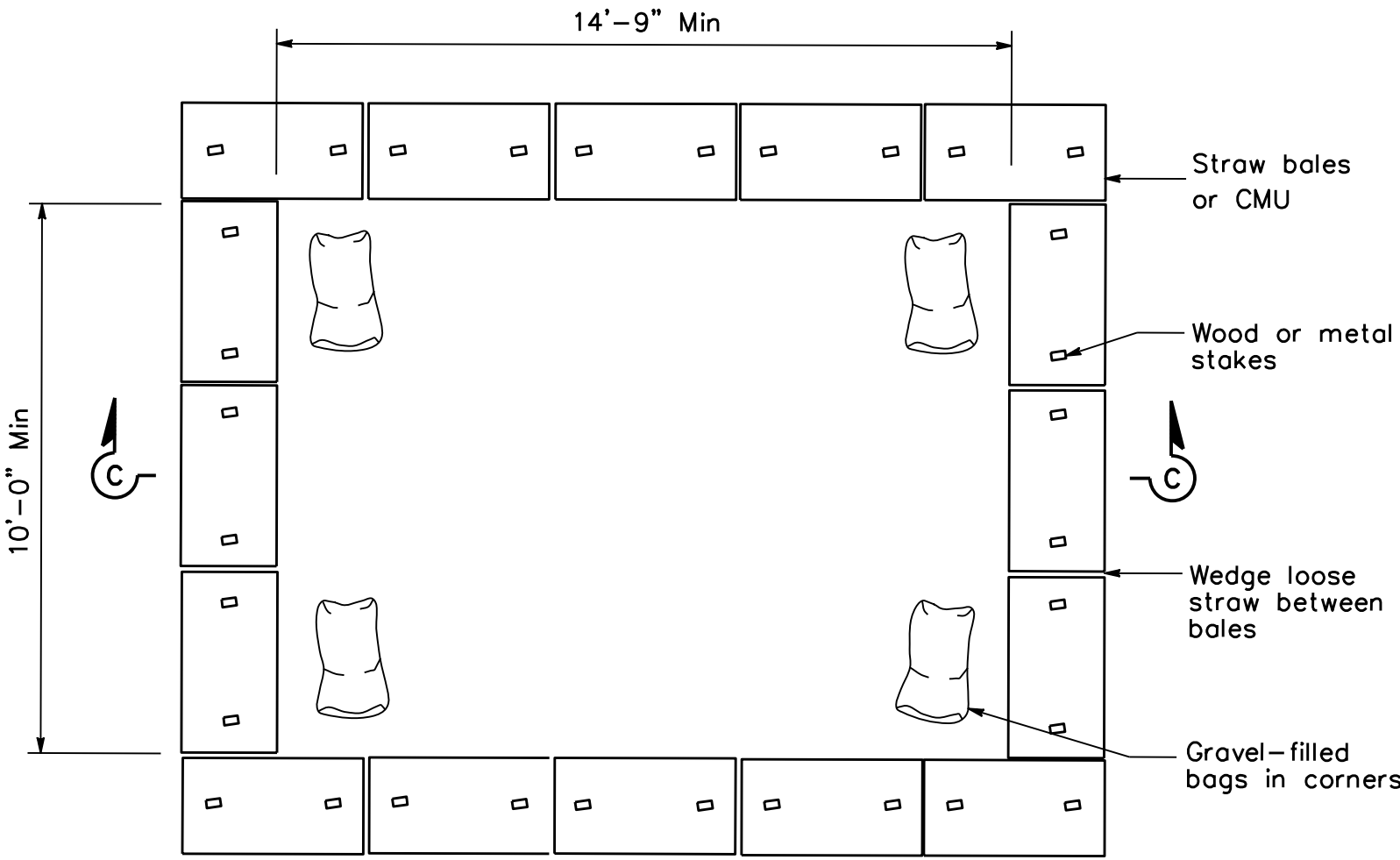
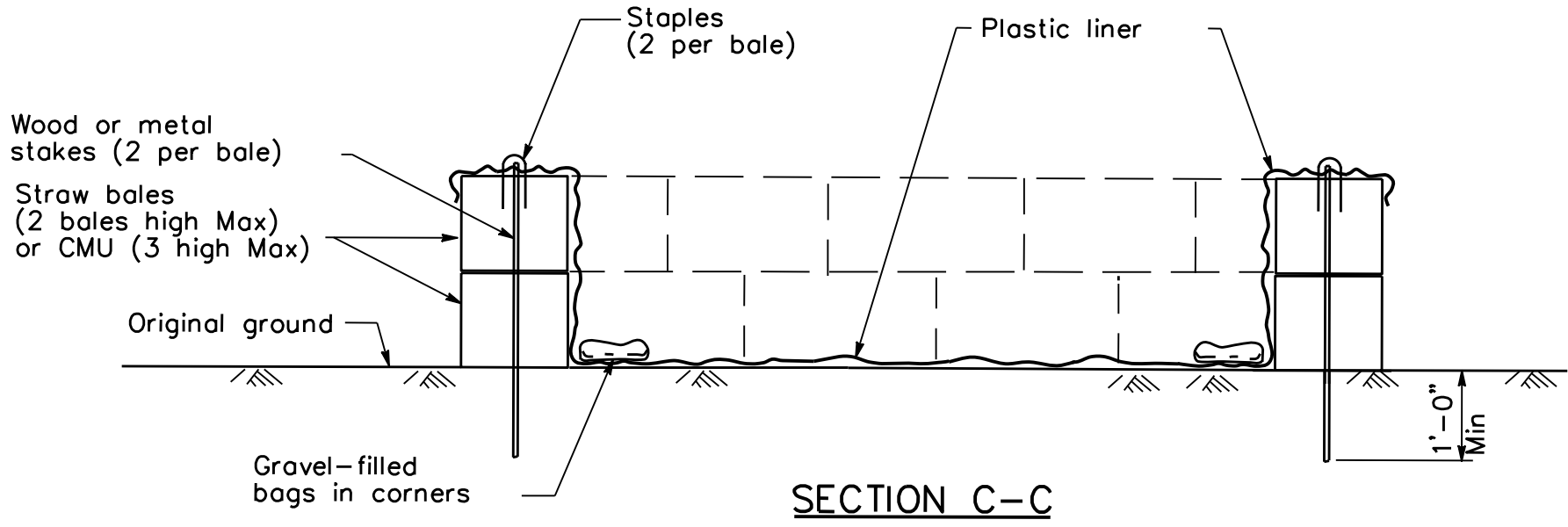
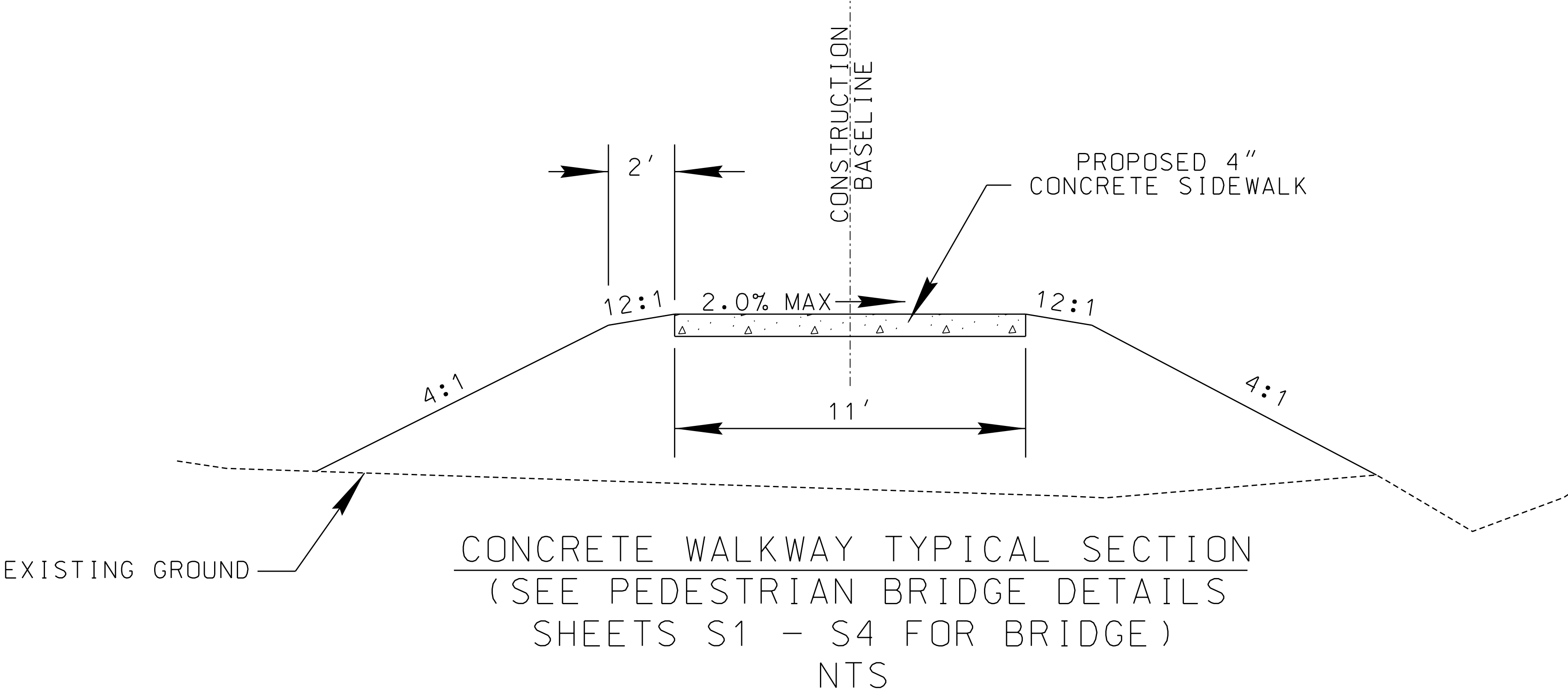
9/3/2019  
DATE

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\$\$\$date\$\$\$



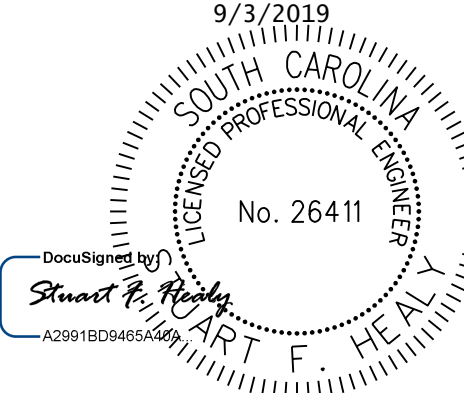
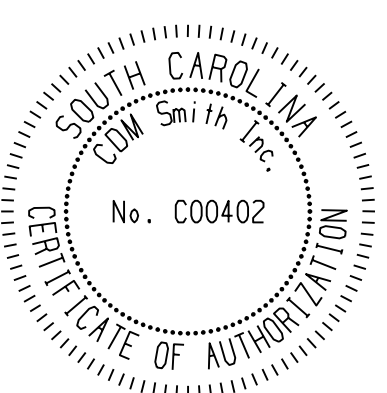
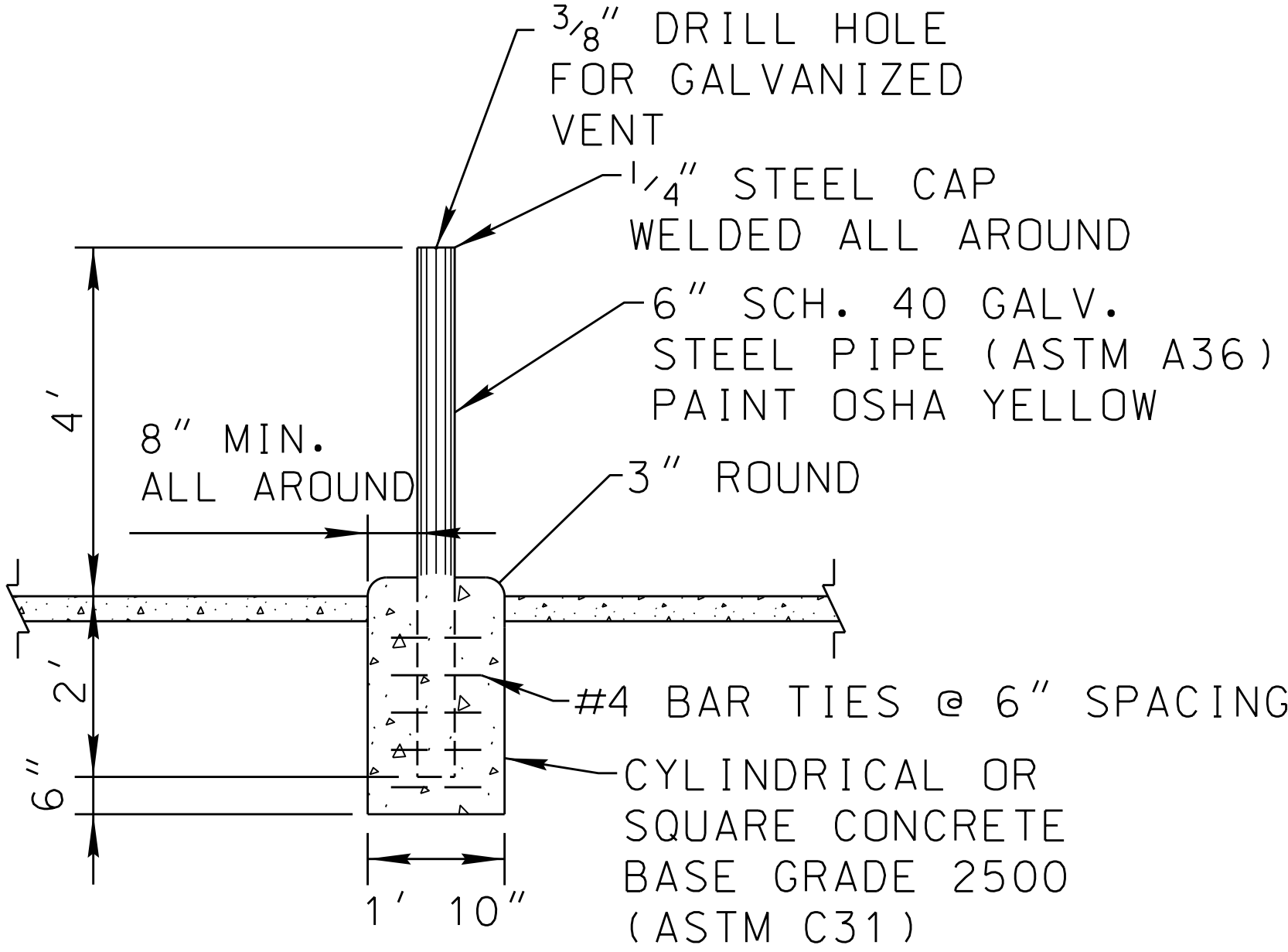
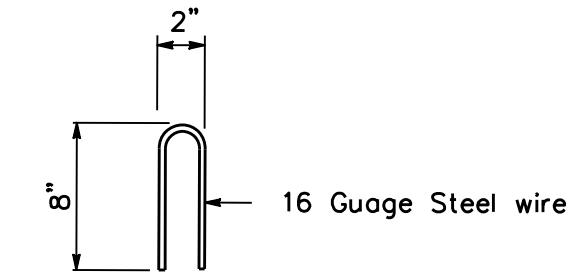
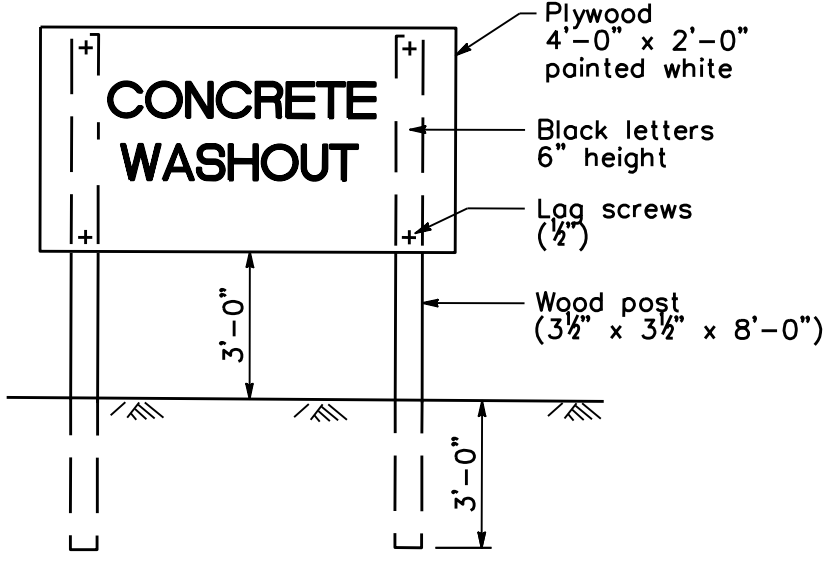


FED. NO. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	SC	CHARLESTON		P027567		3



**NOTES:**

- Cost for this item complete shall be incidental to the contract bid item for Mobilization. This shall include but not be limited to construction, maintenance, removal, disposal and restoration for this item by the Contractor.
- Contractor shall remove all concrete and soil materials and dispose of offsite, and restore the site to original or better condition.
- The concrete washout sign shall be installed within 32'-10" of the temporary concrete washout facility.
- Plastic liner shall be anchored with gravel-filled bags for below grade concrete washout facility.



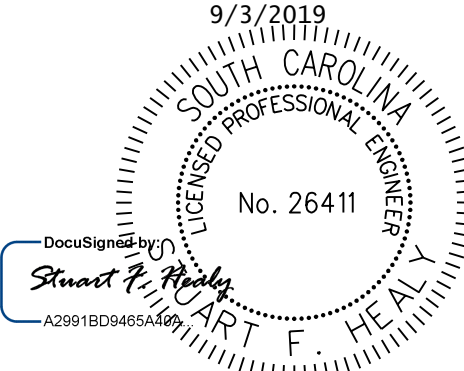
**CDM  
Smith**

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			
DGN.	DATE		PLOTTED - 7/31/2019
DWG.	DATE		DIRECTORY - ...\\211.RoadDes\DGN\sheet_3.dgn
CKD.	DATE		

BERKELY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS
CDM SMITH
McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK TYPICAL SECTION /DETAIL
SCALE: 1" =NA
SHEET 3

FED. RD. DIST. NO.	STATE	COUNTY	PROJECT ID NO.		ROUTE NO.	SHEET NO.	
	S.C.	CHARLESTON	P027567			4	

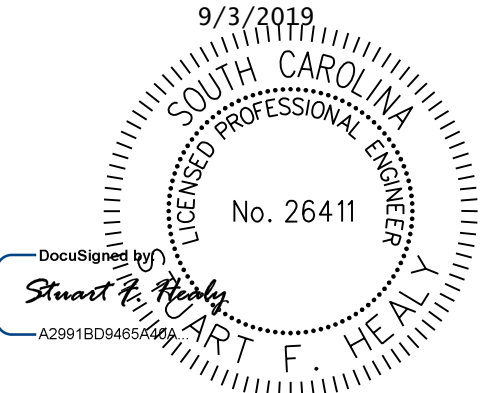
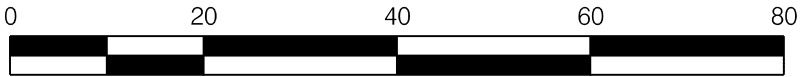
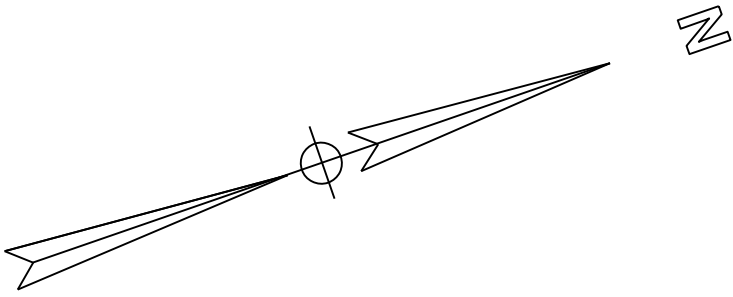
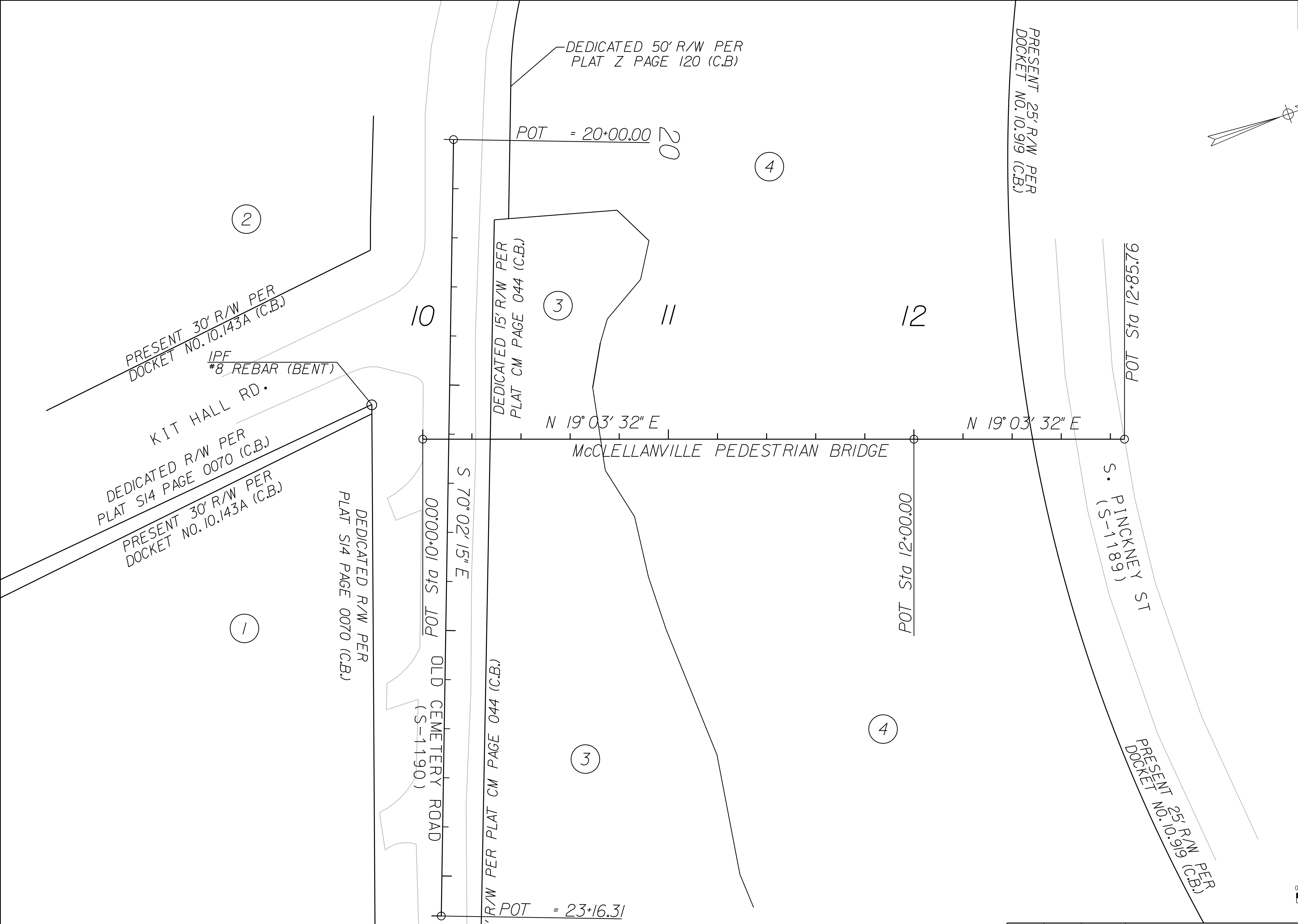
REVISIONS						
DATE	TRACT NO.	REMARKS		DATE	TRACT NO.	REMARKS
11/05/16	1	ADDED PERMISSION				



SCALE:	SHEET 4
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FED. NO. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	SC	CHARLESTON		P027567		4A



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DGN.	DATE		PLOTTED - 8/12/2019
DWG.	DATE		DIRECTORY - ...\\211.RoadDes\\DGN\\sheet_4A.dgn
CKD.	DATE		

BERKELY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS		
CDM SMITH		
McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK PROPERTY STRIP MAP		
SCALE: 1" = 20'		SHEET 4A



## 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	
UNCLASSIFIED EXCAVATION .....	50	CY	
TEMPORARY EROSION CONTROL BLANKET (ECB) CLASS B .....	0.5	MSY	FOR EROSION CONTROL
SEDIMENT TUBE .....	100	LF	FOR EROSION CONTROL

## TRAFFIC CONTROL INCLUSION ITEMS

ITEM DESCRIPTION	QUANTITY	UNIT
PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED) SCHEME 'A' FOR WORK ON ROADWAY (STANDARD DRAWING 605-010-01)	236	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 COMPILED FROM FIELD SURVEYS AND RESEARCH OF PROPERTY OWNER PLATS AND DEEDS.

## NOTES TO CONTRACTOR

- 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.
- 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.
- REMOVAL AND RESETTING OF EXISTING STREET SIGNS TO BE INCLUDED UNDER ITEM 2031000 – UNCLASSIFIED EXCAVATION IN ACCORDANCE WITH SCDOT STANDARDS.
- 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.
- 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.
- 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.
- THE CLEARING AND GRUBBING LIMITS SHALL INCLUDE THE ENTIRE AREA WITHIN THE CLEARING LIMITS
- 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.
- 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.
- 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.
- ALL DISTURBED AREAS SHALL BE GRASSED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING. PRICE TO BE INCLUDED UNDER ITEM 8100101 – 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.
- THIS PROJECT HAS BEEN DEVELOPED PER AASHTO 2012 "GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES", THE SCDOT ADA TRANSITION PLAN, AND THE 20015 REVISED DRAFT GUIDELINES FOR PUBLIC RIGHTS-OF-WAY

## EROSION CONTROL NOTES

- 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.
- 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 has ceased, except as stated below.
  - Where stabilization by the 14th day is precluded by snow cover or frozen ground conditions stabilization measures must be initiated as soon as practicable.
  - Where construction activity on a portion of the Site is temporarily ceased, and earth-disturbing activities will be resumed within 14 days, temporary stabilization measures do not have to be initiated on that portion of the Site.

3. All sediment and erosion control devices shall be inspected 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 of identification.

4. Provide silt fence and/or other control devices, as may be required, to control soil erosion during utility construction. All disturbed areas shall be cleaned, graded, and stabilized with grassing immediately after the utility installation. Fill, cover, and temporary seeding at the end of each day are recommended. If water is encountered while trenching, the water should be filtered to remove sediment 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. Residential subdivisions require erosion control features for infrastructure as well as for individual lot construction. Individual property owners shall follow these plans during construction or obtain approval of an individual plan in accordance with S.C Reg. 72-300 et seq. and SCR100000.

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 buffer should be maintained between the last row of silt fence and all WoS.

10. Litter, construction debris, oils, fuels, and building products with significant potential for impact (such as stockpiles of freshly treated lumber) and construction chemicals that could be exposed to 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-disturbing activities 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:

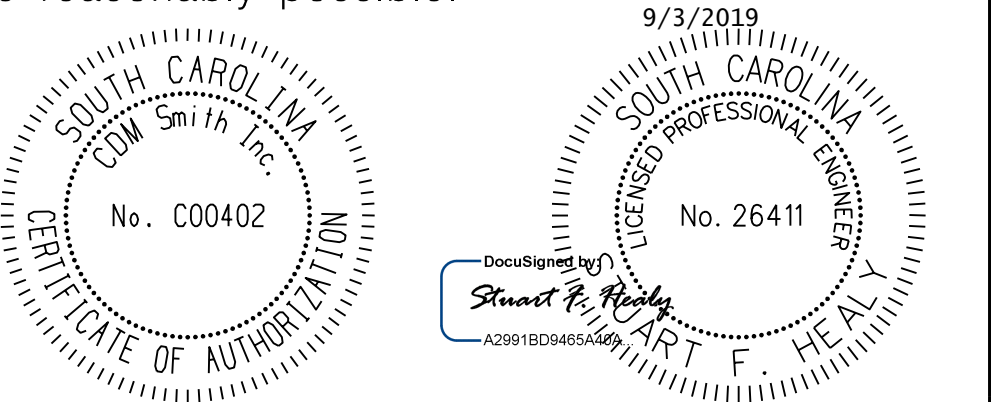
- Wastewater from washout of concrete, unless managed by an appropriate control;
- Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;
- Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and
- Soaps or solvents used in vehicle and equipment washing.

17. After construction activities begin, inspections must be conducted at a minimum of at least once every calendar week and must be conducted until final stabilization is reached on all areas of the construction site.

18. If existing BMPs need to be modified or if additional BMPs are necessary to comply with the requirements 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.

19. 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.

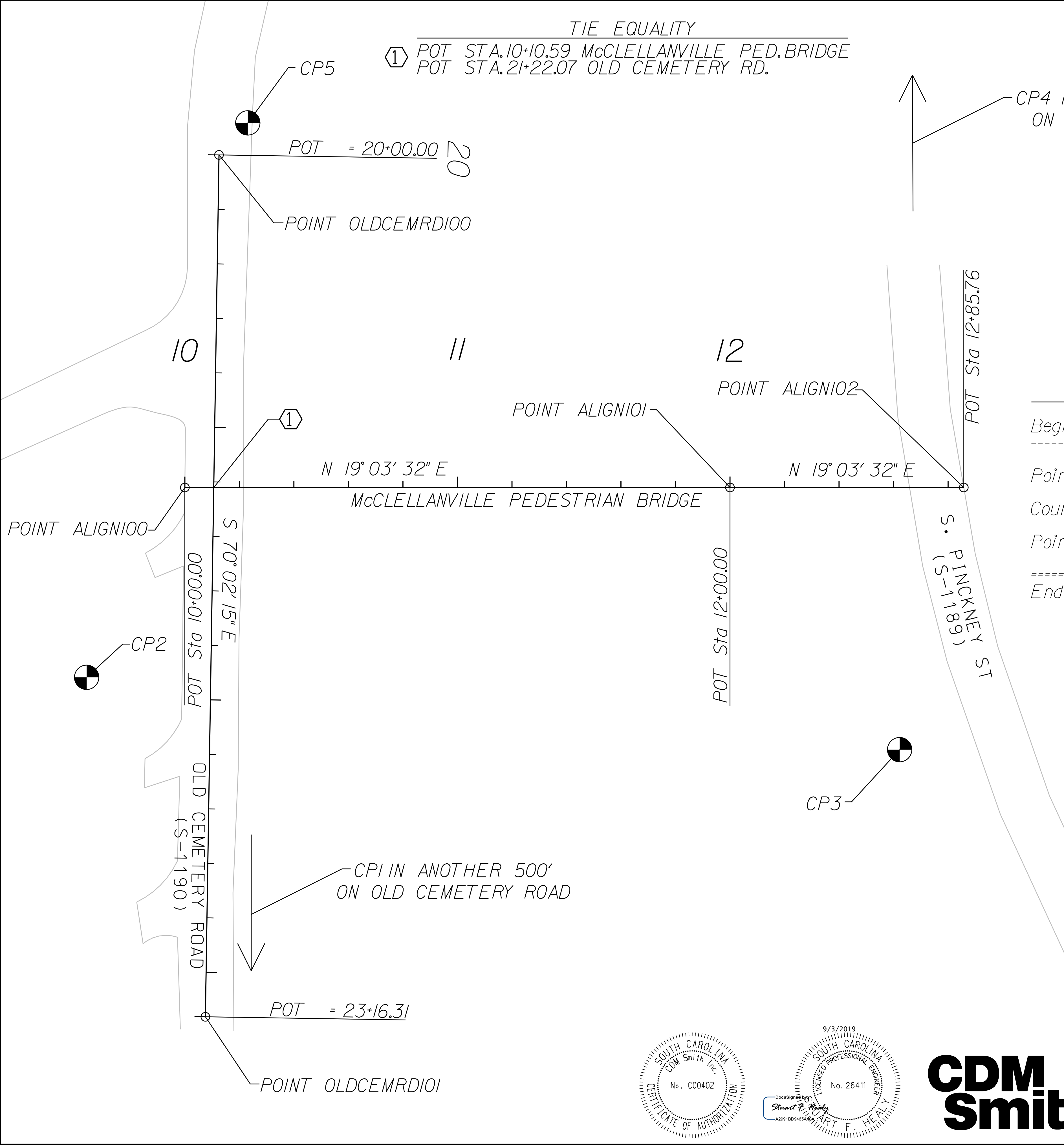
FED. RD. NO./RW. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	SC	CHARLESTON		P027567		5



4				BERKELY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS
3				
2				CDM SMITH
1				McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK GENERAL CONSTRUCTION NOTES
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
DGN. _____	DATE _____		PLOTTED - 7/31/2019	
DWG. _____	DATE _____		DIRECTORY - ...\\211.RoadDes\DWG\sheet_5.dgn	
CKD. _____	DATE _____			
SCALE: 1" =NA				SHEET 5



FED. NO. DW. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	SC	CHARLESTON		P027567		5A



PROJECT SURVEY CONTROL POINTS & BENCHMARKS					
HORIZONTAL CONTROL POINTS					
DESIGNATION	NORTH	EAST	ELEVATION	CODE	DESCRIPTION
CP1	461075.1213	2468011.2940	8.27	PSC	*5 REBAR W/ AI CAP
CP2	461158.5643	2467380.8280	6.88	PSC	*5 REBAR W/ AI CAP
CP3	461431.7988	2467503.3210	8.79	MSC	*5 REBAR W/ AI CAP
CP4	461579.7358	2497077.4090	9.06	MSC	*5 REBAR W/ AI CAP
CP5	461280.8857	2467207.8550	6.50	MSC	MAG NAIL W/ WASHER

OLD CEMETERY ROAD (S-1190)

Beginning chain OLDCEMRD description  
=====

Point OLDCEMRD100 N 461,267.0494 E 2,467,215.4980 Sta 20+00.00

Course from OLDCEMRD100 to OLDCEMRD101 S 70° 02' 15.20" E Dist 316.3133

Point OLDCEMRD101 N 461,59.0587 E 2,467,512.8062 Sta 23+16.31

=====

Ending chain OLDCEMRD description

McCLELLANVILLE PEDESTRIAN BRIDGE

Beginning chain ALIGN\_PEDBRIDGE description  
=====

Point ALIGN100 N 461,215.3621 E 2,467,326.7720 Sta 10+00.00

Course from ALIGN100 to ALIGN101 N 19° 03' 31.68" E Dist 200.0000

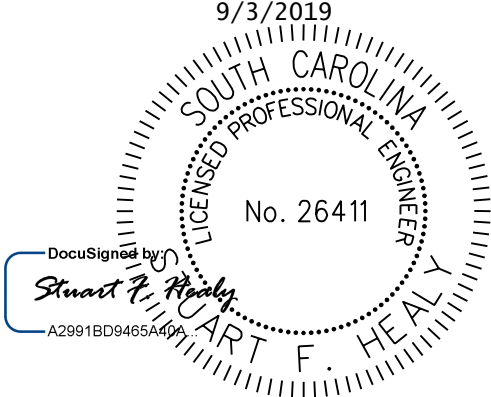
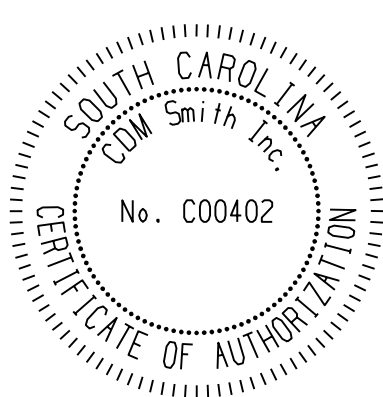
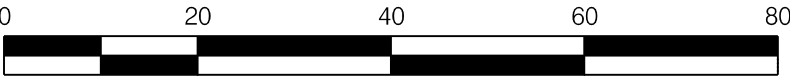
Point ALIGN101 N 461,404.3989 E 2,467,392.0796 Sta 12+00.00

Course from ALIGN101 to ALIGN102 N 19° 03' 31.68" E Dist 85.7625

Point ALIGN102 N 461,485.4602 E 2,467,420.0844 Sta 12+85.76

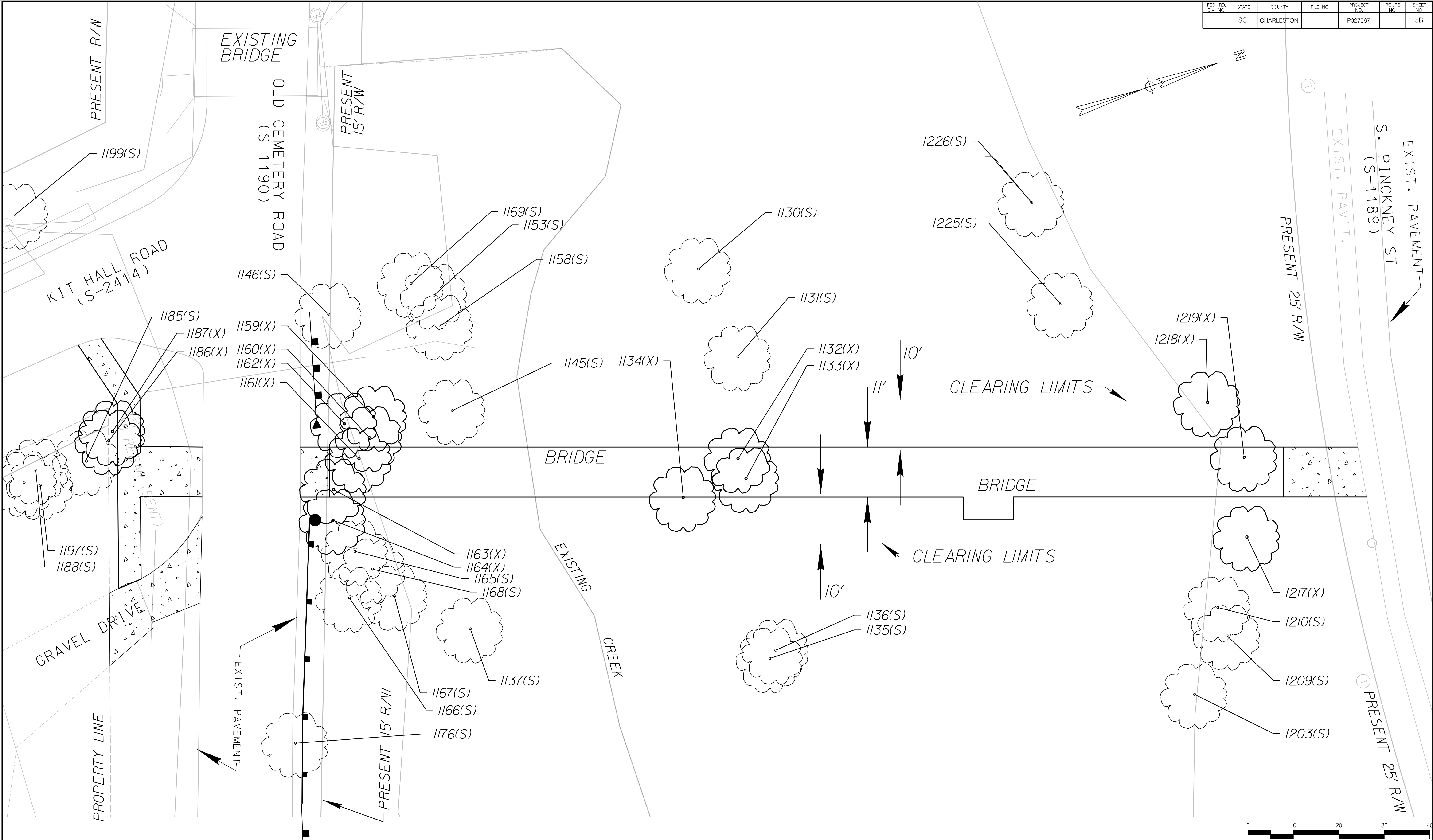
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Ending chain ALIGN\_PEDBRIDGE description



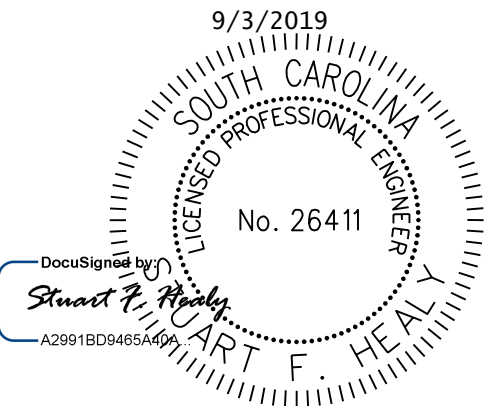
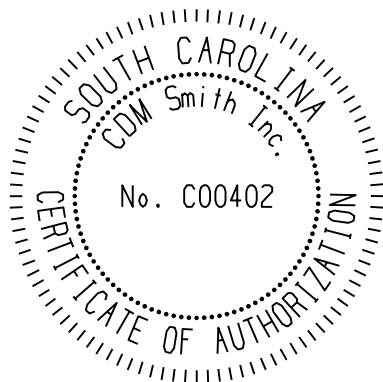
4				BERKELY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	CDM SMITH
DGN.	DATE		PLOTTED - 8/12/2019	
DWG.	DATE		DIRECTORY - ...\\211.RoadDes\\DGN\\sheet_5A.dgn	
CKD.	DATE			
SCALE: 1" = 20'				SHEET 5A

FED. NO. DW. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	SC	CHARLESTON		P027567		5B



1132(S) TREE NAME (SAVE)  
1132(X) TREE NAME (REMOVE)

SEE SHEET 5C FOR TREE PROTECTION/REMOVAL  
TABLE & TREE PROTECTION DETAIL.



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DGN.	DATE		PLOTTED - 7/31/2019
DWG.	DATE		DIRECTORY -
CKD.	DATE		...sheet_SB_TREE Rem Sheet_REV01.dgn

BERKELY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS	
CDM SMITH	
McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK TREE REMOVAL \ PROTECTION PLAN	
SCALE: 1" = 10'	SHEET 5B



FED. NO. DW. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	SC	CHARLESTON		P027567		5C

TREE REMOVAL / PROTECTION TABLE

SURVEY ID NUMBER	NORTHING	EASTING	SPECIES	TOTAL/ CUMULATIVE DBH	CLASSIFICATION	PROPOSED ACTION S = SAVE X = REMOVE	TREE TAG NUMBER	PROTECTED TREES
1130	461333.13	2467320.18	PINE	13"		S	169	
1131	461335.05	2467341.26	CEDAR	10"	SIGNIFICANT	S	168	PROTECTED
1132	461327.74	2467362.49	PINE	13"		X	170	
1133	461328.00	2467367.16	PINE	13"		X	171	
1134	461313.56	2467366.61	CEDAR	8"	SIGNIFICANT	X	172	
1135	461320.02	2467406.34	PINE	13" DEAD		S	173	
1136	461321.83	2467405.05	CEDAR	9"	SIGNIFICANT	S	174	PROTECTED
1137	461259.81	2467378.64	LIVEOAK	23"	SIGNIFICANT	S	175	PROTECTED
1145	461271.78	2467331.92	CEDAR	30"	GRAND	S	176	PROTECTED
1146	461252.95	2467303.01	LIVEOAK	26"	GRAND	S	177	PROTECTED
1153	461276.30	2467306.60	LIVEOAK	13"	SIGNIFICANT	S	178	PROTECTED
1158	461275.31	2467313.45	PINE	8"		S	179	
1159	461254.98	2467327.60	PINE	11"		X	180	
1160	461252.53	2467331.56	PINE	11"		X	181	
1161	461248.88	2467335.21	PINE	10"		X	182	
1162	461248.35	2467326.91	PINE	10"		X	184	
1163	461241.36	2467339.87	OAK	10"	SIGNIFICANT	X	183	
1164	461239.02	2467346.16	OAK	12"	SIGNIFICANT	X	185	
1165	461241.38	2467354.24	OAK	10"	SIGNIFICANT	S	186	PROTECTED
1166	461236.87	2467363.53	OAK	10"	SIGNIFICANT	S	187	PROTECTED
1167	461246.37	2467366.42	OAK	8"	SIGNIFICANT	S	188	PROTECTED
1168	461243.77	2467359.21	OAK	9"	SIGNIFICANT	S	189	PROTECTED
1169	461272.32	2467302.50	LIVEOAK	6"		S	NONE	
1176	461215.19	2467389.88	LIVEOAK	23"	SIGNIFICANT	S	190	PROTECTED
1185	461191.98	2467316.16	PINE	18"		S	191	
1186	461198.11	2467313.50	PINE	15"		X	192	
1187	461199.54	2467311.85	PINE	15"		X	193	
1188	461180.80	2467314.37	LIVEOAK	19"	SIGNIFICANT	S	194	PROTECTED
1197	461180.64	2467317.87	LIVEOAK	7"		S	196	
1199	461194.83	2467259.77	CEDAR	18"	SIGNIFICANT	S	195	PROTECTED
1203	461405.80	2467444.36	LIVEOAK	5"		S	NONE	
1209	461416.79	2467434.52	PINE	15"		S	5	
1210	461416.89	2467427.95	LIVEOAK	14"	SIGNIFICANT	S	8	
1217	461428.02	2467415.37	GUM	12"	SIGNIFICANT	X	2	PROTECTED
1218	461429.49	2467384.54	PINE	17"		X	7	
1219	461433.19	2467398.59	LIVEOAK	5"		X	NONE	
1225	461406.04	2467353.46	PINE	20"	GRAND	S	4	PROTECTED
1226	461407.26	2467330.31	LIVEOAK	26"	GRAND	S	1	PROTECTED

TREE PROTECTION DETAIL

Diagram illustrating the tree protection detail. It shows a tree with a critical root zone (CRZ) indicated by a dashed circle. A fence, labeled "CHAIN LINK OR POLYVINYL (ORANGE) FENCE TO BE PLACED FOR TREE PROTECTION", is shown around the CRZ. The fence is 48 inches high and is secured to posts with galvanized wire. The posts are 1-inch diameter metal or PVC, secured to posts through caps. The fence is 24 inches minimum from the existing grade. The CRZ is labeled "CRITICAL ROOT ZONE TO BE PROTECTED".

NOTES:

- BARRICADES SHALL BE INSTALLED AROUND ALL TREES INDICATED IN THE TABLE ABOVE (SIGNIFICANT AND GRAND TREES IN OR NEAR DEVELOPMENT AREA).
  - GRAND TREES ARE TREES HAVING A CIRCUMFERENCE EQUAL TO OR GREATER THAN 76 INCHES AS MEASURED AT 4.5 FT ABOVE GROUND LEVEL (CBH).
  - SIGNIFICANT TREES ARE TREES, EXCLUDING PINES, HAVING A CIRCUMFERENCE EQUAL TO OR GREATER THAN 35 INCHES AS MEASURED AT CBH.
- PROTECTIVE BARRICADES SHALL BE PLACED AROUND THE CRITICAL ROOT ZONE PRIOR TO START OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
  - CRITICAL ROOT ZONE IS THE CIRCULAR AREA ON THE GROUND EQUIVALENT TO THE AREA WITHIN THE TREES DRIPLINE, OR A CIRCLE AROUND THE TRUNK WITH A RADIUS EQUIVALENT TO 1.5 FEET FOR EVERY 3.14 INCHES IN CIRCUMFERENCE, WHICHEVER IS GREATER.
  - IF BARRICADES AFFECT CONSTRUCTION ACTIVITY, THE ZONING ADMINISTRATOR MAY GRANT PERMISSION FOR THE DEVELOPER TO RETREAT BARRICADING TO NO LESS THAN 1 FT. PER EVERY 3.14 INCHES OF CIRCUMFERENCE OF THE TREE PROVIDED THAT A 4 INCH LAYER OF WOOD MULCH OR PINE STRAW COVERS THE UNENCLOSED GROUND WITHIN THE CRITICAL ROOT ZONE.

RAILS TO BE 1" DIAMETER METAL OR PVC SECURED TO POSTS THROUGH CAPS

POSTS TO BE 1" DIAMETER METAL W/CAPS @ 5' O.C.

EXISTING GRADE

24" MIN.

CRITICAL ROOT ZONE TO BE PROTECTED

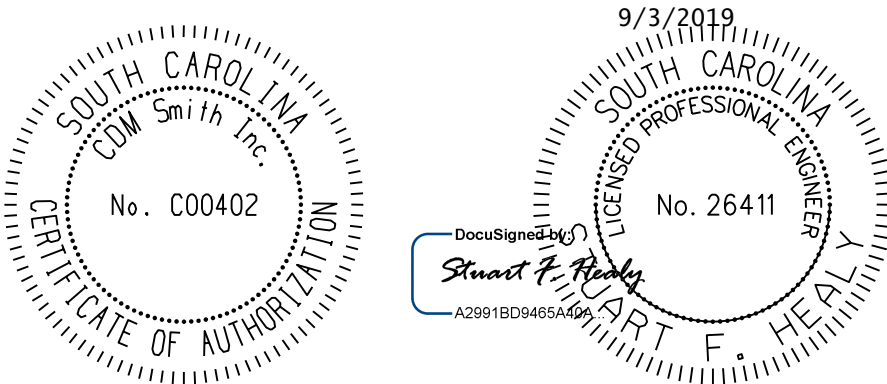
48"

CHAIN LINK OR POLYVINYL (ORANGE) FENCE TO BE PLACED FOR TREE PROTECTION.

SECURE FENCE TO POSTS & RAIL WITH GALV. WIRE

TREE PROTECTION DETAIL  
(CHAIN LINK OR POLYVINYL)

• SEE TOWN OF McCLELLANVILLE ZONING AND LAND DEVELOPMENT ORDINANCE FOR FURTHER INFORMATION ON TREE PROTECTION AND TREE REMOVAL



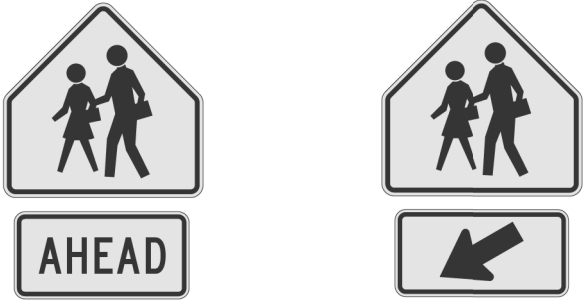
4				BERKELY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS
3				
2				CDM SMITH
1				McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK TREE REMOVAL \ PROTECTION PLAN
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	SCALE: NA
DGN.	DATE		PLOTTED - 7/31/2019	SHEET 5C
DWG.	DATE		DIRECTORY - ..\sheet_SC_TREE Rem Sheet_TABLE.dgn	
CKD.	DATE			



FED. NO. DW. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
	SC	CHARLESTON		P027567		6

NOTES

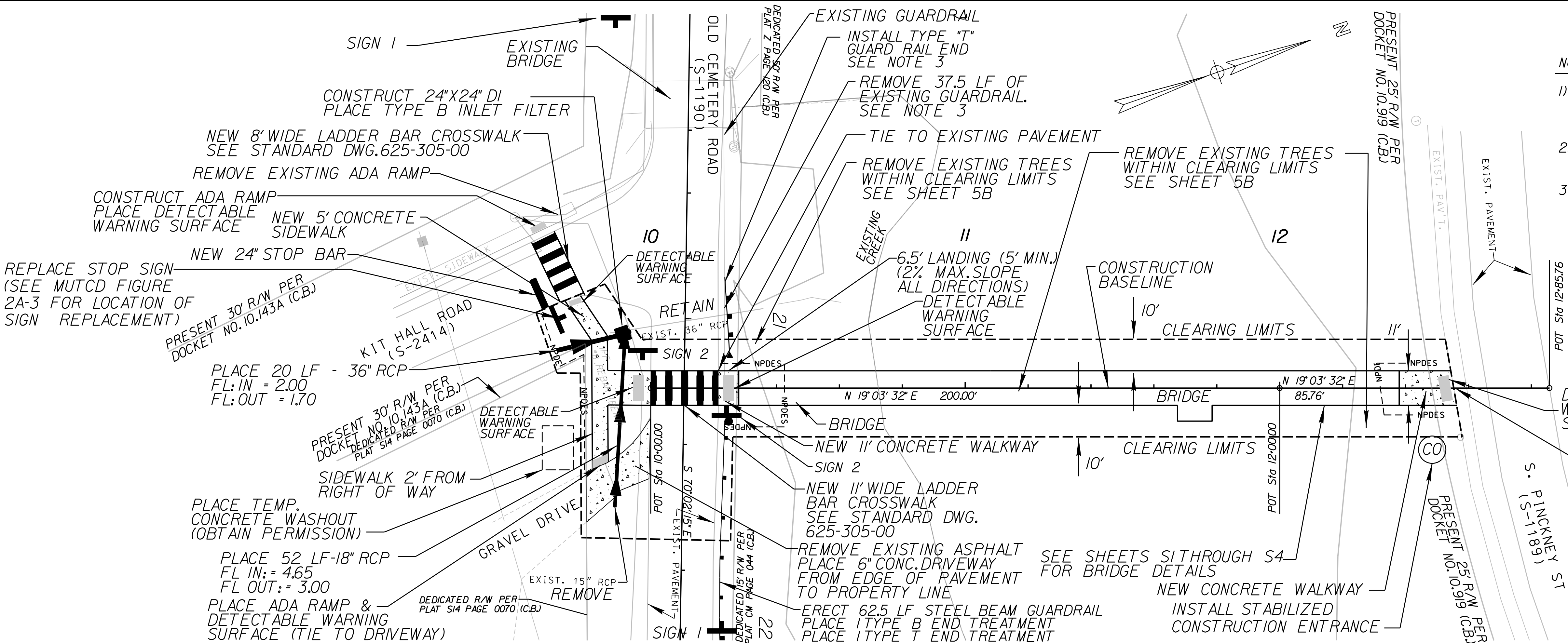
- 1) INSTALL ADA COMPLIANT PEDESTRIAN CURB RAMP  
RAMP WITH DETECTABLE WARNING SURFACES  
AT ALL NEW ROAD CROSSINGS.SCDOT STANDARDS.
- 2) SIGN 2 = SI-1 AND W16-7P.  
SIGN 1 = SI-1 AND W16-9P
- 3) REMOVE PORTION OF EXISTING GUARDRAIL AS  
SHOWN.INSTALL TYPE "T" END TREATMENT  
PER SCDOT STANDARD DWG.805-705-00.



SIGN 1  
SIGN 2  
SIGNS TO BE FLOURESCENT  
YELLOW - GREEN



SIGN 3 (BLACK & WHITE)  
TO BE PLACED AT BOTH  
ENDS OF BRIDGE



CONSTRUCTION SEQUENCE:

1. INSTALL GRAVEL CONSTRUCTION ENTRANCES
2. INSTALL TEMPORARY FENCING AND EROSION CONTROL MEASURES
3. SELECTIVELY CLEAR, AND GRUB PORTIONS OF WORK AREA
4. GRADE PROPOSED WORK AREAS
5. INSTALL STRUCTURES (BRIDGE AND DRAINAGE)
6. STABILIZE DISTURBED AREAS AND MAINTAIN ALL MEASURES.
7. FINALIZE LANDSCAPING, PLANTING AND GRASSING
8. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES

SEEDING SCHEDULE – PERMANENT VEGETATION

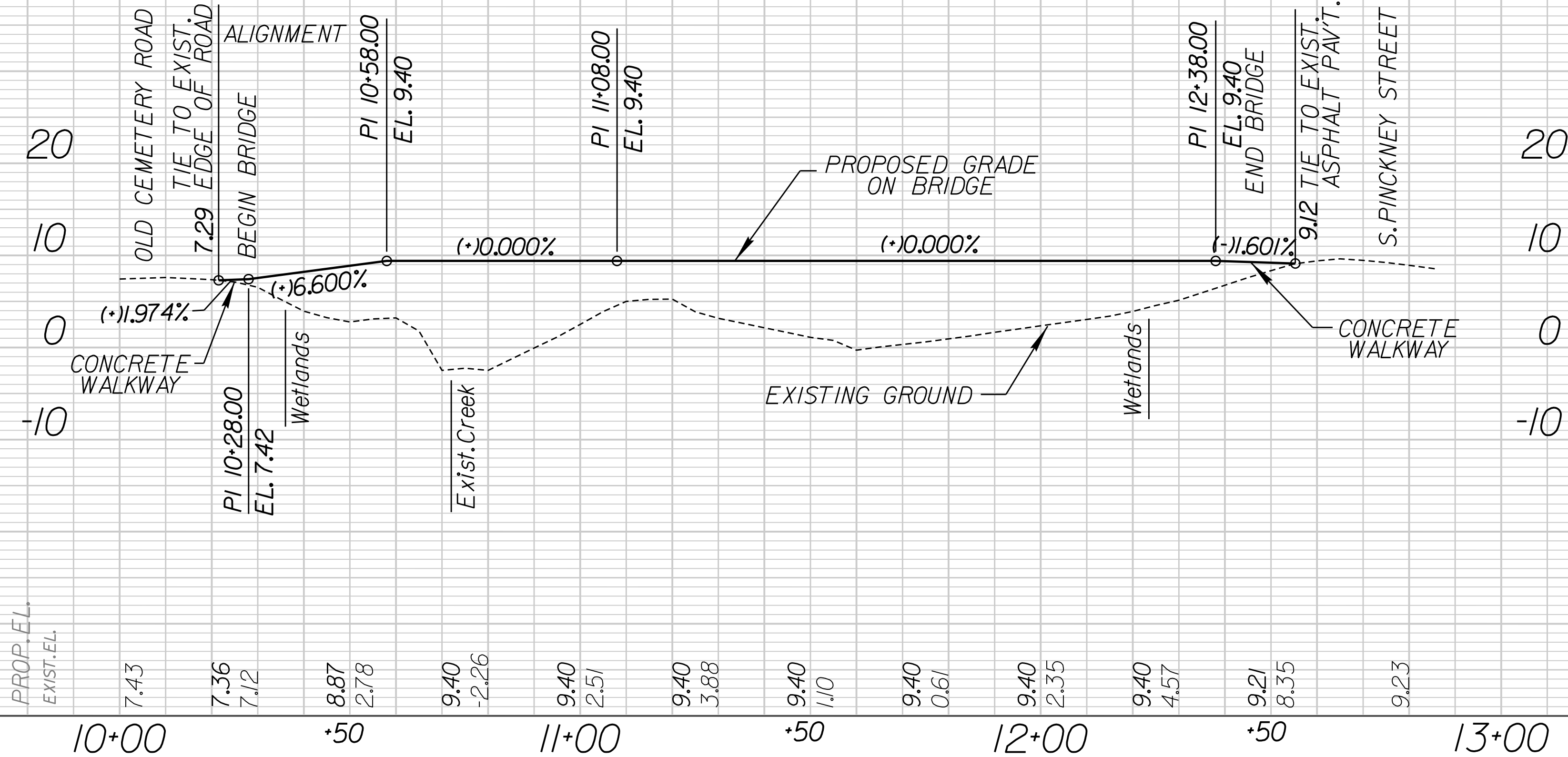
(Use only on non-channel disturbed areas)

MARCH 1 TO AUGUST 30

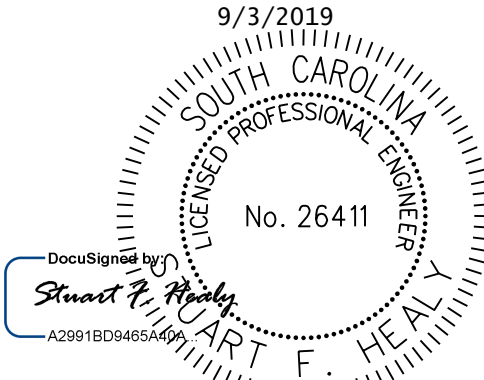
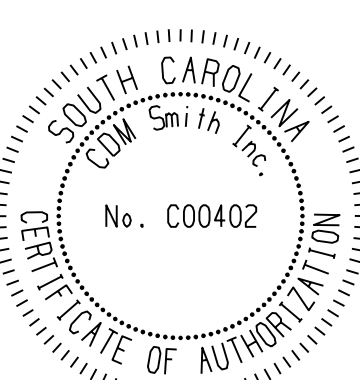
- COMMON BERMUDA (HULLED) – 50 LBS PER ACRE
- BROWN TOP MILLET – 10 LBS PER ACRE
- FERTILIZER (10-10-10) – 1000 LBS PER ACRE
- AGRICULTURAL LIME – 2000 LBS PER ACRE
- STRAW OR HAY MULCH – 2000 LBS PER ACRE

AUGUST 30 TO FEBRUARY 28

- COMMON BERMUDA (UNHULLED) – 60 LBS PER ACRE
- RYE GRAIN (DO NOT USE ANNUAL ITALIAN RYE GRASS) – 40 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



USE PERMANENT CONSTRUCTION SIGNS SCHEME 'A' FOR ROADWAYS

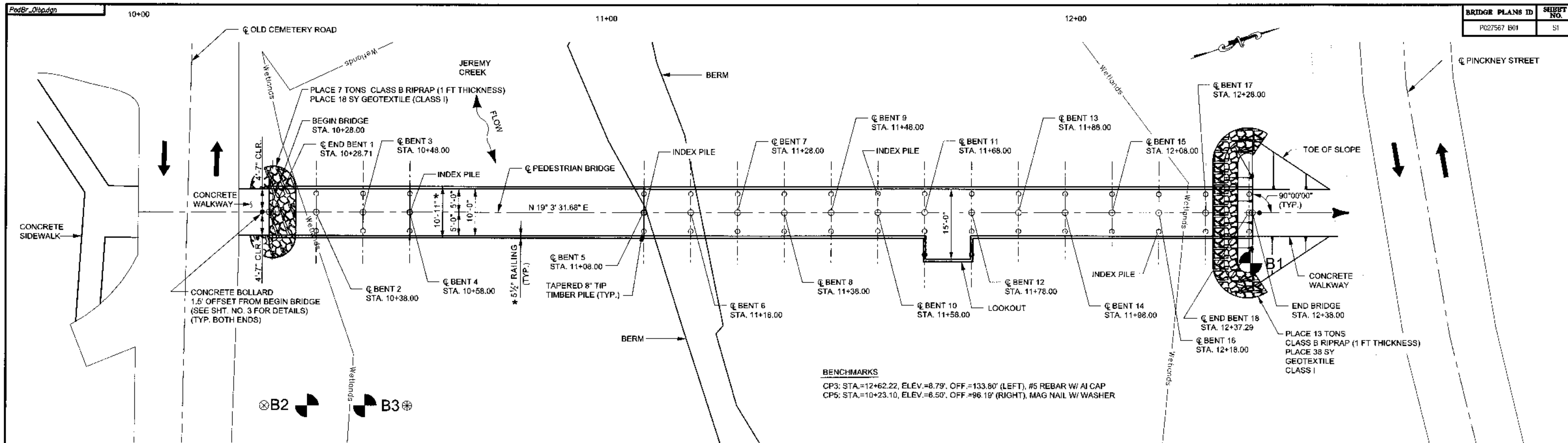


CDM  
Smith

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DGN.	DATE		PLOTTED -
DWG.	DATE		9/12/2019
CKD.	DATE		DIRECTORY -
			...\\DGN\\sheet_6_Plan_Sheet.dgn

BERKELY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS
CDM SMITH
McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK PLAN AND PROFILE SHEET
SCALE: 1" = 20'
SHEET 6





## BENCHMARKS

CP3: STA.=12+62.22, ELEV.=8.79', OFF.=133.80' (LEFT), #5 REBAR W/ AL CAP  
CP5: STA.=10+23.10, ELEV.=6.50', OFF.=96.19' (RIGHT), MAG NAIL W/ WASHER

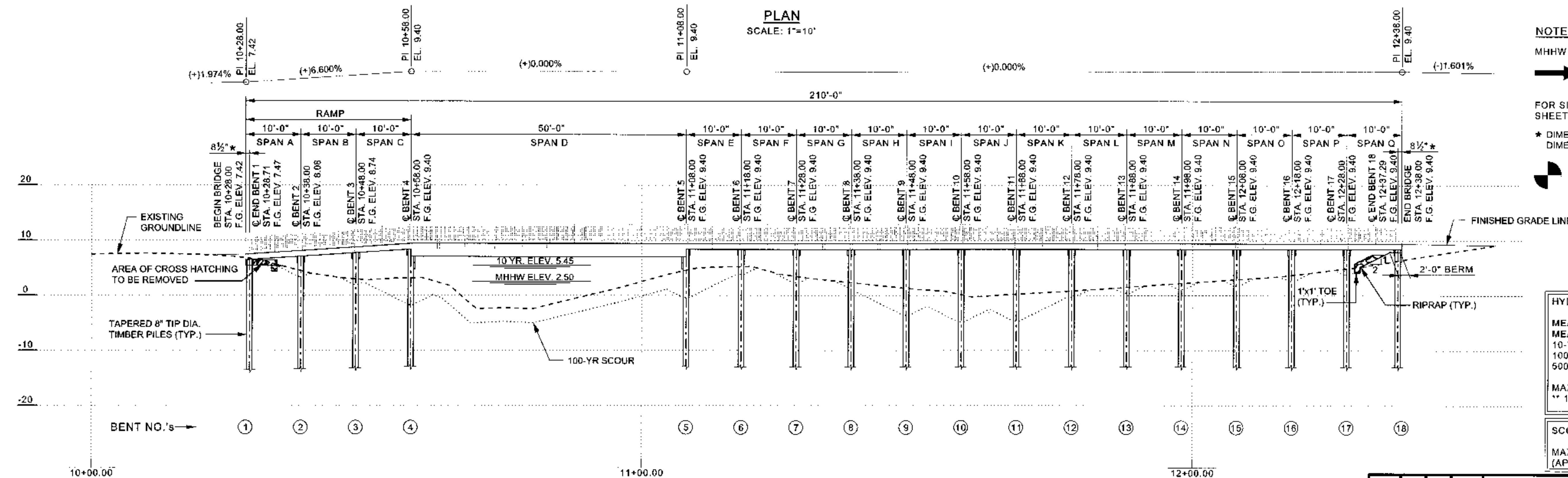
## NOTES:

MHHW - DENOTES MEAN HIGHER HIGH WATER

 - DENOTES DIRECTION OF ONE LANE OF TRAFFIC.

FOR SIDEWALK DETAILS NOT SHOWN, SEE  
SHEET NO. 8.

\* DIMENSION BASED ON ACTUAL LUMBER DIMENSIONS.

 - DENOTES SPT BORING

## HYDROLOGY DATA:

MEAN HIGHER HIGH TIDE ELEV. = 2.50  
MEAN LOWER LOW TIDE ELEV. = -2.91  
10-YEAR TIDAL SURGE ELEV. = 5.45  
100-YEAR STILLWATER ELEV. = 11.49  
500-YEAR STILLWATER ELEV. = 16.59

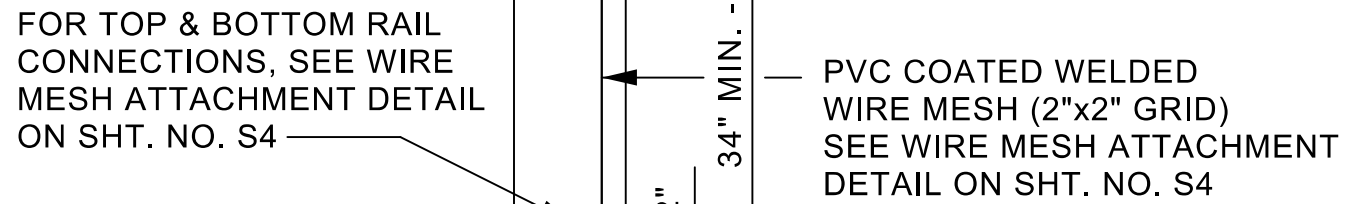
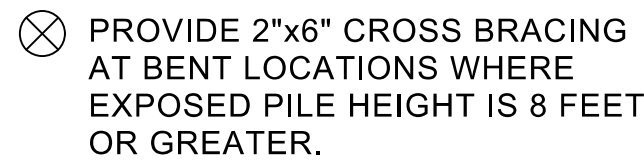
MAX. VEL. WITHIN BRIDGE = 4.17 FT/SEC \*  
\*\* 100-YEAR VELOCITY

## SCOUR DATA: 100-YEAR

MAX. TOTAL SCOUR DEPTH = 5.5 FEET  
(APPLIES TO ALL BENTS FOR DESIGN)

REV.				<b>BERKELEY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS</b>
REV.				
REV.				
<b>BRIDGE PLAN AND PROFILE</b>				<b>McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK</b>
<b>REVIEWED</b>				
<b>QUAN.</b>				
<b>DR.</b> WRS WSO 5-15				
<b>DES.</b> WRS WSO 5-15				<b>COUNTY</b> CHARLESTON
<b>BY CHL DATE</b>				
				<b>ROUTE</b>

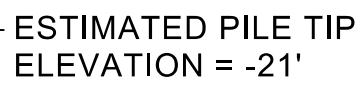




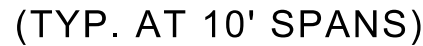
(RAILING AT 10' SPANS SHOWN)  
(RAILING AT OTHER LOCATIONS SIMILAR)



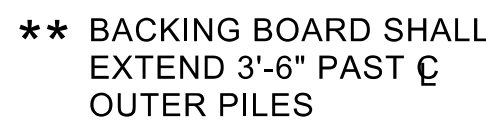
5/4"x6" DECKING ATTACH WITH  
2 - #10x2 1/2" DECK SCREW  
MAINTAIN 3/8" GAP BETWEEN BOARDS  
(SEE RAMP NOTES)



(TYP. AT 10' SPANS)



\* DIMENSION BASED ON ACTUAL LUMBER DIMENSIONS.



END BENT DETAIL

PROVIDE ALL MATERIAL AND WORKMANSHIP IN ACCORDANCE WITH THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION 2007 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS.

INCLUDE ALL COSTS FOR LABOR, EQUIPMENT, MATERIALS, AND OTHER ITEMS NECESSARY TO PROVIDE THE BRIDGE, EXCEPT FOR TIMBER PILING IN THE UNIT PRICE BID FOR TIMBER BOARDWALK (10' WIDE). INCLUDE A COSTS TO FURNISH AND INSTALL TREATED TIMBER PILES IN THE UNIT PRICE BID FOR TREATED TIMBER PILING.

INCLUDE ALL COST OF EXCAVATION NECESSARY TO CONSTRUCT BENTS  
IN THE UNIT PRICE BID FOR TIMBER BOARDWALK (10' WIDE).

ALL GLULAM JOISTS AND DIAPHRAGMS SHALL BE COMBINATION SYMBOL  
24F-V4, SPECIES - SYP/SYP AND CONFORM WITH SECTION 706 OF THE S  
STANDARD SPECIFICATIONS.

ALL TIMBER SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH SECTION 707 OF THE SCDOT STANDARD SPECIFICATIONS, INCLUDING AWPA C3 FOR TIMBER PILES AND AWPA C2 FOR ALL OTHER TIMBER.

ALL TIMBER HARDWARE SHALL BE GALVANIZED STEEL. BOLTS SHALL MEET THE REQUIREMENTS OF ASTM F1554 (TYPE 36). THREADED SHALL MEET THE REQUIREMENTS OF ASTM F1554 (TYPE 105) AND NUTS MEET THE REQUIREMENTS OF ASTM A563 (HEAVY HEX).

ALL BOLTS, WASHERS, AND OTHER HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 (SCDOT 2007 STANDARD SPECIFICATIONS FOR CONSTRUCTION 708.2.7). DAMAGED AREAS DURING CONSTRUCTION SHALL BE FIELD REPAIRED WITH A MATERIAL THAT HAS A MINIMUM OF 6% ZINC BY WEIGHT. INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING HARDWARE, INCLUDING JOIST TIES AND STEEL ANGLES, IN UNIT PRICE BIDS FOR TIMBER BOARDWALK (10' WIDE).

FOR FOUNDATION NOTES, SEE SHEET NO. S4.

RAMP HANDRAIL NOTES:

ADA COMPLIANT HANDRAIL SHALL BE MADE OF ALUMINUM AND ATTACHED TO  
 EACH RAILING POST WITH 4" LONG MIN. STAINLESS STEEL LAG BOLT.  
 HANDRAIL SHALL BE CONTINUOUS FOR THE ENTIRE RAMP RUN AND EXTEND  
 HORIZONTALLY 12" BEYOND THE TOP AND BOTTOM OF THE RAMP AND RETURN  
 TO THE LANDING OR BRIDGE RAIL. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING  
 FOR THE ALUMINUM HANDRAIL AND ATTACHMENTS. INCLUDE ALL COSTS FOR  
 INSTALLING ADA COMPLIANT HANDRAIL IN THE UNIT PRICE BID FOR TIMBER  
 BOARDWALK (10' WIDE).

RAMP NOTES:

CONTRACTOR SHALL INSTALL HANDI-TREAD (OR APPROVED EQUAL) NON-SLIP SAFETY TREADS ON EACH DECK BOARD WITHIN RAMP SECTION (STA. 10+28.00 THROUGH STA. 10+58.00). TREADS SHALL EXTEND THE FULL WIDTH OF WALKWAY. INCLUDE ALL COSTS FOR INSTALLING NON-SLIP SAFETY TREADS IN THE UNIT PRICE BID FOR TIMBER BOARDWALK (10' WIDE).

## SPECIFICATIONS

AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF  
PEDESTRIAN BRIDGES, 2009.

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION,  
WITH INTERIM REVISIONS THROUGH 2013.

INTERNATIONAL BUILDING CODE, 2012.

PROWAG (2005 REVISED DRAFT GUIDELINES FOR PUBLIC RIGHTS OF WA

## DESIGN DATA

PEDESTRIAN LOAD: 90 PSF

LIVE LOAD: N/A

CONSTRUCTION VEHICLE: 1 KIP WHEEL LOAD

WIND LOAD: PER AASHTO (100 MPH EQUIVALENT)

STREAM FLOW: 3.55 FPS (10-YEAR STORM FLOW)

SEISMIC: N/A

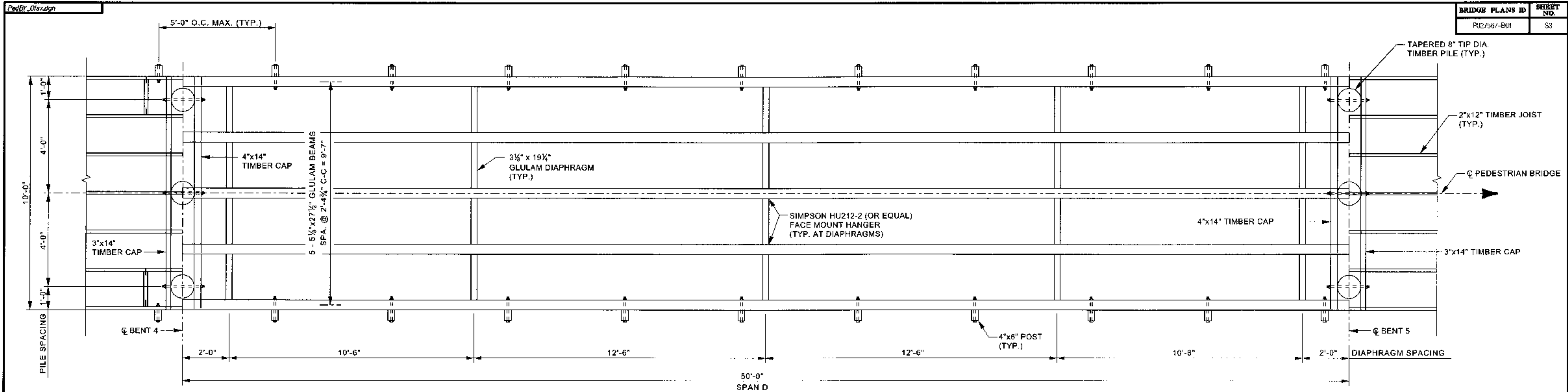
RAILING LOAD: PER AASHTO SECTION 13.8.2

REV.				<b>BERKELEY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENT</b>  <b>PEDESTRIAN BRIDGE DETAILS</b> <b>(10' SPANS)</b>  <b>McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK</b>
REV.				
REV.				
REVIEWED				
QUAN.				<b>COUNTY</b> <b>CHARLESTON</b>
DR.	WRS	WSJ	5-15	
DES.	WRS	WSJ	5-15	
	BY	CHK.	DATE	<b>ROUTE</b>



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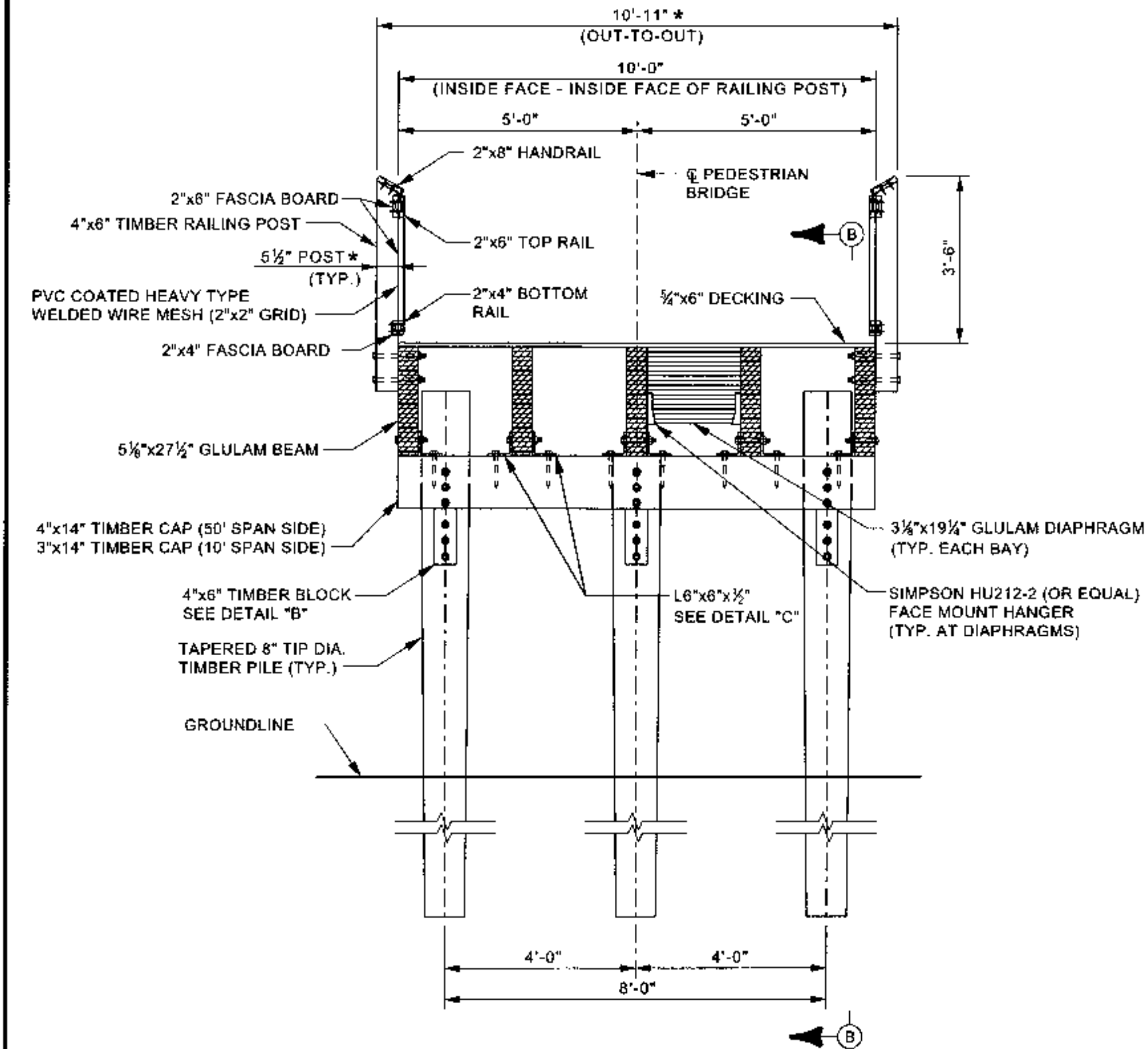
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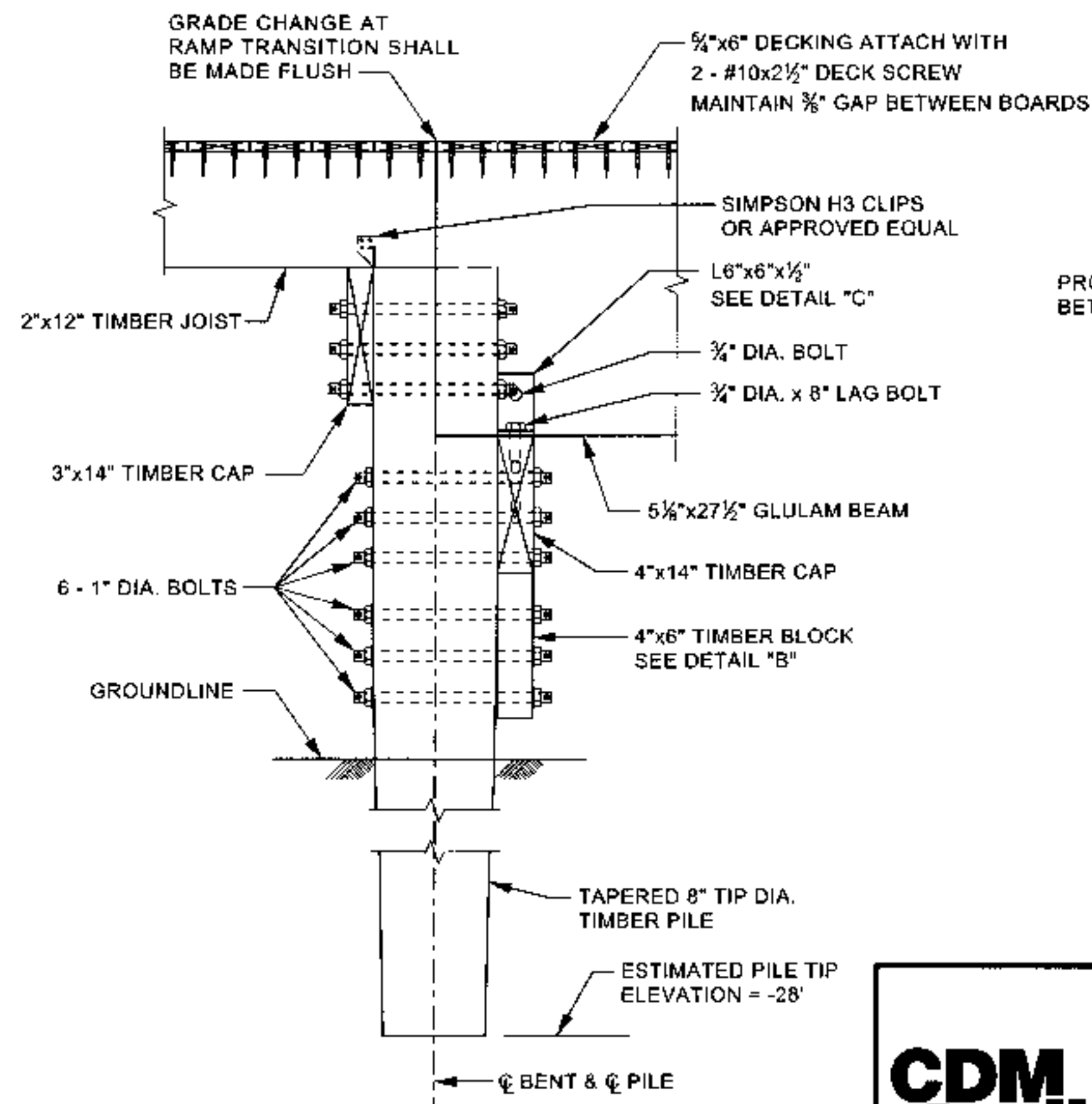
FRAMING PLAN  
(TYP. AT 50' SPAN)

NOTES:

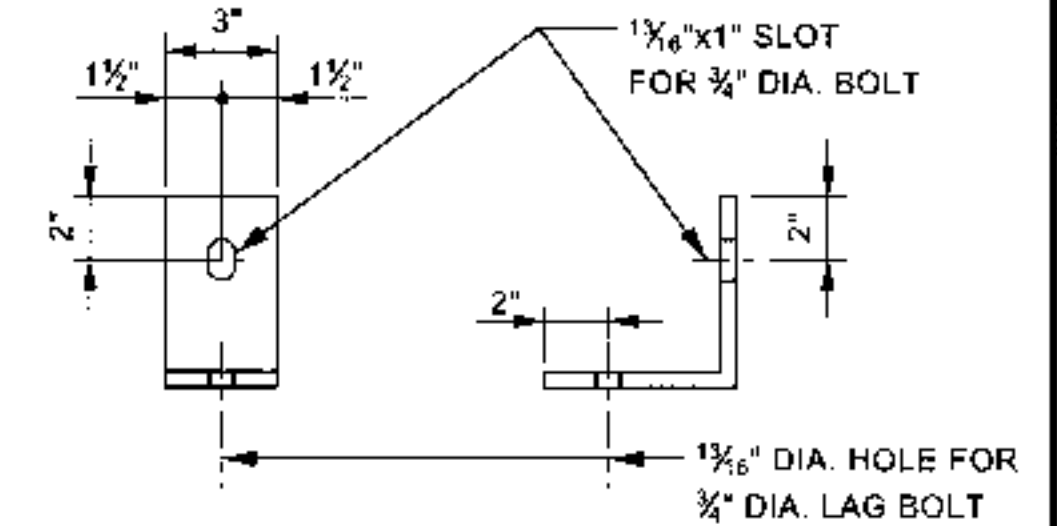
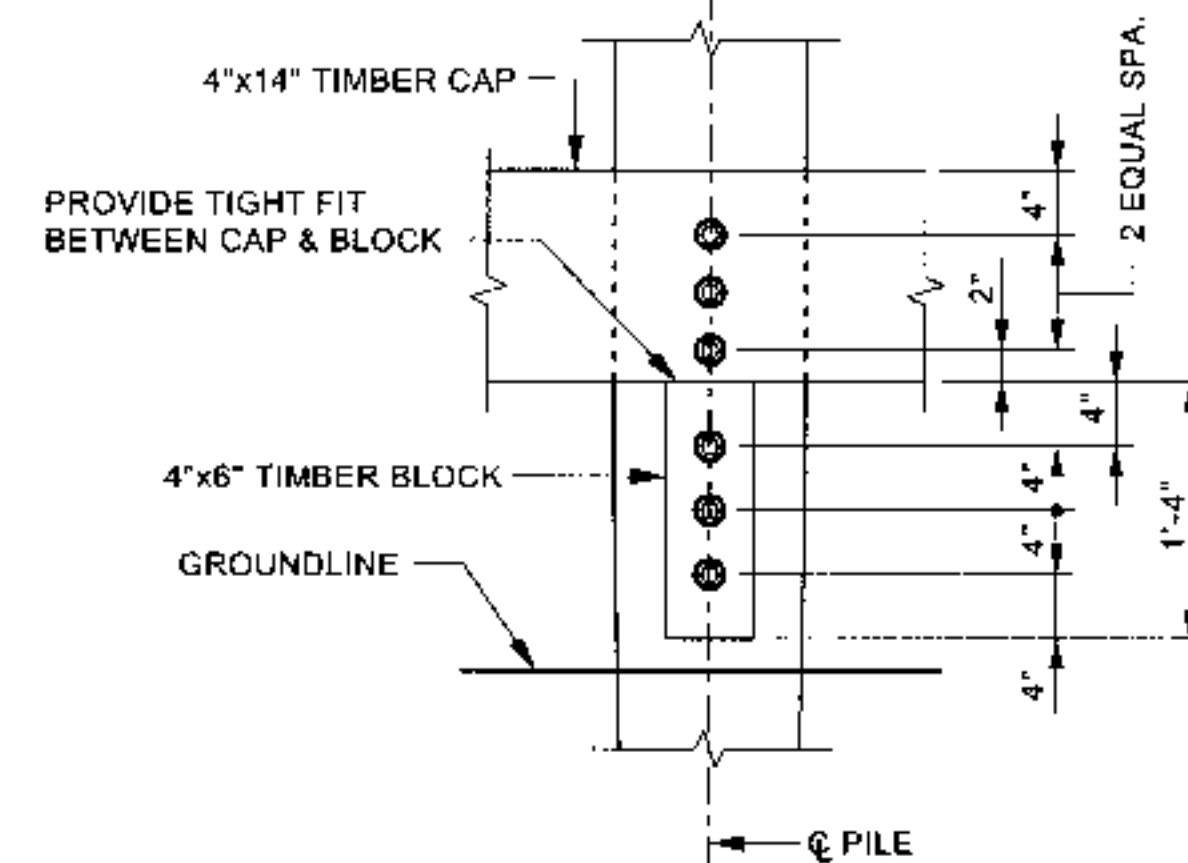
- FOR GENERAL NOTES, SEE SHEET NO. S2.  
FOR FOUNDATION NOTES, SEE SHEET NO. S4.  
\* DIMENSION BASED ON ACTUAL LUMBER DIMENSIONS.



TYPICAL SECTION  
(TYP. AT 50' SPAN)



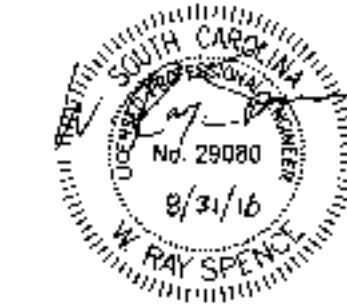
SECTION B-B  
(TYP. AT 50' SPAN)



DETAIL "C"

NOTE:  
ANGLE SHALL BE STAINLESS  
STEEL, GRADE 36.

CDM  
Smith



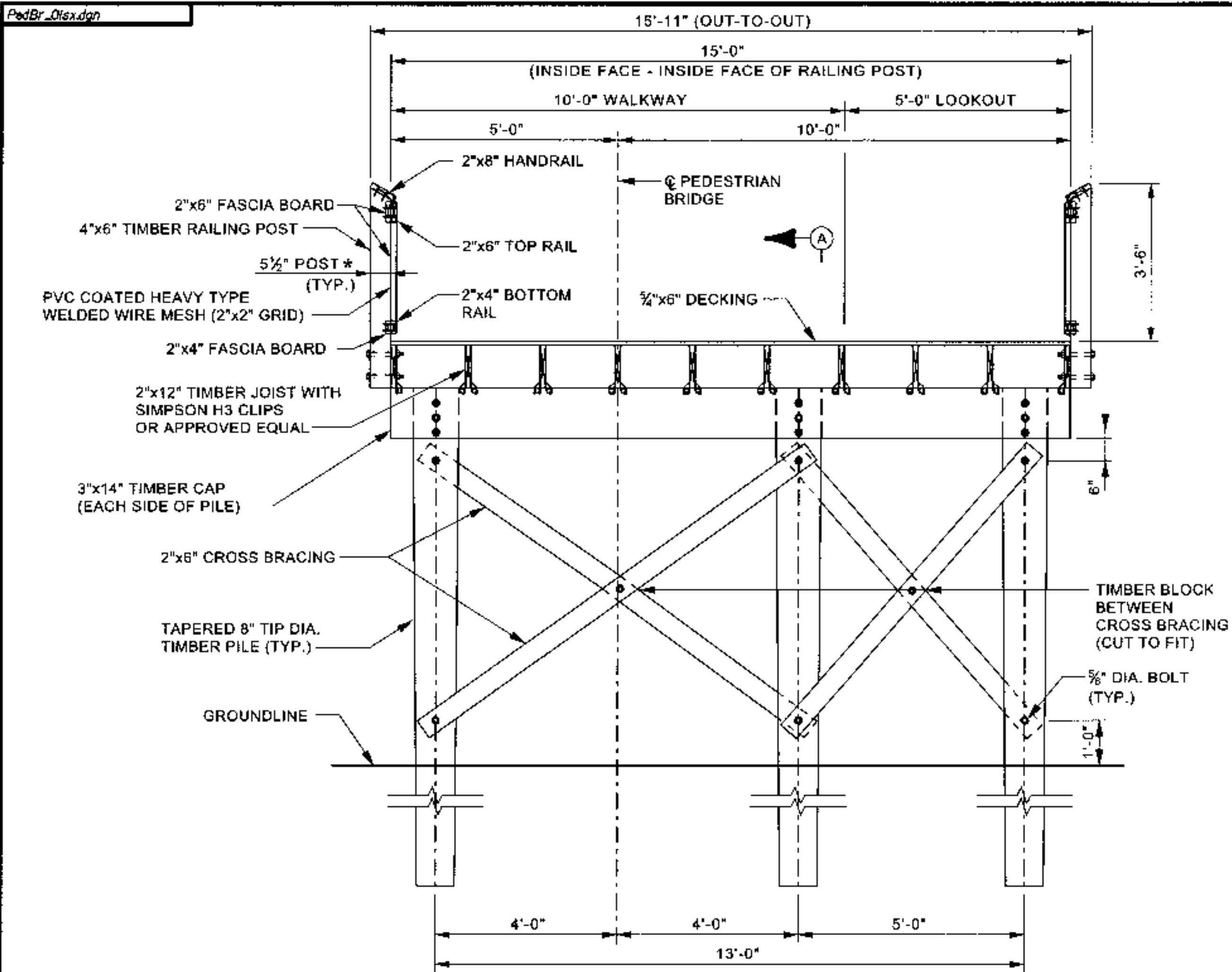
REV.		
REV.		
REV.		
QUAN.		
DR.	WRS	WSJ 5-15
DES.	WRS	WSJ 5-15
BY	CHK.	DATE

BERKELEY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS	
PEDESTRIAN BRIDGE DETAILS (50' SPAN)	
McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK	
COUNTY CHARLESTON	ROUTE

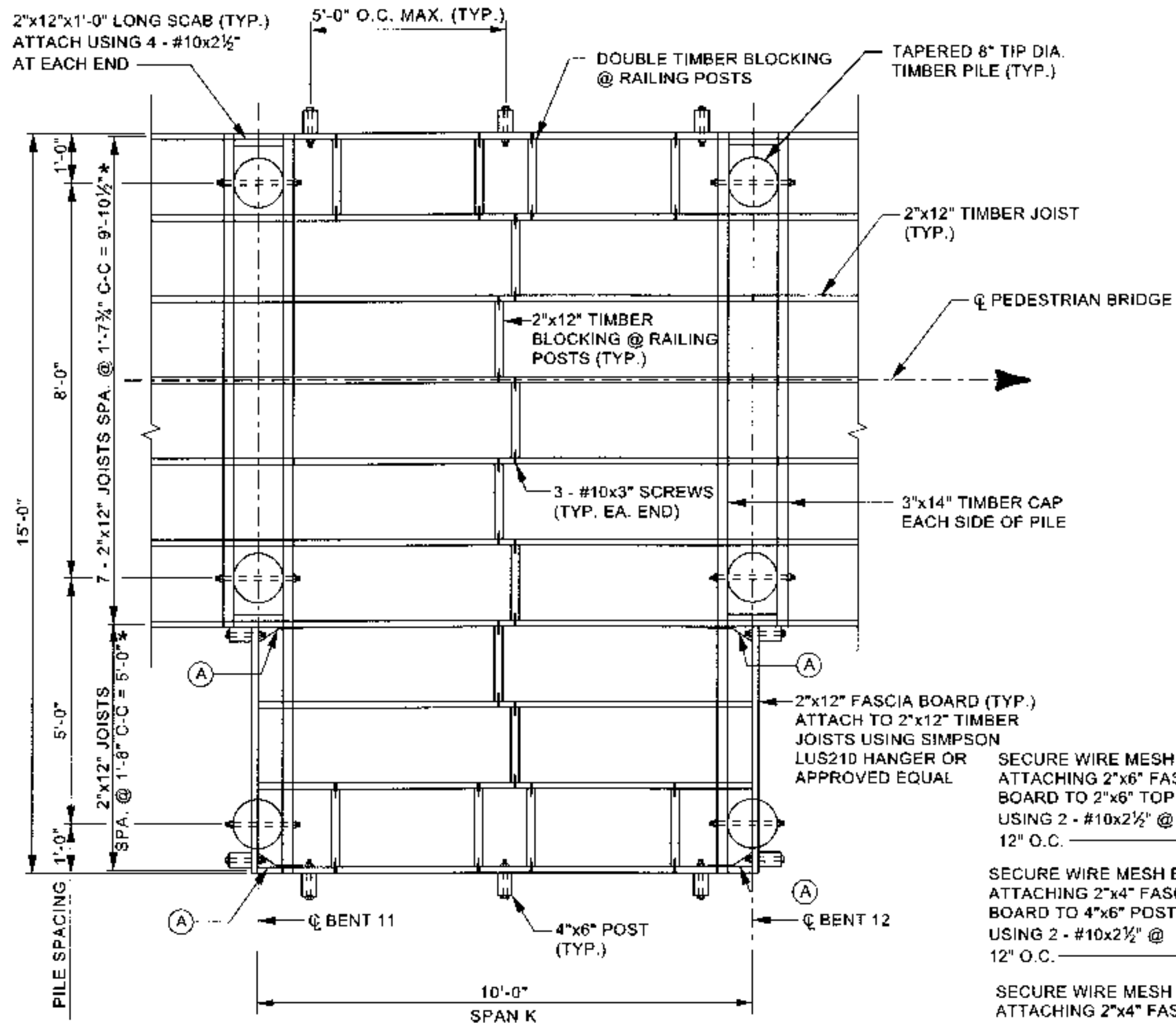


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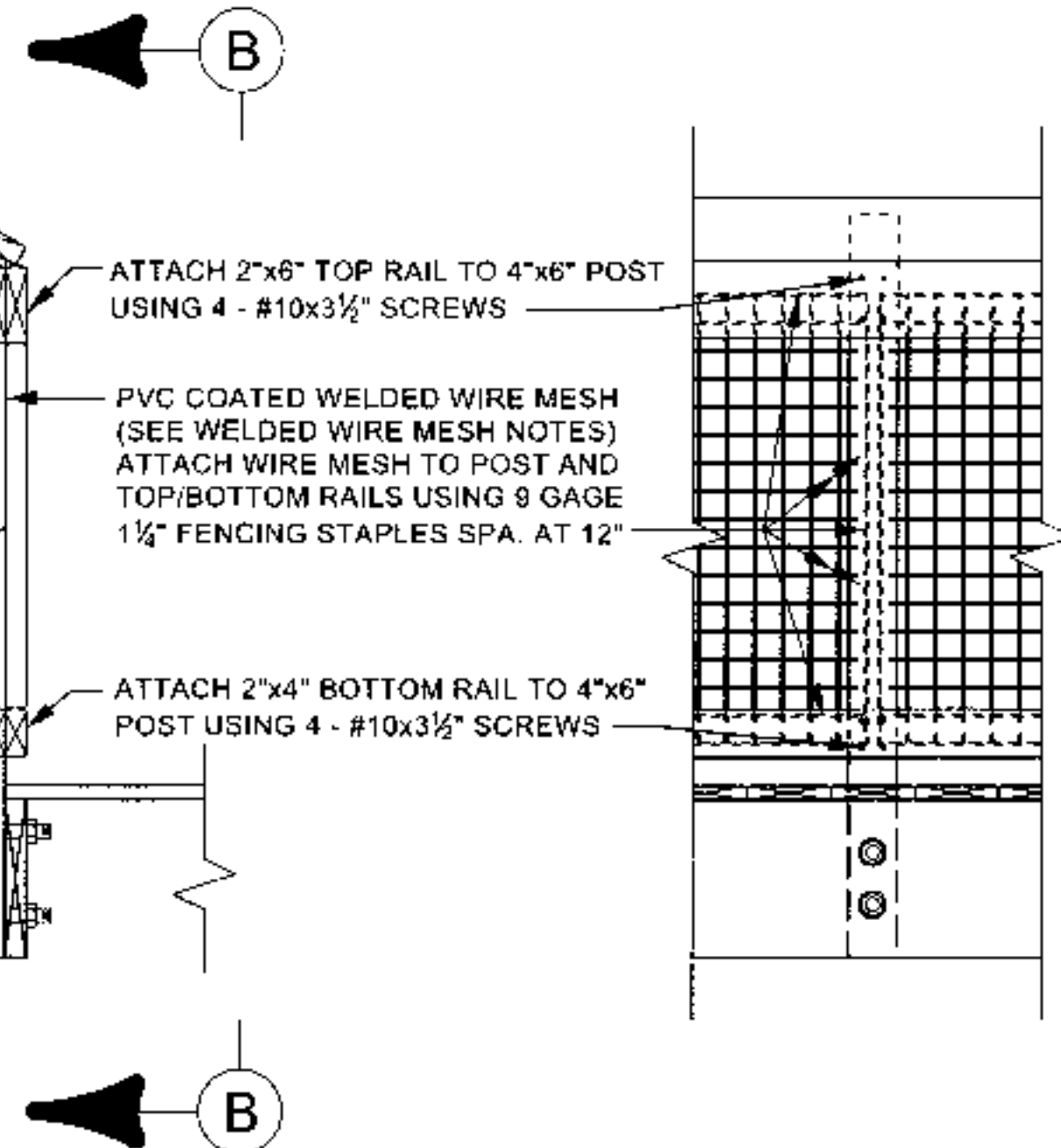
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**TYPICAL SECTION**  
(TYP. AT LOOKOUT SPAN)



**FRAMING PLAN**  
(TYP. AT LOOKOUT SPAN)



**WIRE MESH ATTACHMENT DETAIL**

**SECTION B-B**

**FOUNDATION NOTES:**

TAPERED 8" TIP DIAMETER TIMBER PILES - STRENGTH LIMIT STATE (ONE PILE)

	BENTS 1 - 3	BENTS 4 AND 5	BENTS 6 - 18
FACTORED DESIGN LOAD	8.9 KIPS	19.7 KIPS	8.9 KIPS
GEOTECHNICAL RESISTANCE FACTOR	0.55	0.55	0.55
NOMINAL RESISTANCE	16.2 KIPS	35.8 KIPS	16.2 KIPS
ESTIMATED LOSS OF RESISTANCE DUE TO SCOUR	7.4 KIPS	9.7 KIPS	7.7 KIPS
ESTIMATED LOSS OF RESISTANCE DUE TO DOWNDRAW	0 KIPS	0 KIPS	0 KIPS
REQUIRED DRIVING RESISTANCE	23.6 KIPS	45.5 KIPS	23.9 KIPS

METHOD OF CONTROLLING INSTALLATION OF PILES AND VERIFYING THEIR CAPACITY: CAPACITY WILL BE VERIFIED BY PILE DRIVING ANALYZER AND CAPWAP ANALYSIS OF INDEX PILES. A PILE INSTALLATION CHART DEVELOPED FROM THE ANALYSIS WILL BE USED TO VERIFY THE CAPACITY OF PRODUCTION PILES.

PERFORM PILE DRIVING ANALYZER (PDA) TESTING ON THE INDEX PILES SHOWN ON THE BRIDGE PLANS. FOUR (4) INDEX PILES SHALL BE PERFORMED AT LOCATIONS SHOWN. THESE INDEX PILES MAY BE PRODUCTION PILES. DRIVE INDEX PILES TO GRADE OR TO PRACTICAL REFUSAL, WHICHEVER OCCURS FIRST. IF A CAPWAP ANALYSIS DETERMINES THAT CAPACITY HAS NOT BEEN ACHIEVED, RESTRIKE THE INDEX PILES. PERFORM PDA TESTING DURING THE RESTRIKE. CONTACT THE GEOTECHNICAL ENGINEER OF RECORD TO DETERMINE THE TIME BETWEEN INITIAL DRIVING AND RESTRIKE.

THE ESTIMATED TIP ELEVATION FOR THE PILES SUPPORTING BENTS 1 TO 3 IS -24 FEET. THE ESTIMATED TIP ELEVATION FOR THE PILES SUPPORTING BENTS 4 AND 5 IS -28 FEET. THE ESTIMATED TIP ELEVATION FOR THE PILES SUPPORTING BENTS 6 TO 18 IS -27 FEET. THE MINIMUM PILE TIP ELEVATION FOR LATERAL STABILITY AT BENTS 1 TO 3 IS -20 FEET. THE MINIMUM PILE TIP ELEVATION FOR LATERAL STABILITY AT BENTS 4 AND 5 IS -22 FEET. THE MINIMUM PILE TIP ELEVATION FOR LATERAL STABILITY AT BENTS 6 TO 18 IS -23 FEET. FINAL TIP ELEVATIONS WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OF RECORD.

THE FOLLOWING ESTIMATED PARAMETERS WERE USED FOR PERFORMING DRIVEABILITY ANALYSIS FOR THE BRIDGE BENT PILES:

BENT NO.	ALL BENTS
SKIN QUAKE (QS)	0.10 IN
TOE QUAKE (QT)	0.133 IN
SKIN DAMPING (SD)	0.10 S/FT
TOE DAMPING (TD)	0.15 S/FT
% SKIN FRICTION	45%
DISTRIBUTION SHAPE NO.	0
BEARING GRAPH	PROPORTIONAL
PILE PENETRATION	100%
HAMMER ENERGY	4.1 TO 7.2 FT-KIPS

GRLWEAP (2005) WAS USED TO PERFORM THE WAVE EQUATION ANALYSIS. A PILE HAMMER HAVING A RATED ENERGY BETWEEN 4 TO 7.2 FT-KIPS IS CONSIDERED SUITABLE FOR DRIVEN PILE INSTALLATION. HOWEVER, FINAL HAMMER APPROVAL SHALL BE BASED ON WAVE EQUATION ANALYSES THAT ACCURATELY REFLECT THE CONTRACTOR'S PROPOSED DRIVING SYSTEM.

HARD DRIVING CONDITIONS ARE EXPECTED. PILES SHALL BE EQUIPPED WITH PILE BOOTS OR POINTS. THE CONTRACTOR SHOULD BE AWARE THAT IF AN ENTIRE PILE IS NOT INSTALLED IN ONE CONTINUOUS OPERATION DURING INITIAL DRIVE, PILE FREEZE (SET-UP) MAY OCCUR. THE CONTRACTOR SHALL ANTICIPATE THIS IN PREPARATION OF THE PILE DRIVING OPERATIONS AND SHALL ADDRESS THIS IN THE PILE INSTALLATION PLAN.

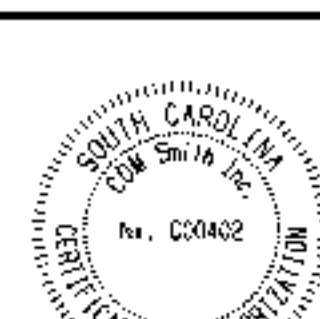
THE HAMMER SHALL BE WARMED BEFORE REDRIVING BEGINS BY APPLYING AT LEAST 20 BLOWS TO ANOTHER PILE. THE MAXIMUM AMOUNT OF REDRIVING REQUIRED TO ASSESS BEARING SHALL BE 6 INCHES OF PENETRATION OR THE TOTAL NUMBER OF BLOWS REQUIRED WILL BE 60, WHICHEVER OCCURS FIRST. IF THE ULTIMATE DRIVING RESISTANCE IS NOT REACHED, THE CONTRACTOR MAY BE REQUIRED TO CONTINUE DRIVING UNTIL THE REQUIRED ULTIMATE DRIVING RESISTANCE IS OBTAINED.

TIMBER PILES SHALL CONFORM TO REQUIREMENTS OF ARTICLE 706.2.6.10 OF SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2007 EDITION.

REFERENCE THE STANDARD SPECIFICATIONS FOR DRIVEN PILE FOUNDATIONS, SECTION 711. NOTES INCLUDED IN THESE PLANS ARE IN ADDITION TO THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS.

ESTIMATED QUANTITIES		
ITEM	UNIT	QTY.
TIMBER BOARDWALK (10' WIDE)	LF	210
DYNAMIC PILE ANALYZER SETUP	EA	4
PILE DRIVING SET-UP	EA	40
TREATED TIMBER PILING	LF	1570
REINFORCED PILE TIPS (8" TIP TIMBER PILE)	EA	40

**CDM Smith**



**WELDED WIRE MESH NOTES:**

PROVIDE PVC COATED WELDED WIRE MESH MEETING THE REQUIREMENTS OF ASTM F2453 (TYPE 4) WITH MESH HOLE SIZE OF 2"x2". MINIMUM WIRE THICKNESS BEFORE COATING IS 7 GAUGE. PVC COATING SHALL BE BLACK. PROVIDE SAMPLE OR PICTURE BEFORE PURCHASING FOR APPROVAL. INCLUDE COSTS IN THE UNIT PRICE BID FOR TIMBER BOARDWALK (10' WIDE).

REV.				BERKELEY-CHARLESTON-DORCHESTER COUNTY COUNCIL OF GOVERNMENTS			
REV.				PEDESTRIAN BRIDGE DETAILS (LOOKOUT SPAN)			
REV.				McCLELLANVILLE PEDESTRIAN BRIDGE OVER JEREMY CREEK			
QUAN.				COUNTY	CHARLESTON	ROUTE	
DR.	WRS	WSJ	5-15				
DES.	WRS	WSJ	5-15				
BY	CHL	DATE					