



ADA PLATFORM PROGRAM (ADAPP)

PETERSBURG, VA (PTB)

100% ISSUED FOR BID SUBMISSION

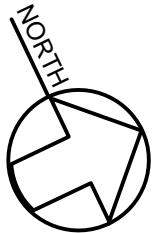
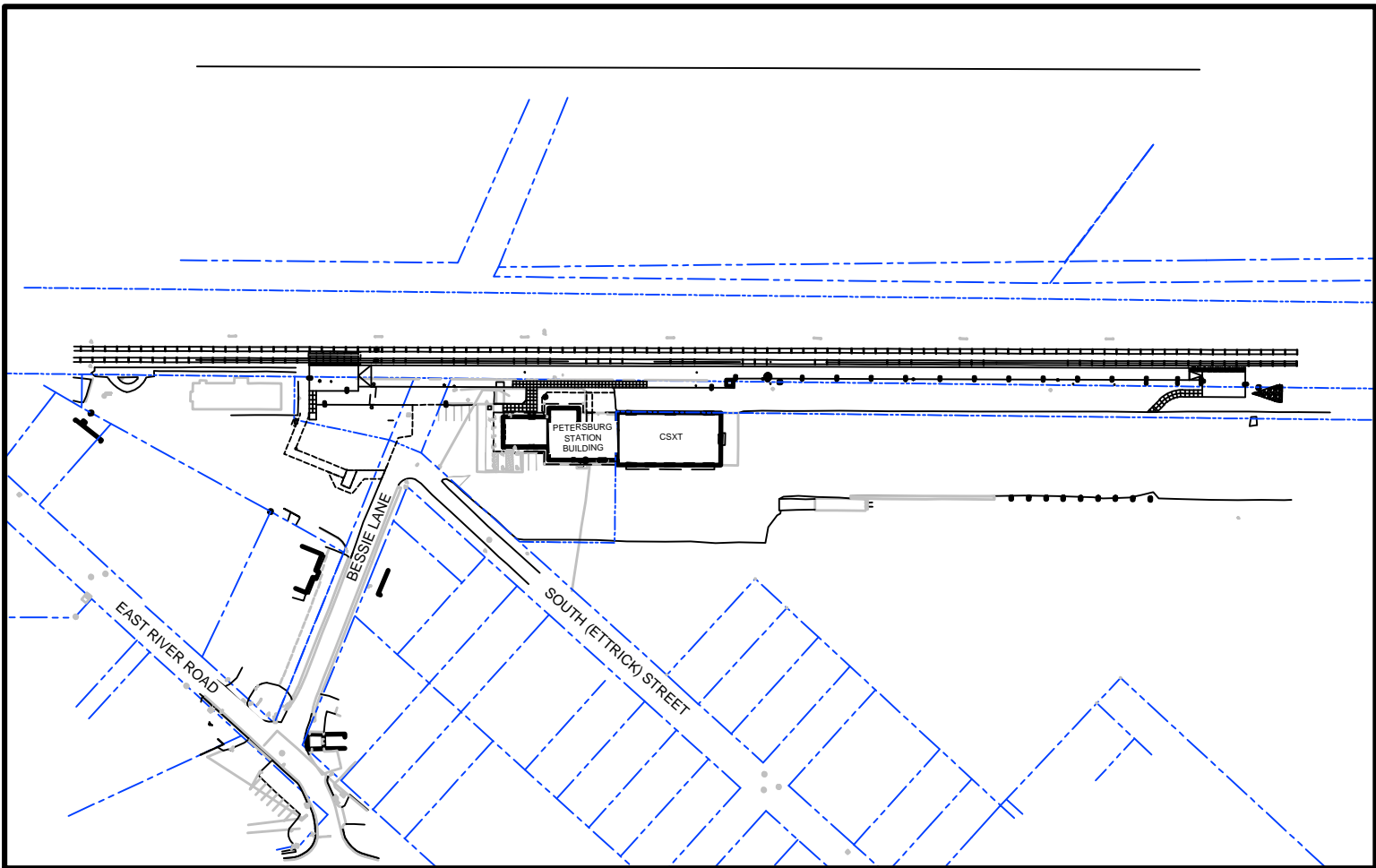
FEBRUARY 22, 2021

MARK OUTS - PRIOR TO MOBILIZATION, CONTRACTOR MUST CONTACT:

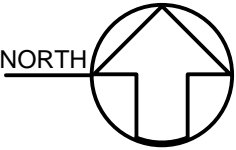
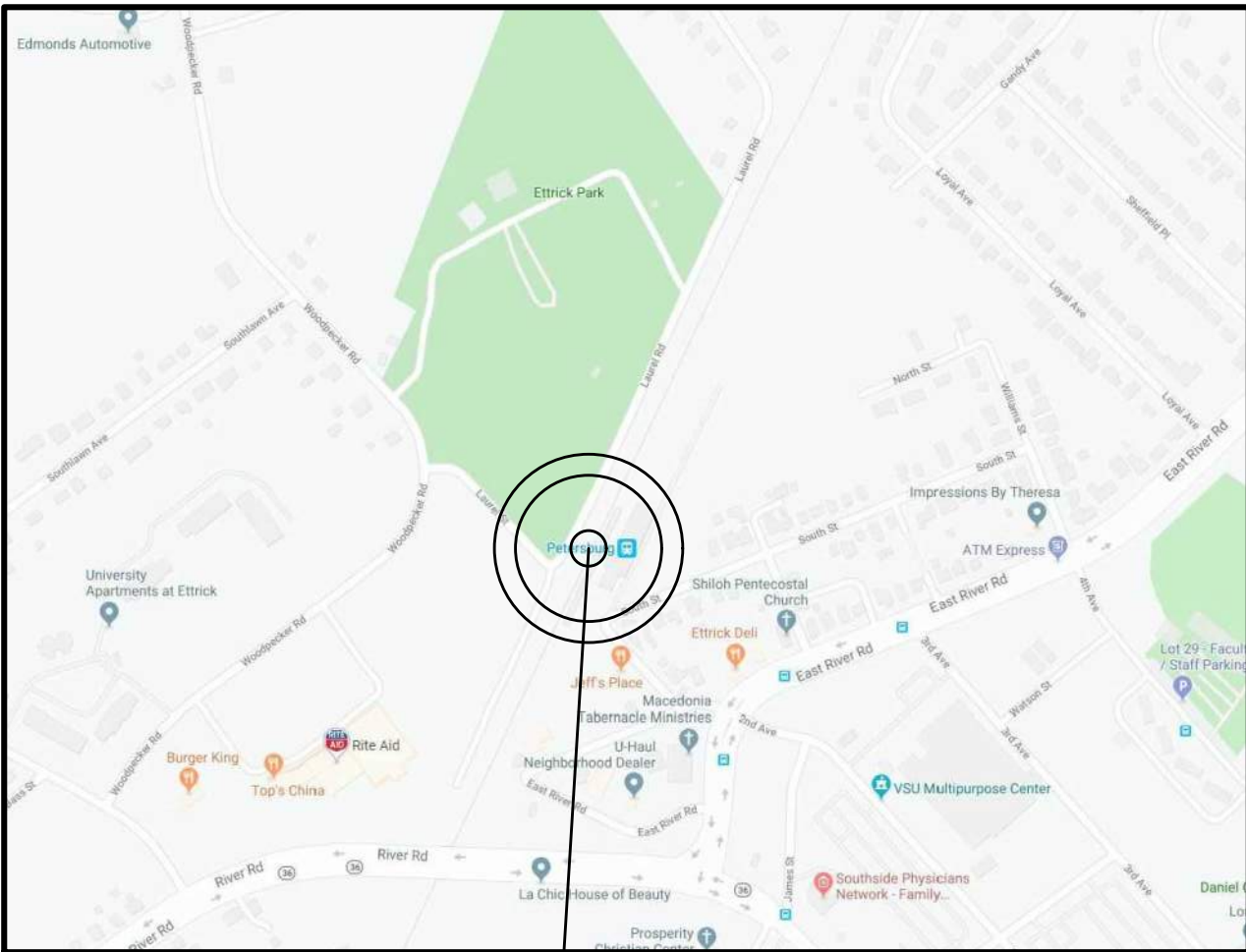
- 1. PUBLIC UTILITY MARK OUTS: CALL VIRGINIA 811 A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WITH ANY WORK.
- 2. CSXT RAILROAD FACILITY MARK OUTS: REQUEST FOR MARK OUTS MUST BE MADE WHEN FLAGGING REQUEST IS SENT TO AMTRAK. CONTRACTOR MUST NOT START ANY CONSTRUCTION WITHOUT RECEIVING WRITTEN CONFIRMATION THAT MARK OUTS HAVE BEEN COMPLETED. CONTRACTOR IS NOT TO CONTACT CSXT DIRECTLY.

Host Railroad: CSX Transportation (CSXT)
Division: Florence
Subdivision: North End
Station Classification II - Medium - Staffed
Milepost: 22.0

PROJECT LOCATION
N.T.S.



VICINITY PLAN
N.T.S.



PETERSBURG AMTRAK STATION
3516 South Street
Petersburg, VA 23803
LATITUDE: 37° 14' N
LONGITUDE: 77° 25' W

*MAP SHOWN IS FROM "GOOGLE MAPS"

SCOPE SUMMARY

- A. GENERAL
 - 1. CONFORM TO ALL APPLICABLE CODES AND REGULATIONS AS OUTLINED ON DRAWING G-001.
- B. DEMOLITION
 - 1. REMOVE PLATFORM AND PAVING TO ACCOMMODATE NEW WORK.
 - 2. SALVAGE PORTIONS OF EXISTING CANOPY SYSTEM FOR REINSTALLATION ON NEW FOUNDATIONS. REMOVE CANOPY ROOFING.
 - 3. REMOVALS AS REQUIRED TO CORRECT NON-COMPLIANT ADA ITEMS.
 - 4. SALVAGE EXISTING SITE SIGNAGE FOR REINSTALLATION.
- C. SITE WORK / PARKING / PUBLIC RIGHT-OF-WAY (PROW)
 - 1. INSTALL DETECTABLE WARNING SURFACES ALONG FLUSH TRANSITIONS BETWEEN PEDESTRIAN AND VEHICULAR AREAS.
 - 2. REPAINT ACCESSIBLE PARKING STALLS.
 - 3. PROVIDE ADA ACCESSIBLE EMERGENCY EGRESS FROM PLATFORM.
- D. STATION INTERIOR: CORRECT NON-COMPLIANT ITEMS
 - 1. RECONFIGURE TICKET WINDOW AREA FOR ACCESSIBILITY INCLUDING ELECTRICAL AND DATA.
 - 2. LOWER THE HEIGHT OF THE AUTOMATIC DOOR OPERATOR BOLLARD.
 - 3. LOWER WALL MOUNTED SIGNS FOR AUTHORIZED PERSONNEL AREAS.
 - 4. INSTALLATION OF (2) TEMPORARY TICKETING STATIONS.
- E. PLATFORM:
 - 1. PROVIDE NEW CONCRETE PLATFORM
 - a. 8" ABOVE TOP OF RAIL, MINIMUM 14' WIDE, 950 FEET LONG.
 - b. TOTAL PLATFORM 1,023 FEET LONG.
 - c. INSTALL NEW RAILING WHERE INDICATED.
 - d. ADA COMPLIANT SLOPES AND ACCESS, TACTILE WARNING SURFACES.
 - 2. PROVIDE NEW PLATFORM FOUNDATIONS.
 - 3. RELOCATE EXISTING CANOPY SYSTEM FURTHER AWAY FROM TRACKS ON NEW PLATFORM.
 - a. ACCOMMODATE WHEEL CHAIR LIFT OPERATION.
 - b. INSTALL NEW FOUNDATION SYSTEM.
 - c. REPAIR OR REPLACE DETERIORATED COMPONENTS.
 - d. INSTALL NEW STORMWATER PIPING.
 - e. INSTALL STATION SIGNAGE MOUNTED TO CANOPY STRUCTURE.
 - 4. PROVIDE NEW ELECTRICAL SERVICE AND LIGHTING ALONG PLATFORM.
 - a. PROVIDE LIGHTING SYSTEMS, CONTROLS, AND CONNECTIONS.
 - b. LIGHTING ALONG CANOPY AREA TO BE INCORPORATED INTO CANOPY.
 - c. LIGHTING BEYOND CANOPY LOCATION TO BE INSTALLED ON FREE STANDING POLES.
- F. STORM WATER MANAGEMENT:
 - 1. PROVIDE NEW DRAINAGE SYSTEM TO SUPPORT NEW PLATFORM AND PAVING.
 - 2. PROVIDE NEW PLATFORM UNDERDRAIN PER HOST RAILROAD REQUIREMENTS.
- G. SIGNAGE:
 - 1. REINSTALL EXISTING AND/OR PROVIDE NEW PLATFORM SIGNAGE. STATION SIGNAGE IN CANOPY AREA TO BE INCORPORATED WITH CANOPY. STATION SIGNAGE OUTSIDE OF CANOPY AREA TO BE INSTALLED ON FREE-STANDING FOUNDATIONS.

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NO.	DESCRIPTION	DATE	BY



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Office of Chief Engineer

National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date



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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
COVER SHEET

Designed: DM Drawn: SS Checked: RR Date: 2021-02-22

Project Code:	PTB, VA
WBS:	C.EN.100694.0669
Sheet No.	1 OF 80
Dwg. No.	G-000

DRAWINGS LIST

<u>BOOK NO.</u>		<u>DRAWING NAME</u>
GENERAL		
G-000	COVER SHEET	
G-001	DRAWING LIST, CODES AND GENERAL NOTES	
G-002	PLATFORM EGRESS AND CAPACITY PLAN	
G-003	PHASING PLAN	
CIVIL		
C-001	CIVIL GENERAL NOTES	
C-101	CIVIL DEMOLITION PLAN - SOUTH	
C-102	CIVIL DEMOLITION PLAN - NORTH	
C-110	CIVIL OVERALL SITE PLAN	
C-111	CIVIL SITE PLAN - SOUTH	
C-112	CIVIL SITE PLAN - NORTH	
C-113	CIVIL DETAIL GRADING AND LAYOUT PLAN	
C-114	CIVIL DETAIL GRADING AND LAYOUT PLAN	
C-115	CIVIL PLATFORM GRADING PLAN AND PROFILE - SOUTH	
C-116	CIVIL PLATFORM GRADING PLAN AND PROFILE - NORTH	
C-120	CIVIL DRAINAGE AND UTILITY PLAN - SOUTH	
C-121	CIVIL DRAINAGE AND UTILITY PLAN - NORTH	
C-122	CIVIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 1	
C-123	CIVIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 2	
C-124	CIVIL PRE AND POST DRAINAGE AREA MAP - NORTH	
C-125	CIVIL PRE AND POST DRAINAGE AREA MAP - SOUTH	
C-126	CIVIL WATER QUALITY CALCULATIONS AND STORMWATER NARRATIVE	
C-127	CIVIL STORMWATER CALCULATIONS - NORTH	
C-128	CIVIL STORMWATER CALCULATIONS - SOUTH	
C-129	CIVIL NORTH DRAINAGE AREA EXHIBIT	
C-130	CIVIL NORTH DRAINAGE AREA PHOTOS I	
C-131	CIVIL NORTH DRAINAGE AREA PHOTOS II	
C-200	CIVIL CONSTRUCTION DETAILS	
C-201	CIVIL CONSTRUCTION DETAILS	
C-202	CIVIL CONSTRUCTION DETAILS	
C-203	CIVIL CONSTRUCTION DETAILS	
C-204	CIVIL CONSTRUCTION DETAILS	
C-205	CIVIL CONSTRUCTION DETAILS	

ARCHITECTURE

A-000	ARCHITECTURAL ABBREVIATION & SYMBOLS
A-110	ARCHITECTURAL SITE PLAN
A-111	ARCHITECTURAL DEMOLITION & PHASE 1 PLAN
A-112	ARCHITECTURAL DEMOLITION & PHASE 2 PLAN
A-113	ARCHITECTURAL PROPOSED FLOOR PLAN
A-114	ARCHITECTURAL CANOPY PLAN
A-115	ARCHITECTURAL WHEEL CHAIR LIFT ENCLOSURE & DETAILS
A-116	ARCHITECTURAL WHEEL CHAIR LIFT ENCLOSURE & DETAILS
A-117	ARCHITECTURAL SITE PLAN
A-400	ARCHITECTURAL CASEWORK DEMOLITION PLAN
A-410	ARCHITECTURAL CASEWORK PLAN & SECTIONS
A-750	ARCHITECTURAL STATION BUILDING SIGNAGE PLAN
A-752	ARCHITECTURAL SIGNAGE GRAPHIC STANDARDS
A-754	ARCHITECTURAL SIGNAGE DETAILS
A-757	ARCHITECTURAL SIGNAGE MOUNTING DETAILS 1
A-760	ARCHITECTURAL SIGNAGE MOUNTING DETAILS 2

STRUCTURAL

S-000	STRUCTURAL DESIGN CRITERIA AND GENERAL NOTES
S-001	STRUCTURAL GENERAL NOTES
S-100	STRUCTURAL PLATFORM KEY PLAN
S-101	STRUCTURAL PARTIAL PLATFORM FOUNDATION PLAN - AREA A
S-102	STRUCTURAL PARTIAL PLATFORM FOUNDATION PLAN - AREA B
S-103	STRUCTURAL PARTIAL PLATFORM FOUNDATION PLAN - AREA C
S-104	STRUCTURAL PARTIAL PLATFORM FOUNDATION PLAN - AREA D
S-105	STRUCTURAL CANOPY FRAMING PLAN
S-400	STRUCTURAL FOUNDATION DETAILS
S-401	STRUCTURAL FOUNDATION DETAILS
S-402	STRUCTURAL FOUNDATION DETAILS
S-403	STRUCTURAL FOUNDATION DETAILS
S-404	STRUCTURAL CANOPY DETAILS
S-405	STRUCTURAL CANOPY SECTIONS
S-600	STRUCTURAL TYPICAL DETAILS
S-601	STRUCTURAL TYPICAL DETAILS

ELECTRICAL

E-001	ELECTRICAL INDEX SHEET
E-100	ELECTRICAL SITE DEMOLITION PLAN - SOUTH
E-101	ELECTRICAL SITE DEMOLITION PLAN - NORTH
E-110	ELECTRICAL SITE PLAN - SOUTH
E-111	ELECTRICAL SITE PLAN - NORTH
E-200	ELECTRICAL DEMOLITION WORK - PARTIAL FLOOR PLAN
E-201	ELECTRICAL NEW WORK - PARTIAL FLOOR PLAN

ELECTRICAL CONT'D

E-300	ELECTRICAL POWER RISER DIAGRAM
E-400A	ELECTRICAL DETAILS - EXTERIOR LIGHTING TYPE A
E-400B	ELECTRICAL DETAILS - EXTERIOR LIGHTING TYPE B & C
E-401	ELECTRICAL DETAILS - CONDUITS RAILROAD CROSSING
E-402A	ELECTRICAL DETAILS - PLATFORM TYPICAL LIGHT COVERAGE
E-402B	ELECTRICAL DETAILS - PLATFORM TYPICAL LIGHT COVERAGE
E-403	ELECTRICAL DETAILS - VARIOUS
E-404	ELECTRICAL LIGHTING CIRCUIT DETAILS
E-500	ELECTRICAL PHOTOMETRIC PLAN

REFERENCE

Y-001	TOPOGRAPHIC SURVEY
Y-002	TOPOGRAPHIC SURVEY

A. CODE REFERENCES:

2006	DEPARTMENT OF TRANSPORTATION ACCESSIBILITY STANDARDS (DOTAS)
2015	INTERNATIONAL FIRE CODE
2014	NATIONAL ELECTRIC CODE
2020	NATIONAL FIRE PROTECTION ASSOCIATION 130
2015	VIRGINIA BUILDING AND FIRE CODE RELATED REGULATIONS
2015	VIRGINIA CONSTRUCTION CODE
2015	VIRGINIA ENERGY CONSERVATION CODE
2015	VIRGINIA EXISTING BUILDING CODE
2015	VIRGINIA FUEL GAS CODE
2015	VIRGINIA PLUMBING CODE
2015	VIRGINIA MAINTENANCE CODE
2015	VIRGINIA MECHANICAL CODE
2015	VIRGINIA STATEWIDE FIRE PREVENTION CODE

B. CODE SUMMARY - STATION BUILDING:

PROJECT SUBMITTED UNDER VIRGINIA EXISTING BUILDING CODE -
LEVEL 1 ALTERATION (SECTION 601.2.1)
LEVEL 2 ALTERATION (SECTION 603.1) ADA COMPLIANCE WORK IS CONSIDERED TO BE
THE SAME AS LEVEL 1 ALTERATION.

- I. OCCUPANCY CLASSIFICATION:
 - a. OCCUPANCY TYPE, SECTION 303.4 ASSEMBLY GROUP A-3 (WAITING AREAS IN TRANSPORTATION TERMINALS). NOTE: ASSEMBLY A-3 USE UNDER 50 SEATS DEFINED AS A SMALL ASSEMBLY SPACE PER SECTION 303.1.2 AND CLASSIFIED AS A BUSINESS OCCUPANCY.
 - b. OCCUPANCY TYPE, SECTION 304.1 BUSINESS GROUP B (OFFICE)
 - c. OCCUPANCY LOAD, TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT AND SECTION 1004.4 FIXED SEATING.

OCCUPANT LOAD			
FUNCTION OF SPACE	SPACE FLOOR AREA (SF)	LOAD FACTOR	CALCULATED OCCUPANT LOAD PER FLOOR AREA
ACCESSORY STORAGE	7,020	300/SF	23
ASSEMBLY (FIXED SEATS)	1,330	N/A	43
BUSINESS AREA	3,820	100/SF	38
TOTAL DESIGN OCCUPANT LOAD			154

2. CONSTRUCTION TYPE:
 - a. IIB (NO CHANGE TO USE, OCCUPANCY OR EGRESS) BASED ON VISUAL OBSERVATIONS, EXISTING STRUCTURE.
3. ALLOWABLE BUILDING HEIGHT AND AREA:
 - a. BUILDING - NO SPRINKLER SYSTEM
 - b. TABLE BUILDING HEIGHT AND BUILDING AREA

CONSTRUCTION TYPE II B			
FLOOR - LEVEL 1	GROUP	BLDG HEIGHT TABLE 504.3 & 4	BLDG AREA TABLE 506.2
ALLOWABLE	B	3 STORY / 55'-0"	23,000 SF
EXISTING - AMTRAK	B	1 STORY / 16'-0"	5,150 SF
EXISTING - CSX TRANSPORTATION	B	1 STORY / 16'-0"	7,020 SF
EXISTING BUILDING TOTAL		1 STORY / 16'-0"	12,170 SF

- c. BUILDING - NON SEPARATED USE
- d. BUILDING - NO FIRE ALARM SYSTEM
- e. MAXIMUM DISTANCE TO TRAVEL TO EXTINGUISHER 75' PER 906

4. EGRESS:
- a. TWO EXITS SHALL BE PROVIDED PER TABLE 1006.3.1
 - b. EXIT ACCESS TRAVEL DISTANCE IS 200' PER TABLE 1017.2

C. PARKING SPACE ANALYSIS:

MINIMUM NUMBER OF ACCESSIBLE PARKING IS ONE PER 25 (UP TO 100); SEVEN SPACES (UP TO 300)

TOTAL NO. OF EXISTING AMTRAK PARKING SPACES

TOTAL NO. OF EXISTING AMTRAK PARKING SPACES	ACCESSIBLE SPACES REQUIRED	ACCESSIBLE SPACES PROVIDED (MIN. 2)
20	2	2

D. TOLERANCE AND COMPLIANCE NOTES:

1. IT IS THE EXPRESS PURPOSE OF ALL WORK UNDER THIS CONTRACT TO BRING THE PLATFORM AND ACCESS TO THE PLATFORM INTO FULL COMPLIANCE WITH THE 2006 DEPARTMENT OF TRANSPORTATION ACCESSIBILITY STANDARDS (DOTAS).
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROMPTLY NOTIFY THE PROGRAM ENGINEER OF ANY CONDITION WHERE IT IS NOT POSSIBLE TO COMPLY WITH THE DESIGN INTENT DUE TO THE FIELD CONDITIONS.
3. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR MUST PROVIDE AN AS-BUILT PLAN WHICH NOTES THE LONGITUDINAL AND CROSS SLOPES OF NEW PLATFORMS AND SIDEWALKS. SLOPES TO BE DETERMINED USING A PROPERLY CALIBRATED 2" DIGITAL LEVEL.
PLATFORM: PROVIDE LONGITUDINAL SLOPES AT MAXIMUM 10' INTERVALS ON EACH EDGE OF THE PLATFORM AND CENTER OF THE PLATFORM. PROVIDE CROSS SLOPE EVERY 10' MAXIMUM, ON BOTH SIDES OF THE TRENCH DRAIN.
SIDEWALKS: PROVIDE LONGITUDINAL AND CROSS SLOPE ON EACH SIDEWALK PANEL AS DEFINED BY A CONTROL OR EXPANSION JOINT.
IF A BREAK IN GRADE OCCURS BETWEEN THE PARAMETERS NOTED ABOVE, PROVIDE ADDITIONAL SLOPES TO ACCURATELY PORTRAY THE CONDITIONS.
4. ALL WORK THAT FAILS TO COMPLY WITH THE DESIGN INTENT GIVEN IN THE CONTRACT DOCUMENTS OR DOES NOT MEET THE ADA REQUIREMENTS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO AMTRAK.

E. GRADING NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DEMONSTRATE THAT ALL ROUGH GRADING AND FORM WORK WILL RESULT IN FINISHED GRADES AS INDICATED ON THE GRADING PLAN.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DOCUMENT THE COMPLIANCE OF THE FINISHED PAVING WORK.
3. THE LAYOUT AND GRADING OF THE PROPOSED WORK SHALL BE AS INDICATED ON THE GRADING PLAN. THE FOLLOWING TOLERANCES TAKE PRECEDENT OVER SPECIFICATIONS:
 - a. PLATFORM:
 - i. THE MAXIMUM SLOPE OF THE PLATFORM SURFACE SHALL NOT EXCEED 1:60 (1.67%) IN ANY DIRECTION.
 - b. WALKWAYS (SIDEWALKS):
 - i. THE MAXIMUM RUNNING SLOPE OF WALKWAYS SHALL NOT EXCEED 1:22 (4.5%)
 - ii. THE MAXIMUM CROSS SLOPE OF WALKWAYS SHALL NOT EXCEED 1:60 (1.67%)
 - iii. THE MAXIMUM CROSS SLOPE OF DOOR LANDINGS SHALL NOT EXCEED 1:60 (1.67%) IN ANY DIRECTION.
 - c. RAMPS AND LANDINGS:
 - i. MAXIMUM SLOPE AT RAMP LANDINGS SHALL NOT EXCEED 1:60 (1.67%) IN ANY DIRECTION.
 - ii. MAXIMUM RUNNING SLOPE OF RAMPS SHALL NOT EXCEED 1:13 (7.69%).
 - iii. MAXIMUM CROSS SLOPE OF RAMPS SHALL NOT EXCEED 1:60 (1.67%)
 - d. PARKING AREAS:
 - i. MAXIMUM SLOPE OF PARKING ADA PARKING STALLS AND ACCESS AISLES SHALL NOT EXCEED 1:60 (1.67%) IN ANY DIRECTION.

4. THE FINISHED GRADE AT THE EDGE OF THE NEW PLATFORM IS BASED UPON THE ELEVATION OF THE TOP OF THE ADJACENT TRACK RAIL.
 - a. AT LANDING AREAS, THE EDGE OF THE PLATFORM TO BE THE SAME ELEVATION AS THE TOP OF ADJACENT RAIL (0" ATR). ON THE RAISED PLATFORM, THE EDGE OF THE PLATFORM TO BE 8" ABOVE THE TOP OF RAIL (8" ATR). THESE ELEVATIONS TAKE PRECEDENCE OVER THE INFORMATION PROVIDED ON THE GRADING PLANS.
 - b. CONTRACTOR SHALL SURVEY TOP OF RAILS ADJACENT TO NEW PLATFORM AT COMMENCEMENT OF THE PROJECT AND NOTIFY OWNER/ENGINEER OF DISCREPANCIES BETWEEN THE TOPOGRAPHIC SURVEY AND ACTUAL SITE CONDITIONS. ANY CHANGE TO THE SPOT ELEVATION AT THE TOP OF RAIL/EDGE OF SOUTH PLATFORM WILL AFFECT SPOT ELEVATIONS ACROSS THE PLATFORM.



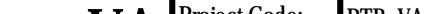
F. DIMENSIONING/LAYOUT NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LAY OUT ALL PROPOSED WORK.
2. WITH APPROVAL OF THE PROJECT ENGINEER, THE CONTRACTOR SHALL ADJUST DIMENSIONS AS REQUIRED IN THE FIELD SUCH THAT ADA TOLERANCES AS STATED ABOVE ARE ACHIEVED.

G. GENERAL NOTES:

1. DRAWINGS ARE NOT BE SCALED. USE DIMENSIONS ONLY. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE AUTHORITY. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
2. ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
3. ALL WORK MUST BE COORDINATED WITH THE AMTRAK STATION PERSONNEL AND OTHER BUILDING TENANTS SO AS NOT TO INTERFERE WITH THE NORMAL OPERATIONS OF THE EXISTING FACILITIES.
4. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES UNDER THIS CONTRACT. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
5. THE CONTRACTOR SHALL DISCONNECT AND/OR REMOVE ANY EXISTING PLUMBING, ELECTRICAL FIXTURES, WIRE CONDUITS, OR OTHER WORK WHICH MIGHT INTERFERE WITH THE WORK OF THIS CONTRACT. AFTER NEW WORK IS COMPLETED, THE DISCONNECTED OR REMOVED ITEMS SHALL BE REINSTALLED BY THE CONTRACTOR AT THE SAME LOCATION OR AT NEW LOCATION AS DIRECTED. FURNISH ALL NECESSARY NEW MATERIALS AND HARDWARE AS REQUIRED FOR COMPLETION OF WORK.
6. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED OR EXPOSED SURFACES DUE TO CONTRACT WORK. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED. ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING CONDITIONS.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MATERIALS AT NO ADDITIONAL COST TO THE AUTHORITY FOR THE FOLLOWING CONDITIONS:
 - a) ANY EXISTING WORK THAT HAS BEEN REMOVED OR DAMAGED IN ORDER TO PERFORM THE CONTRACT WORK.
 - b) TO FURNISH THE WORK OF THIS CONTRACT IN WORKMANLIKE MANNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
9. THE CONTRACTOR SHALL INCLUDE ALL PREPARATORY AND ASSOCIATED SUPPLEMENTARY WORK TO PROVIDE A COMPLETE AND FINISHED INSTALLATION.
10. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW BEFORE THEY SHALL BE DEEMED EQUAL.
11. FIRESTOPPING SHALL BE INSTALLED AT PENETRATIONS OF FIRE RATED CONSTRUCTION WHERE INDICATED ON PLANS.
12. DIMENSIONS ON PLANS ARE INDICATED FROM SURFACE TO SURFACE BETWEEN WALLS, PARTITIONS AND OTHER ITEMS EXCLUSIVE OF FINISHES.
13. THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
14. WHERE INDICATED OR REQUIRED TO PERFORM THE WORK, PACK, PROTECT AND RELOCATE MATERIALS, FURNITURE AND CABINETS, ETC. TO DESIGNATED LOCATIONS WITHIN THE BUILDING AND RETURN ITEMS UPON COMPLETION OF WORK OR WHEN DIRECTED BY THE OWNER.
15. ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.
16. REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
17. FOLLOW ALL AMTRAK ENVIRONMENTAL PROCEDURES.

100% ISSUED FOR BID

NO.	DESCRIPTION	DATE	BY	<div><h1>Office of Chief Engineer</h1><p>National Railroad Passenger Corporation 30th Street Station, Philadelphia, Pennsylvania 19104</p></div>		<div><div>Approved</div><div>Date</div></div>	<div><p>Pennoni Associates Inc. 1000 Walnut Street, Suite 500 Philadelphia, PA 19106 T 215.222.3000 F 215.222.3588</p></div>	<div>ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL RECOURSE TO PENNONI ASSOCIATES. OWNERS SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.</div>	<div><div><h2>PETERSBURG (PTB)</h2><h3>ADA PLATFORM PROGRAM (ADAPP)</h3><h4>DRAWING LIST, CODES & GENERAL NOTES</h4><div><div>Designed: DM</div><div>Drawn: SS</div><div>Checked: RR</div><div>Date: 2021-02-22</div></div></div></div>	<div><div>Project Code: PTB, VA</div><div>WBS: C.EN.100694.0669</div><div>Sheet No. 2 OF 80</div></div> <div><div></div></div>
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PLATFORM EGRESS:

PLATFORM EGRESS IS DESIGNED IN ACCORDANCE WITH NFPA 130 BASED UPON INFORMATION ON RIDERSHIP, TRAIN CONSIST, AND CAPACITY PROVIDED BY THE JVPM AND AMTRAK, WHICH IS ASSUMED TO BE RELIABLE.

AMTRAK DEMAND DATA PROVIDED BY JVPM AND AMTRAK.

THE EXIT DISCHARGE SHALL PROVIDE A DIRECT AND UNOBSTRUCTED ACCESS TO A PUBLIC WAY.

EXCEPTION: WHERE ACCESS TO A PUBLIC WAY CANNOT BE PROVIDED, A SAFE DISPERSAL AREA SHALL BE PROVIDED WHERE ALL OF THE FOLLOWING ARE MET:

1. THE AREA SHALL BE OF A SIZE TO ACCOMMODATE AT LEAST 5 SQUARE FEET FOR EACH PERSON.
2. THE AREA SHALL BE LOCATED ON THE SAME LOT AT LEAST 50 FEET AWAY FROM THE BUILDING REQUIRING EGRESS.
3. THE AREA SHALL BE PERMANENTLY MAINTAINED AND IDENTIFIED AS A SAFE DISPERSAL AREA.
4. THE AREA SHALL BE PROVIDED WITH A SAFE AND UNOBSTRUCTED PATH OF TRAVEL FROM THE BUILDING.

NOTE: THE TRAIN IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. ITS LOCATION IS ASSUMED.

TRAIN LOAD:		BOARDING LOAD:
SILVER METEOR - TRAIN LOAD: TRAIN #97 & 98 AMFLEET EQUIPMENT		24
EQUIPMENT TYPE	PASSENGER CAPACITY	
LOCOMOTIVE	0	
LOCOMOTIVE	0	
COACH	59	
COACH	59	
COACH	59	
COACH	59	
COACH (SUMMER SEASONAL)	59	
LOUNGE*	0	
DINING CAR*	0	
SLEEPER	30	
SLEEPER	30	
SLEEPER	30	
BAGGAGE	0	
AMTRAK STAFF ABOARD	12	
TOTAL:	397	

* INDICATES NON-SIMULTANEOUS

BOARDING LOAD

ANNUAL RIDERSHIP - "ONS" - (FROM AMTRAK DEMAND DATA PROVIDED BY JVPM AND AMTRAK)
DAILY RIDERSHIP - "ONS" (ANNUAL RIDERSHIP / 365 DAYS)
TRAINS PER DAY (FROM AMTRAK SCHEDULE)
AVERAGE "ONS" PER TRAIN (DAILY RIDERSHIP - ONS / TRAIN PER DAY)
FACTOR ACCOUNTING FOR VARIABILITY AND GROWTH
TOTAL BOARDING LOAD

31,479 PERSONS
86 PERSONS
15 TRAINS
5 PERSONS
4*
20 PERSONS

*4 = (365/270) x (1.02^20) x 2
365/270 ACCOUNTS FOR HEAVIER TRAVEL ON CERTAIN DAYS (PER AMTRAK STATION PROGRAM AND PLANNING GUIDELINES, APPENDIX C)
(1.20^20) ACCOUNTS FOR 2% ANNUAL GROWTH OVER 20 YEARS
2 ACCOUNTS FOR SERVICE DISRUPTION (MISSED TRAIN)

5.3.2.1 (2)
5.3.2.1 (2)
5.3.2.5 (2)

PLATFORM LOAD

TRAIN LOAD (ONE TRAIN)
BOARDING LOAD (ONE TRAIN)
TOTAL PLATFORM LOAD

397 PERSONS
20 PERSONS
417 PERSONS

5.3.2.1 (1)
5.3.2.1
5.3.2.1

PLATFORM EXIT CAPACITY

A. WALKWAY - 89" WIDTH BETWEEN RAILINGS x 2.08 PERSONS/INCH/MINUTE
B. WALKWAY - 75" WIDTH BETWEEN RAILINGS x 2.08 PERSONS/INCH/MINUTE
C. WALKWAY - 75" WIDTH BETWEEN RAILINGS x 2.08 PERSONS/INCH/MINUTE
D. WALKWAY - 96" WIDTH BETWEEN RAILINGS x 2.08 PERSONS/INCH/MINUTE
TOTAL PLATFORM EXIT CAPACITY

185 PERSONS/MINUTE
156 PERSONS/MINUTE
156 PERSONS/MINUTE
199 PERSONS/MINUTE
696 PERSONS/MINUTE

5.3.4.3
5.3.4.3

PLATFORM EVACUATION TIME

Fp (TIME TO CLEAR PLATFORM) = PLATFORM OCCUPANT LOAD
PLATFORM EGRESS CAPACITY

417 PERSONS

PLATFORM LOAD

PLATFORM EXIT CAPACITY

PLATFORM EVACUATION TIME (Fp) = PLATFORM OCCUPANT LOAD BETWEEN TWO EXITS FURTHEST APART TO ONE OF THE SAID EXIT
CALCULATED PLATFORM EVACUATION TIME IS LESS THAN 4 MINUTES - PASS

696 PERSONS/MINUTE
0.60 MINUTES

C.1.4
5.3.3.1

EVACUATION TIME TO POINT OF SAFETY FROM THE MOST REMOTE POINT ON THE PLATFORM

LONGEST TRAVEL DISTANCE ON PLATFORM - CENTER POINT BETWEEN TWO EXITS FURTHEST APART TO ONE OF SAID EXITS
LONGEST TRAVEL DISTANCE OFF PLATFORM - VIA WALK WAY

315.66 FEET +/-
110 FEET

5.3.3.2

T1 = TRAVEL DISTANCE ON PLATFORM T2 = TRAVEL DISTANCE OFF PLATFORM
124 FT/MIN. 124 FT/MIN.

TRAVEL TIME ON PLATFORM (T1) = 118.33' / 124 FEET PER MINUTE
TRAVEL TIME OFF PLATFORM (T2) = 315.66' / 124 FEET PER MINUTE
TOTAL TRAVEL TIME

0.95 MINUTES
2.54 MINUTES
3.49 MINUTES

5.3.4.4
5.3.4.4
C.1.4

Wp = Fp - T1

WAITING TIME ON PLATFORM (Wp) = PLATFORM EVACUATION TIME (Fp) - TRAVEL TIME ON PLATFORM (T1)

(0.00) MINUTES

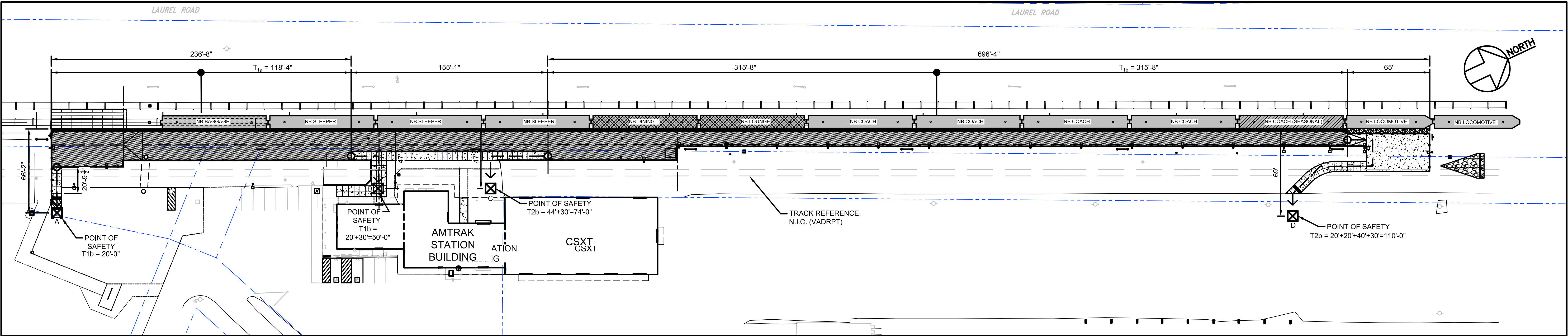
C.1.4

EVACUATION TIME TO A POINT OF SAFETY (T1 + Wp + T2)
MINUTES

3.49

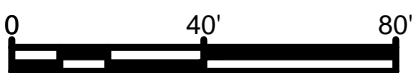
CALCULATED EVACUATION TIME TO A POINT OF SAFETY IS LESS THAN 6 MINUTES - PASS

5.3.3.2



PLATFORM EGRESS CAPACITY PLAN

SCALE: 1" = 40'-0"



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Office of Chief Engineer

National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date



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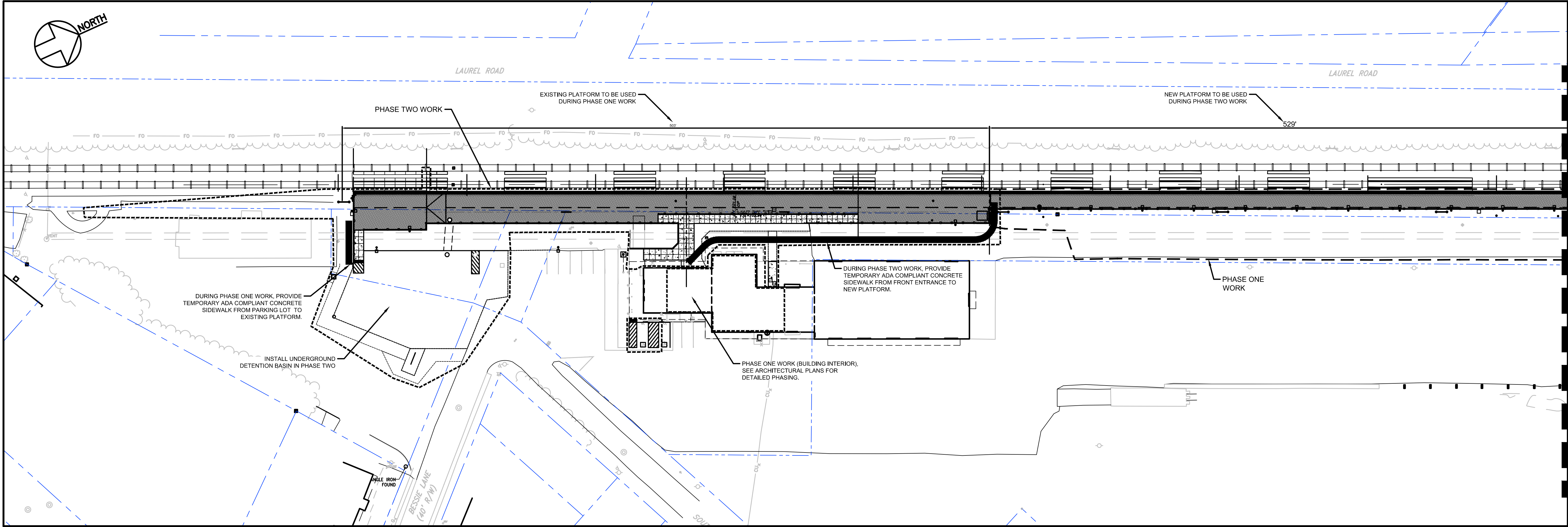
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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
PLATFORM EGRESS CAPACITY PLAN

Designed: DM Drawn: SS Checked: RR Date: 2021-02-22

Project Code:	PTB_VA
WBS:	C.EN.100694.0669
Sheet No.	3 OF 80
Dwg. No.	G-002

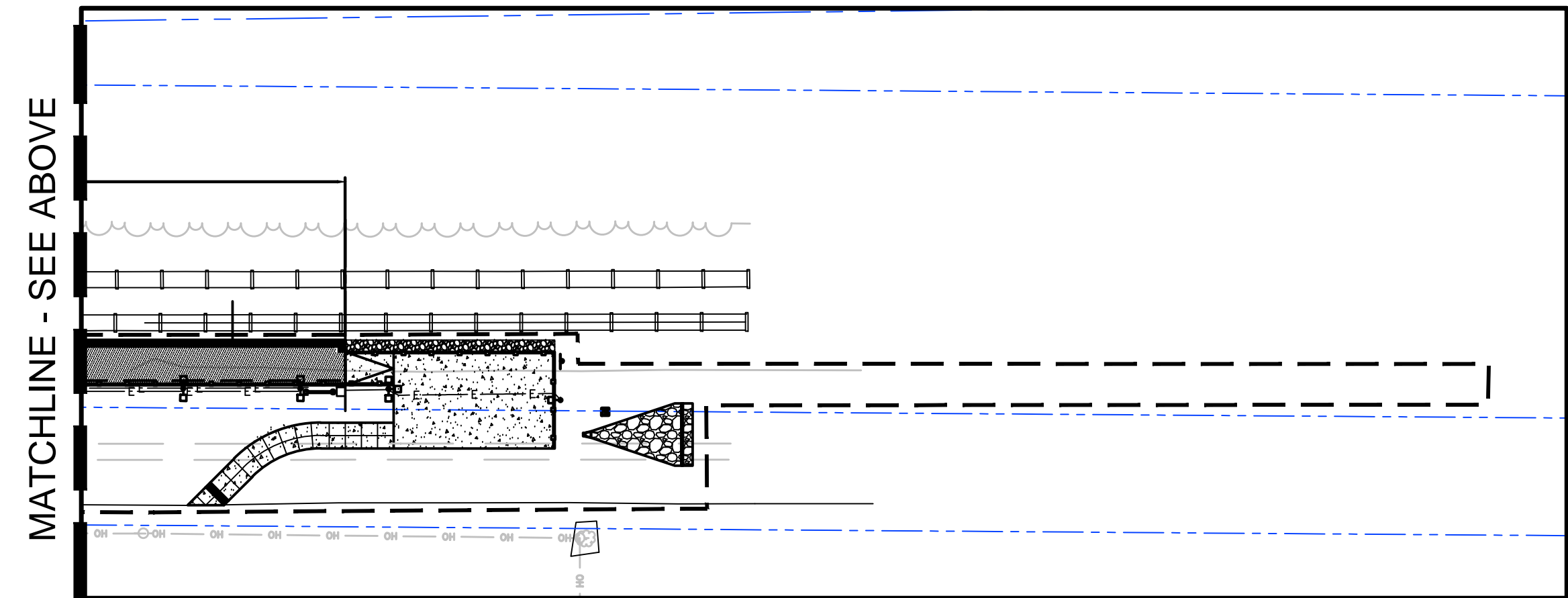
\\va\shared\2021\020210000 - 30th Street Station Platform VA\20210000_0000.dwg PLOTED: 2/15/2021 11:49 AM BY: BMS Model



PHASING PLAN

SCALE: 1" = 40'-0"

MATCHLINE - SEE BELOW



PHASING PLAN

SCALE: 1" = 40'-0"

PHASING NOTES:

- PHASE ONE WORK INCLUDES:
 - TEMPORARY PEDESTRIAN ACCESS TO SOUTH PLATFORM.
 - ALL WORK IN STATION BUILDING.
 - NEW STATION PLATFORM (NORTH END) AND RELATED WORK.
 - PLATFORM LIGHTING AND SIGNAGE (NORTH END).
 - ADA RAMP AND EGRESS SIDEWALKS (NORTH END) FROM PROW TO PLATFORM AND STATION BUILDING ENTRANCE AREA.
 - INSTALLATION OF DETECTABLE WARNING SURFACES.
 - STORMWATER MANAGEMENT FOR NORTH PLATFORM.
- PHASE TWO WORK INCLUDES:
 - NEW STATION PLATFORM (SOUTH END) AND RELATED WORK.
 - REINSTALLATION OF PLATFORM CANOPY.
 - PLATFORM LIGHTING AND SIGNAGE (SOUTH END).
 - EGRESS SIDEWALKS (SOUTH END) FROM PROW TO PLATFORM.
 - REMAINING SIDEWALK CONNECTIONS TO PLATFORM.
 - STORMWATER MANAGEMENT FOR SOUTH PLATFORM.
 - LANDSCAPING AND SITE RESTORATION.
- SOUTH END OF EXISTING PLATFORM TO BE USED DURING PHASE ONE CONSTRUCTION.
- BUILDING AND PLATFORM TO REMAIN OPEN DURING CONSTRUCTION. SIDEWALK WORK IN FRONT OF DOORS TO BE DONE OFF-HOURS AND/OR TEMPORARY ACCESS SHALL BE PROVIDED.

NOTE:
PHASING PLAN IS PROVIDED FOR INFORMATION ONLY. CONTRACTOR TO SUBMIT DETAILED CONSTRUCTION PHASING PLAN AND SCHEDULE FOR APPROVAL.

LEGEND	
EXISTING	PROPOSED
LIGHT POLE	PHASE ONE WORK
CEILING MOUNTED LIGHT	PHASE TWO WORK
INLET	CONCRETE PLATFORM
UTILITY POLE	CONCRETE PAVING
GUY	BITUMINOUS PAVING
GUY ON CONC. BASE	DETECTABLE WARNING SURFACE (DWS)
SIGN	ACCESSIBLE ROUTE
HANDICAP SIGN	LIGHT FIXTURE
DEPRESSED CURB	STATION SIGNAGE
HYDRANT	TRENCH DRAIN
CLEANOUT	
MANHOLE	
COLUMN	
TRASH CAN	
SPEAKER	
TREE	
PROPERTY LINE	
RAILROAD RIGHT-OF-WAY LINE	
EXISTING CONTOUR	

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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
PHASING PLAN

Designed: DM Drawn: SS Checked: RR Date: 2021-02-22

VA	Project Code: PTB_VA
	WBS: C.EN.100694.0669
	Sheet No. 4 OF 80
	Dwg. No. G-003

CIVIL NOTES

A. GENERAL

1.

PROJECT NAME AND LOCATION:
AMTRAK TRAIN STATION - PTB
3516 SOUTH STREET
PETERSBURG, VA 23803
2.

BUILDING AND PARKING AREA OWNER: CSX
ADA RESPONSIBILITY FOR SINGLE SIDE PLATFORM, PARKING LOT, AND LEASE ARE
WITHIN THE STATION: AMTRAK
3.

PLATFORM OWNER: CSX
4.

AMTRAK
OFFICE OF CHIEF ENGINEER STRUCTURES
NATIONAL RAIL ROAD PASSENGER CORPORATION
30TH STREET STATION, PHILADELPHIA, PENNSYLVANIA 19104
5.

PROJECT DESCRIPTION:

a.

THIS PROJECT SHALL CONSIST OF THE CONSTRUCTION OF DEPARTMENT OF TRANSPORTATION ACCESSIBILITY STANDARD (DOTAS) COMPLIANT FEATURES INCLUDING BUT NOT LIMITED TO SIDEWALKS, RAMPS, STATION PLATFORM, SIGNAGE, LIGHTING AND ASSOCIATED IMPROVEMENTS AS NOTED ON THE DRAWINGS.

b.

SOIL DISTURBING ACTIVITIES TO INCLUDE ALL NECESSARY CLEARING AND GRUBBING, INSTALLATION OF EROSION CONTROL DEVICES, GRADING, FOUNDATION AND TRENCH EXCAVATION, AND PREPARATION OF LANDSCAPE AREAS. EROSION CONTROL FOR THE SITE INCLUDES SILT FENCING AND INLET PROTECTION WHERE NECESSARY.
6.

EXISTING CONDITIONS INFORMATION CONTAINED ON THESE PLANS WAS PROVIDED TO PENNONI BY AMTRAK. DATA IS BASED ON PLAN ENTITLED "TOPOGRAPHIC SURVEY", DATED 8/01/2019, PERFORMED BY GREENMAN-PEDERSEN INC (GPI), OF COLUMBIA, MARYLAND. IF ANY DISCREPANCIES OR CONFLICTS FOR THE EXISTING CONDITIONS ARE FOUND IN THE FIELD WHICH MAY AFFECT THE SCOPE OF WORK, THE CONTRACTOR SHALL NOTIFY AMTRAK AND THE ENGINEER IMMEDIATELY.

a.

BENCHMARK AND CONTROL POINTS AS INDICATED ON THE TOPOGRAPHY SURVEY (DWG Y-001).

B. CONTRACTOR ACTIVITIES

1.

VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES WITHIN THE SCOPE OF CONSTRUCTION BEFORE COMMENCING WITH ANY WORK.

a.

CALL VIRGINIA 811 (1-800-524-7603) A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WITH ANY WORK.

b.

MAKE NECESSARY ADJUSTMENTS TO ENSURE THE PROPER CONNECTIONS OF NEW SERVICES. COORDINATE WITH UTILITY COMPANIES TO ENSURE CONFORMANCE WITH THE UTILITY COMPANIES' STANDARDS AND SPECIFICATIONS.

c.

RESET ALL UTILITY VALVE COVERS AND CASTINGS TO ENSURE CONFORMANCE WITH THE UTILITY COMPANIES' STANDARDS AND SPECIFICATIONS
2.

DISTURBED AREAS ADJACENT TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST.
3.

SAW CUT AND REMOVE EXISTING PAVEMENT AND WALKS IN ACCORDANCE WITH STATE AND LOCAL CODES;

a.

PROVIDE A STRAIGHT AND UNIFORM EDGE ADJACENT TO EXISTING CONSTRUCTION WHICH IS TO REMAIN.

b.

ALIGN ALL EDGES TO MEET FLUSH WITH EXISTING PAVEMENT OR WALKS AS SHOWN ON THE CIVIL PLAN.

c.

COMPLETELY REMOVE PAVEMENT DOWN TO THE UNDERLYING SUBGRADE.
4.

PROVIDE DE-WATERING IN ALL EXCAVATIONS AS NEEDED.
5.

ALL STATION AND PLATFORM WORK, CONSTRUCTION LAYDOWN AND STORAGE AREAS, AND CONSTRUCTION ACCESS/EGRESS LOCATIONS ARE CONFINED TO THE AREA(S) DEFINED BY THE AMTRAK LEASE LINES, UNLESS OTHERWISE AGREED TO BY AMTRAK. PRIOR TO ANY CONSTRUCTION ACTIVITIES, OBTAIN PERMISSION AND AUTHORIZATION TO ENTER, CONSTRUCT, AND/OR OCCUPY ANY PROPERTY OUTSIDE THE DEFINED LEASE LINES AS SHOWN ON THE PLANS.

C. ADA CONSTRUCTION TOLERANCES

1.

SEE SHEET G-001 FOR ADA CONSTRUCTION TOLERANCES AND GRADING NOTES.

D. SEDIMENT & EROSION CONTROL NOTES

1.

THE DESIGN OF EROSION CONTROL SYSTEMS AND BEST MANAGEMENT PRACTICES (BMP's) SHALL FOLLOW THE REQUIREMENTS OF STATE AND LOCAL CODES.
2.

THE CONTRACTOR SHALL PROVIDE AND PLACE SEDIMENT CONTROLS AS NECESSARY AT ALL POINTS WHERE WATER LEAVES THE PROJECT, INCLUDING WATERWAYS, OVERLAND SHEET FLOW, AND STORM SEWERS, WHETHER SPECIFICALLY SHOWN ON THE PLANS OR NOT.
3.

ACCEPTED METHODS OF PROVIDING EROSION/SEDIMENT CONTROL INCLUDE BUT ARE NOT LIMITED TO: SEDIMENT FILTERS, SILT FENCE, INLET PROTECTION ETC.
4.

THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE OF THE WORK AREA AT ALL TIMES CONSISTENT WITH STATE AND LOCAL CODES.
5.

DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF DISTURBANCE AND A MINIMUM OF 1 DAY BEFORE EXPECTED RAIN EVENTS. OTHER SEDIMENT CONTROLS THAT ARE INSTALLED SHALL BE MAINTAINED UNTIL VEGETATIVE GROWTH HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY SEDIMENT

DEVICES AT THE CONCLUSION OF CONSTRUCTION BUT NOT BEFORE GROWTH OF PERMANENT GROUND COVER.

6.

ALL DENUDED AREAS, INCLUDING STOCKPILED TOPSOIL AND EXCAVATED MATERIAL, ARE TO BE PROTECTED THROUGH THE USE OF TEMPORARY SEEDING, OR COVERED WITH ANCHORED STRAW MULCH.
7.

FINAL GRADING WILL BE CONSISTENT WITH PRE-CONSTRUCTION TOPOGRAPHY TO MAINTAIN DRAINAGE AND AESTHETICS.
8.

REMOVE ONLY THE TREES, SHRUBS, AND GRASSES THAT MUST BE REMOVED TO PERMIT ACTUAL CONSTRUCTION. PROTECT THE REMAINING TO PRESERVE THEIR AESTHETIC AND EROSION CONTROL VALUE.
9.

SETTLING FACILITIES, SEDIMENT FILTERS, PERIMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING OR CONSTRUCTION AND WITHIN 7 DAYS PRIOR TO ANY CLEARING OR GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.
10.

CONSTRUCTION ACCESS ROUTES - MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND EQUIPMENT IS ELIMINATED.
11.

SLOUGHING AND DUMPING - NO SOIL, ROCK, DEBRIS, OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP, OR ERODE INTO A WATER RESOURCE.
12.

MAINTENANCE AND INSPECTION - ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND INSPECTION OF ALL EROSION/SEDIMENT CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
13.

OUTFLOWS FROM DEWATERING OPERATIONS - ALL WATER PRODUCED FROM CLEANING AND DEWATERING OPERATIONS, WHETHER SPECIFICALLY FROM TRENCH DEWATERING OPERATIONS OR FROM MORE EXTENSIVE DEWATERING OPERATIONS, SHALL BE DISCHARGED IN SUCH A MANNER AS TO ELIMNATE EROSION FROM SUCH DISCHARGE.

E. DEPARTMENT OF TRANSPORTATION ACCESSIBILITY STANDARDS (DOTAS)

1.

ALL ADA FIXTURES, WALKING SURFACES, RAMPS, ETC., SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE 2006 THE DEPARTMENT OF TRANSPORTATION ACCESSIBILITY STANDARDS.
2.

WHERE NOTED ON THESE PLANS AND AS SPECIFIED IN THE 2006 DEPARTMENT OF TRANSPORTATION ACCESSIBILITY STANDARDS FOR ACCESSIBLE DESIGN SLOPE MAXIMUMS SHALL NOT BE EXCEEDED. IN SUCH APPLICATIONS WHERE STANDARD CONSTRUCTION TOLERANCES MAY EXCEED MAXIMUM SLOPE DESIGNATIONS, MAXIMUM SLOPE DESIGNATIONS SHALL PREVAIL.

HOST RAILROAD REQUIREMENTS

1.

ALL ACTIVITIES WITHIN 25 FEET FROM THE CENTERLINE OF THE ADJACENT TRACK ARE CONSIDERED FOULING THE TRACK. DURING CONSTRUCTION, CLEAR THE FOUL AREA BY REMOVING ALL PERSONNEL AND EQUIPMENT A MINIMUM OF 25 FEET FROM THE CENTERLINE OF THE ADJACENT TRACK DURING TRAIN OPERATIONS. NOTICE FOR CLEARING THE FOUL AREA DURING TRAIN OPERATIONS WILL BE GIVEN BY AN ONSITE RAILROAD PROTECTION FLAGMAN. CLEAR THE FOUL AREA AND REMAIN CLEAR OF THE FOUL AREA UNTIL ALLOWED TO RETURN AS INSTRUCTED BY THE FLAGMAN. THIS REQUIREMENT TO CLEAR AND REMAIN CLEAR OF THE FOULED AREA MAY OCCUR AT ANY TIME DURING THE CONSTRUCTION ACTIVITIES.
2.

PLACEMENT OR STORAGE OF MATERIAL OR EQUIPMENT WILL NOT BE PERMITTED WITHIN 25 FEET FROM CENTERLINE OF AN ADJACENT TRACK, EXCEPT AS MAY BE NOTED IN THE APPROVED SITE SPECIFIC WORK PLAN. TO ENSURE THIS REQUIREMENT, ESTABLISH A 25 FOOT LINE PRIOR TO THE START OF WORK BY DRIVING STAKES, TAPING OFF, OR ERECTING A TEMPORARY FENCE.
3.

SUBMIT SITE SPECIFIC WORK PLANS (SSWP) INCLUDING COMPUTATIONS AND A DETAILED DESCRIPTION OF PROPOSED METHODS FOR ACCOMPLISHING THE WORK, INCLUDING METHODS FOR PROTECTING HOST RAILROAD TRAFFIC. MULTIPLE SSWPS MAY BE REQUIRED FOR EACH STATION AS DIRECTED BY THE PROJECT ENGINEER, DEPENDENT UPON THE WORK TASKS AND DURATIONS OF EACH WORK TASK.
4.

CSXT PROPERTY ACCESS REQUIREMENTS:

a.

CSXT WILL REVIEW AND APPROVE CONTRACTOR'S INSURANCE POLICY.

b.

CSXT WILL REVIEW AND APPROVE THE CONTRACTOR'S SITE SPECIFIC WORK PLAN.

c.

UPON APPROVAL OF THE INSURANCE AND WORK PLAN, CSXT WILL PREPARE A RIGHT OF ENTRY AGREEMENT FOR SIGNATURE.

d.

ALL EMPLOYEES MUST SECURE SAFETY TRAINING BY APPROVED CSXT TRAINERS, NO SUBSTITUTIONS.

e.

AFTER THE RIGHT OF ENTRY AGREEMENT IS EXECUTED, CSXT WILL ISSUE A CONSTRUCTION AUTHORIZATION TO THE CONTRACTOR.
5.

USE OF COMPANY ISSUED CELL PHONE OR RADIOS IS NOT ALLOWED WITHIN 25 FEET OF THE TRACK CENTERLINE. PERSONAL ISSUED ELECTRONIC DEVICES (CELL PHONE, FITNESS TRACKERS, EARPIECES, ETC.) ARE TO BE TURNED OFF AND STORED OUT OF SIGHT AND NOT ON THE EMPLOYEE'S PERSON WHEN WITHIN THE 25 FOOT FOUL ZONE.
6.

COORDINATE TEMPORARY SIGN INSTALLATION LOCATIONS WITH THE HOST RAILROAD AND AMTRAK TO ADDRESS OPERATIONS CONCERNS.
7.

PHASE THE WORK SO AS TO MAINTAIN THE NORMAL TRAIN OPERATIONS AND ACCESS FOR PASSENGER MOVEMENT FOR BOARDING AND DEPARTING THE TRAINS AND ACCESS TO ADJACENT PARKING FACILITIES.
8.

THE FLAGGING ACTIVITIES AND PRESENCE WILL BE DETERMINED BY THE HOST RAILROAD AND WILL BE BASED UPON THE APPROVED SITE SPECIFIC WORK PLAN. FLAGGING PROTECTION IS REQUIRED FOR WORK WITHIN 50' OF THE CSX RIGH-OF-WAY. THE ROADMASTER HAS THE OPTION TO WAIVE THE PROTECTION OUTSIDE OF 25' BASED ON THE NATURE OF THE WORK AND SITE CONDITIONS. FLAGGING REQUEST MUST BE MADE TO AMTRAK AT LEASE TWO WEEKS IN ADVANCE OF MOBILIZATION. LONG TERM FLAGGING REQUEST (2 WEEKS AND LONGER) MUST BE MAKE 30 DAYS IN ADVANCE.
9.

MARK OUTS: PRIOR TO MOBILIZATION, CONTRACTOR MUST CONTACT:

a.

PUBLIC UTILITY MARK OUTS (VIRGINIA 811)

- b.

CSXT RAILROAD FACILITY MARK OUTS - REQUEST FOR MARK OUTS MUST BE MADE WHEN FLAGGING REQUEST IS SENT TO AMTRAK. CONTRACTOR IS NOT TO CONTACT CSXT DIRECTLY.

10.

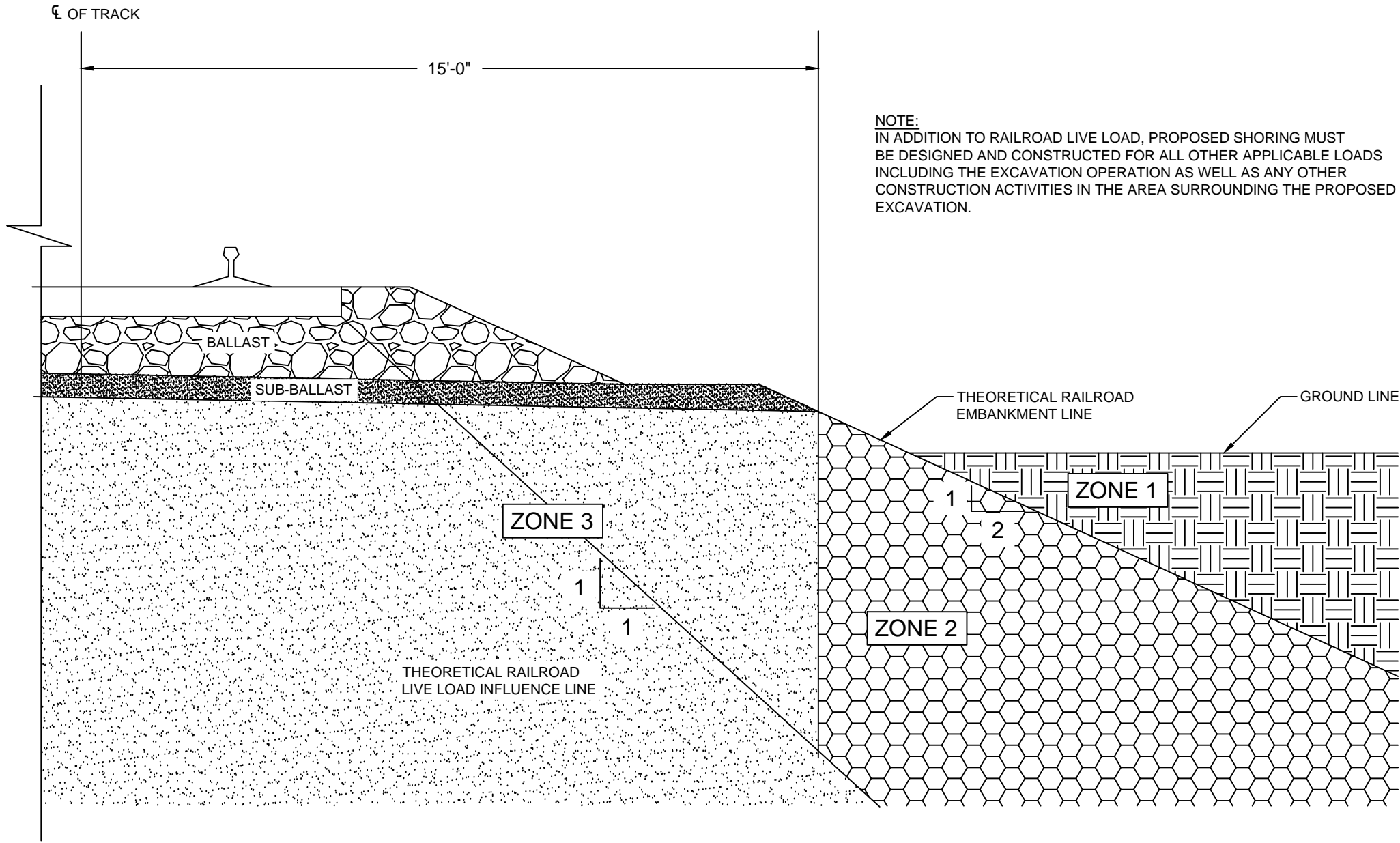
COORDINATE WITH AMTRAK AND HOST RAILROAD TO LOCATE, PROTECT, AND RESTORE ALL BURIED UTILITIES, SIGNAL, AND COMMUNICATION CABLES. VERIFY AND MARK ALL UTILITIES, SIGNAL AND COMMUNICATION CABLES PRIOR TO ANY EXCAVATION. IN ADDITION TO MARK OUTS PERFORMED FOR OR BY THE UTILITY COMPANIES, NOTIFY THE HOST RAILROAD FOR A SEPARATE DIG TICKET PRIOR TO EXCAVATION.

11.

STORAGE OF MATERIAL OR EQUIPMENT ON OWNER'S PROPERTY WILL NOT BE PERMITTED WITHOUT FIRST HAVING OBTAINED PERMISSION FROM THE RESIDENT ENGINEER.

12.

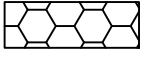
CONFORM TO THE HOST RAILROAD GUIDELINES FOR TEMPORARY SHORING IN ACCORDANCE TO THE CSXT THEORETICAL LIVE LOAD INFLUENCE ZONE DETAIL DATED 7/2017.



NORMAL REQUIREMENTS FOR SHORING ADJACENT TO TRACK



ZONE 1 - EXCAVATIONS ABOVE AND OUTSIDE OF THE THEORETICAL RAILROAD EMBANKMENT LINE - DO NOT NORMALLY REQUIRE SHORING TO PROTECT RAILROAD ROADBED, SHORING MAY BE REQUIRED FOR OTHER REASONS.



ZONE 2 - EXCAVATIONS WHOSE BOTTOM EXTEND INTO ZONE 2 REQUIRE SHORING, BUT THE SHORING MAY NORMALLY BE PULLED AFTER THE EXCAVATION HAS BEEN BACKFILLED.



ZONE 3 - EXCAVATIONS WHOSE BOTTOMS EXTEND INTO ZONE 3 WILL NORMALLY REQUIRE SHORING TO BE LEFT IN PLACE AND CUT-OFF 3' BELOW BASE OF RAIL. SHORING MUST BE DESIGNED FOR COPPER E80 LIVE LOAD.

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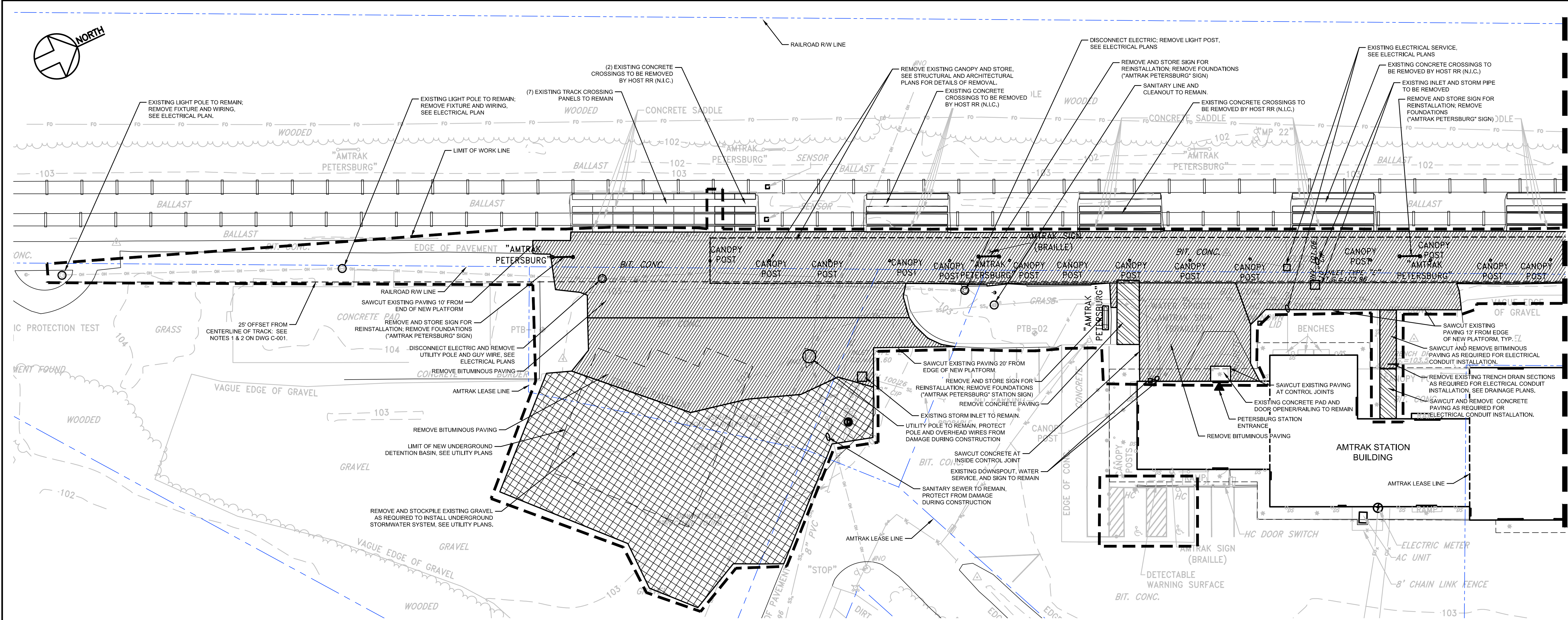
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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
CIVIL GENERAL NOTES

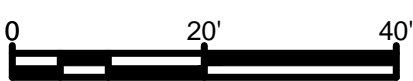
Designed: DM Drawn: SS Checked: RR Date: 2021-02-22

Project Code:	PTB_VA
WBS:	C.EN.100694.0669
Sheet No.	5 OF 80
Dwg. No.	C-001



CIVIL DEMOLITION PLAN - SOUTH

SCALE: 1" = 20'-0"



SITE PREPARATION AND REMOVAL NOTES:

1. ALL SEDIMENT AND EROSION CONTROL MEASURES AND TREE PROTECTION FENCING MUST BE INSTALLED BEFORE EXCAVATION OR OTHER EARTH DISTURBANCE ACTIVITIES.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION OF WORK AREA DURING CONSTRUCTION.

3. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD LOCATE AND RECORD ANY DAMAGE TO EXISTING PAVING, SIDEWALK, CURB, UTILITIES OR OTHER ITEMS IN THE WORK AREA. ENGINEER MUST VERIFY LOCATION AND EXTENT OF DAMAGE.

4. OWNER WILL DESIGNATE AREA TO BE USED AS A TEMPORARY STAGING/STORAGE AREA. ANY DAMAGE TO PAVING, SIDEWALK, CURB, LAWN, ETC MUST BE REPAIRED/REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.

5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING ITEMS WITHIN THE WORK AREA NOTED FOR REMOVAL. REMOVAL INCLUDES ALL FOUNDATIONS, SUBBASE MATERIALS AND OTHER ITEMS SPECIFICALLY IDENTIFIED FOR REMOVAL ON THE DRAWINGS AND AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS. AFTER REMOVALS, CONTRACTOR IS RESPONSIBLE FOR BACKFILL, COMPACTION, AND RESTORATION OF DISTURBED AREAS.

6. PAVEMENTS AND CURBS TO BE REMOVED ARE TO BE SAWCUT TO A CLEAN, STRAIGHT EDGE TO FULL DEPTH OF PAVEMENT OR CURB. PAVEMENT REMOVAL INCLUDES ALL BITUMINOUS, CONCRETE, AND/OR STONE BASE COURSES.
7. CONTRACTOR SHALL PROTECT ALL BUILDINGS, UTILITIES, FACADES, ENTRANCE PADS, FENCING, SIGNAGE, PLANT MATERIAL, AND OTHER ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE AND/OR RESTORE DAMAGED OR DISTURBED AREAS AS A RESULT OF HIS NEGLIGENCE AT NO ADDITIONAL COST TO THE OWNER TO THE OWNER'S SATISFACTION.

8. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR ON A DAILY BASIS.

9. ALL EXISTING UTILITY BOXES, METERS, MANHOLES, ETC. WITHIN THE WORK AREA ARE TO REMAIN UNLESS NOTED. REMOVE PAVING AROUND THESE STRUCTURES WITHOUT DISTURBANCE. ADJUST TOPS TO FINISHED GRADE AS NECESSARY.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING CONSTRUCTION, INCLUDING ALL DIRECTIONAL AND SAFETY SIGNAGE AND FENCING REQUIRED TO DIRECT TRAFFIC AND PROTECT WORK AREAS.
2. CONTRACTOR SHALL PREPARE A MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR APPROVAL. PASSENGER ACCESS TO THE STATION BUILDING AND TO THE PLATFORM MUST BE MAINTAINED. TRAIN SCHEDULES WILL BE PROVIDED FOR COORDINATION OF WORK THAT AFFECTS ACCESS.
3. INSTALL CONSTRUCTION FENCE AROUND PROJECT LIMIT OF DISTURBANCE/LIMIT OF WORK LINE. TEMPORARY CONSTRUCTION FENCE SHALL BE 4' HIGH HEAVY DUTY ORANGE SAFETY FENCE, HIGH DENSITY POLYETHYLENE, SQUARE MESH, WITH SMOOTH TOP AND BOTTOM BORDERS.

LEGEND

EXISTING		PROPOSED	
	PROPERTY LINE		BITUMINOUS PAVING TO BE REMOVED
	RAILROAD RIGHT-OF-WAY LINE		CONCRETE PAVEMENT TO BE REMOVED
	LIGHT POLE		GRAVEL PAVING TO BE REMOVED
	CEILING MOUNTED LIGHT		LIMIT OF WORK LINE
	UTILITY POLE / GUY WIRE		
	OVERHEAD ELECTRIC		
	UNDERGROUND ELECTRIC		
	INLET / MANHOLE		
	DOWNSPOUT		
	STORM SEWER		
	SANITARY SEWER		
	WATER VALVE / HYDRANT		
	WATER LINE		
	EXISTING CONTOUR		
	SIGN		
	TREE / VEGETATION		

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Office of Chief Engineer

National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

Approved	Date



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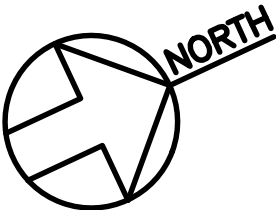
PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
CIVIL DEMOLITION PLAN - SOUTH

Designed: DM Drawn: SS Checked: RR Date: 2021-02-22

VA

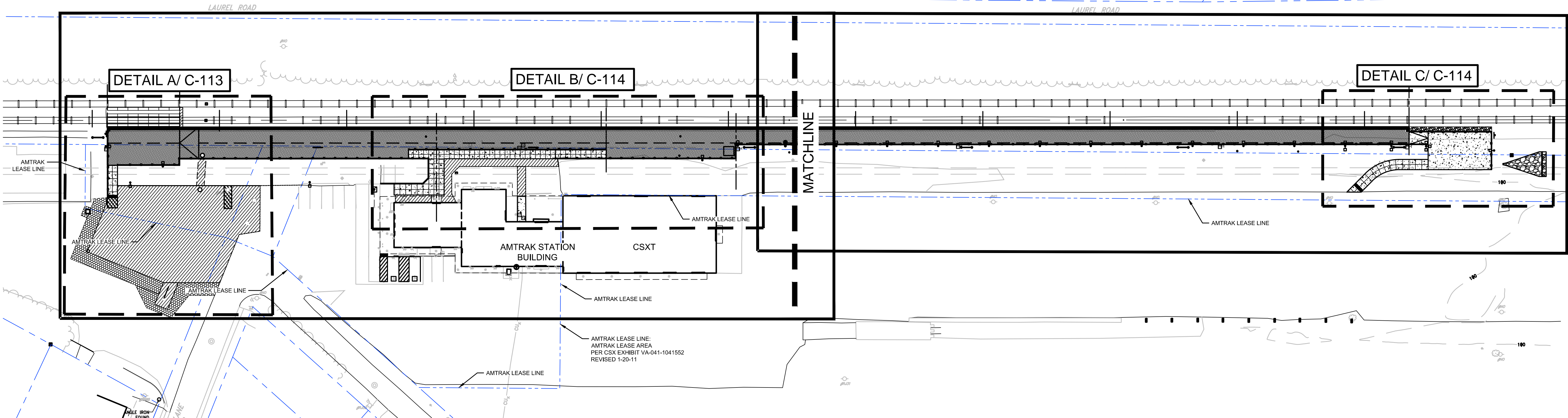
Project Code:	PTB_VA
WBS:	C.EN.100694.0669
Sheet No.	6 OF 80
Dwg. No.	C-101

Page 10 of 10



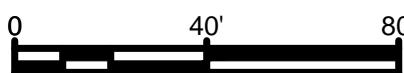
SHEET C-111

SHEET C-112



CIVIL OVERALL SITE PLAN

SCALE: 1" = 40'-0"



LEGEND

EXISTING	PROPOSED
PROPERTY LINE	CONCRETE STATION PLATFORM
RAILROAD RIGHT-OF-WAY LINE	CONCRETE PAVING
LIGHT POLE	BITUMINOUS PAVING
CEILING MOUNTED LIGHT	DETECTABLE WARNING SURFACE (DWS)
UTILITY POLE / GUY WIRE	GRAVEL PAVING
OVERHEAD ELECTRIC	STATION SIGNAGE
UNDERGROUND ELECTRIC	LIGHT FIXTURE
INLET / MANHOLE	BOLLARD
DOWNSPOUT	TRENCH DRAIN
STORM SEWER	MANHOLE / HANDHOLE
SANITARY SEWER	STORMWATER ENDWALL
WATER VALVE / HYDRANT	SIGN
WATER LINE	
EXISTING CONTOUR	
SIGN	
TREE / VEGETATION	

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30th Street Station, Philadelphia, Pennsylvania 19104

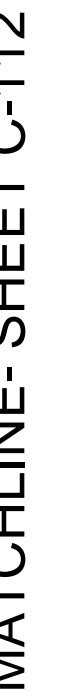
Approved	Date



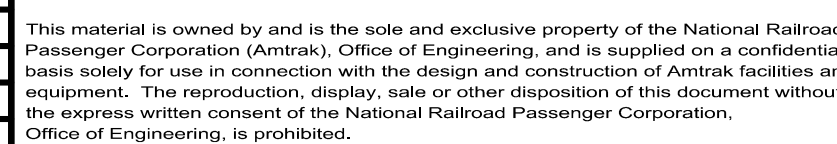
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PETERSBURG (PTB)		VA	Project Code:	PTB, VA
ADA PLATFORM PROGRAM (ADAPP)			WBS:	C.EN.100694.0669
CIVIL OVERALL SITE PLAN			Sheet No.	8 OF 80
Designed: DM		Drawn: SS	Checked: RR	Date: 2021-02-22
Dwg. No.		C-110		



SCALE: 1" = 20'-0"

[illegible]

National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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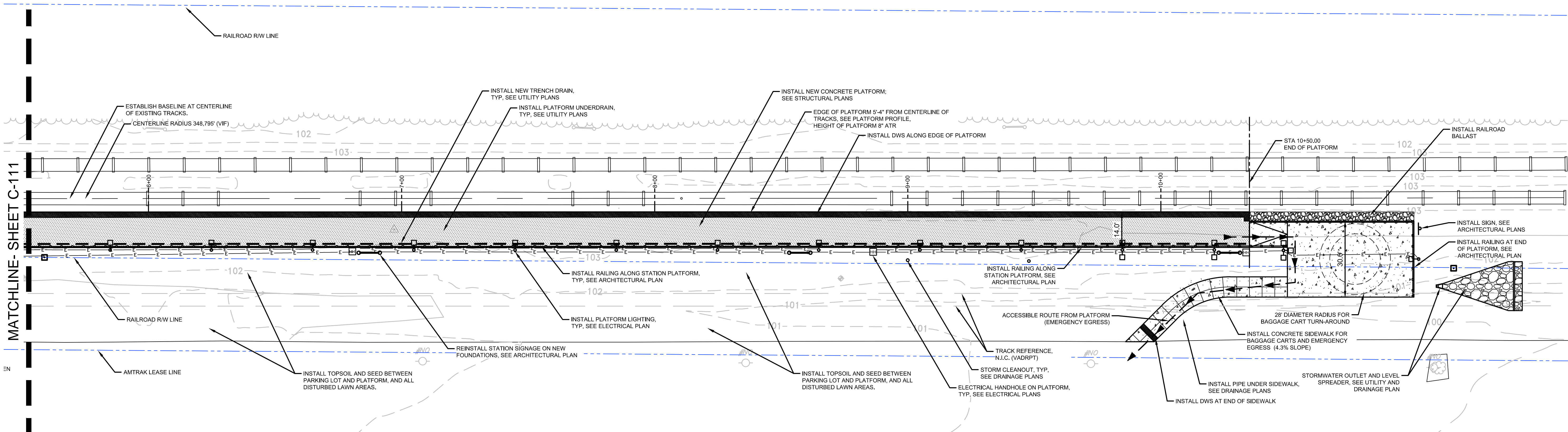
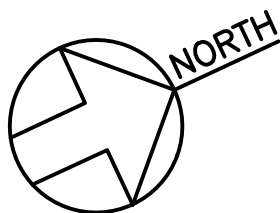
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S D ON R ON	PETERSBURG (PTB)
	ADA PLATFORM PROGRAM (ADAPP) CIVIL SITE PLAN - SOUTH

Designed: DM	Drawn: SS	Checked: RR	Date: 2021-02-22
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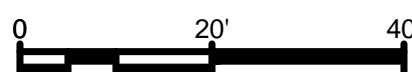
Project Code:	PTB, VA
WBS:	C.EN.100694.0669
Sheet No.	9 OF 80
Dwg. No.	C-111

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SITE PLAN - NORTH

SCALE: 1" = 20'-0"



GRAVEL RESTORATION NOTES:

1. REMOVE AND STORE EXISTING GRAVEL IN ALL GRAVEL PARKING AREAS TO BE DISTURBED. DO NOT MIX SUBGRADE MATERIAL WITH GRAVEL.
2. AFTER STORMWATER IMPROVEMENTS AND BITUMINOUS PAVING IS INSTALLED, REGRADE AND COMPACT SUBGRADE TO 6" BELOW FINISHED GRADE.
3. REPREAD AND COMPACT STORED GRAVEL TO FINISHED GRADES SHOWN. FINISHED GRADE OF COMPACTED GRAVEL TO MEET EXISTING ADJACENT PAVING.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF STORED GRAVEL NOT USED FOR RESTORATION.

LAWN RESTORATION NOTES:

1. FINISH GRADE AND SEED ALL DISTURBED AREAS WITHIN THE LIMIT OF WORK, AND ANY OTHER AREAS DISTURBED BY CONSTRUCTION ACTIVITY.
2. FOR LAWN RESTORATION AREAS, REMOVE ALL DEBRIS AND INSTALL NEW TOPSOIL.
3. FINISHED GRADE OF LAWN AREA (TOP OF COMPACTED SOIL) MUST BE LEVEL WITH FINISHED GRADE OF ADJACENT EXISTING OR NEW SIDEWALK AND CURB.
4. MULCH SEEDED AREAS WITH CLEAN STRAW.
5. WATER AND MAINTAIN ALL LAWN AREAS UNTIL ESTABLISHED.
6. RESEED BARE OR THIN AREAS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
7. SEED MIXTURE: 60% NASSAU KENTUCKY BLUEGRASS
20% JAMESTOWN II CHEWINGS FESCUE
20% PALMER II PERENNIAL RYEGRASS
100% APPLIED AT 3 1/2 TO 4 LBS. PER 1000 S.F.

LEGEND

EXISTING		PROPOSED	
	PROPERTY LINE		CONCRETE STATION PLATFORM
	RAILROAD RIGHT-OF-WAY LINE		CONCRETE PAVING
	LIGHT POLE		BITUMINOUS PAVING
	CEILING MOUNTED LIGHT		DETECTABLE WARNING SURFACE (DWS)
	UTILITY POLE / GUY WIRE		GRAVEL PAVING
	OVERHEAD ELECTRIC		STATION SIGNAGE
	UNDERGROUND ELECTRIC		LIGHT FIXTURE
	INLET / MANHOLE		BOLLARD
	DOWNSPOUT		TRENCH DRAIN
	STORM SEWER		MANHOLE / HANDHOLE
	SANITARY SEWER		STORMWATER ENDWALL
	WATER VALVE / HYDRANT		SIGN
	WATER LINE		
	EXISTING CONTOUR		
	SIGN		
	TREE / VEGETATION		

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Approved	Date



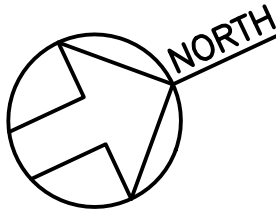
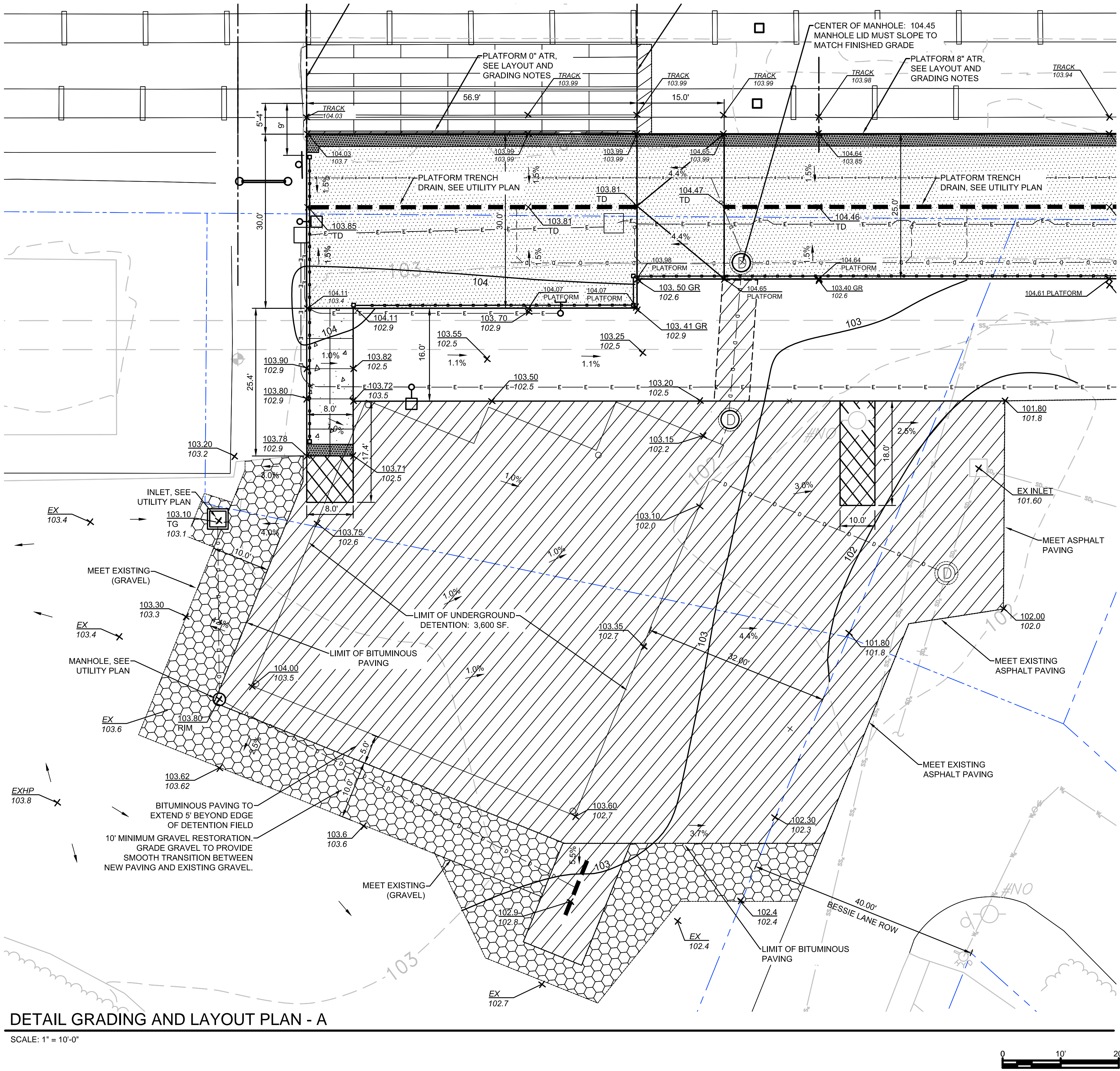
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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
CIVIL SITE PLAN - NORTH

Designed: DM Drawn: SS Checked: RR Date: 2021-02-22

Project Code:	PTB_VA
WBS:	C.EN.100694.0669
Sheet No.	10 OF 80
Dwg. No.	C-112



LAYOUT NOTE:
EDGE OF PLATFORM MUST BE A CONSISTENT 5'-4"
FROM THE CENTERLINE OF THE TRACK ON THE
WEST SIDE OF THE PLATFORM. CONTRACTOR MUST
NOTIFY OWNER/ENGINEER IMMEDIATELY IF
ACCEPTABLE GRADES CANNOT BE MAINTAINED.

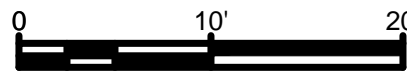
GRADING NOTE:
EDGE OF PLATFORM MUST BE A CONSISTENT 8"
ABOVE TOP OF RAIL ON THE WEST SIDE OF THE
PLATFORM. CONTRACTOR SHALL SURVEY TOP OF
RAILS ADJACENT TO PLATFORM AT COMMENCEMENT
OF THE PROJECT AND NOTIFY OWNER/ENGINEER OF
DISCREPANCIES BETWEEN THE TOPOGRAPHIC
SURVEY AND ACTUAL SITE CONDITIONS. ANY
CHANGE TO THE SPOT ELEVATION AT TOP OF
RAIL/EDGE OF PLATFORM WILL AFFECT SPOT
ELEVATIONS ACROSS THE PLATFORM.

LEGEND

- | EXISTING | PROPOSED |
|----------------------------|----------------------------------|
| PROPERTY LINE | CONCRETE STATION PLATFORM |
| RAILROAD RIGHT-OF-WAY LINE | CONCRETE PAVING |
| LIGHT POLE | BITUMINOUS PAVING |
| CEILING MOUNTED LIGHT | DETECTABLE WARNING SURFACE (DWS) |
| UTILITY POLE / GUY WIRE | GRAVEL PAVING |
| OVERHEAD ELECTRIC | STATION SIGNAGE |
| UNDERGROUND ELECTRIC | LIGHT FIXTURE |
| INLET / MANHOLE | BOLLARD |
| DOWNSPOUT | TRENCH DRAIN |
| STORM SEWER | MANHOLE / HANDHOLE |
| SANITARY SEWER | STORMWATER ENDWALL |
| WATER VALVE / HYDRANT | SIGN |
| WATER LINE | PROPOSED SPOT ELEVATION |
| EXISTING CONTOUR | EXISTING SPOT ELEVATION |
| SIGN | PROPOSED SLOPE |
| TREE / VEGETATION | PROPOSED CONTOUR |

DETAIL GRADING AND LAYOUT PLAN - A

SCALE: 1" = 10'-0"



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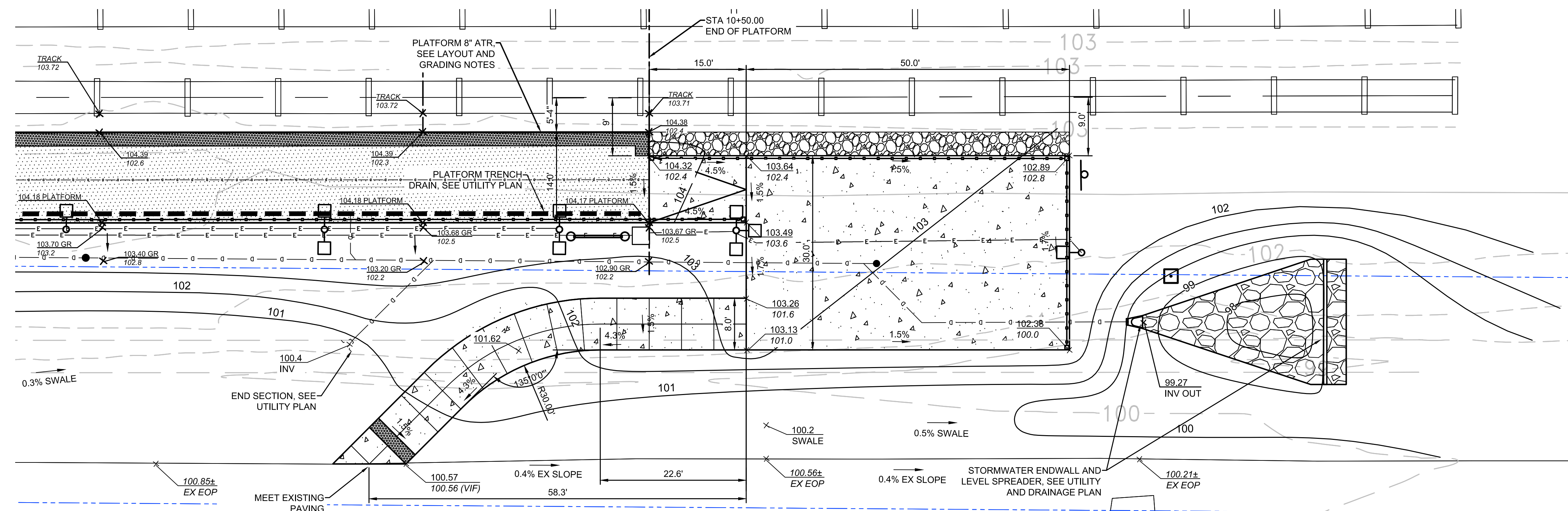
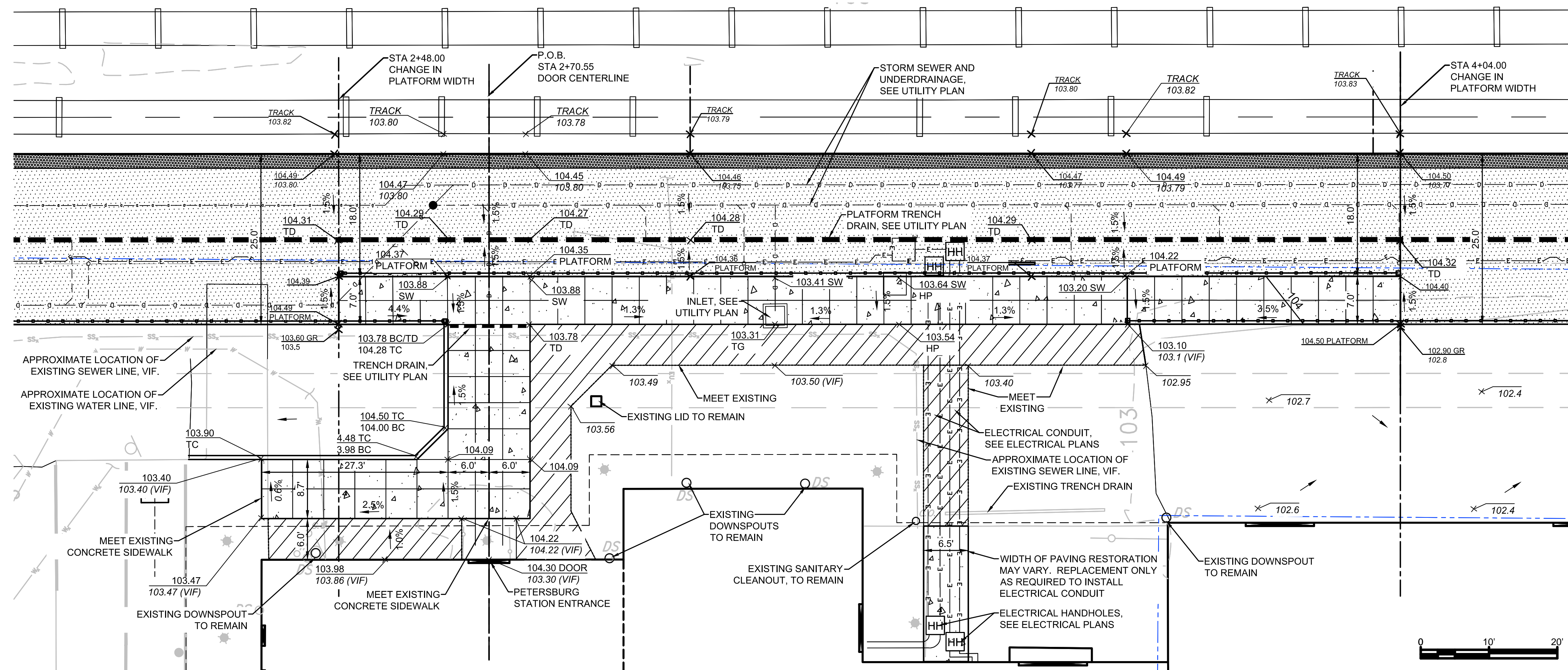


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PETERSBURG (PTB)		VA		Project Code:	PTB_VA
ADA PLATFORM PROGRAM (ADAPP)				WBS:	C.EN.100694.0669
CIVIL DETAIL GRADING AND LAYOUT PLAN				Sheet No.	11 OF 80
Designed:	DM	Drawn:	SS	Checked:	RR
Date:	2021-02-22				

Dwg. No. **C-113**



LAYOUT NOTE:
EDGE OF PLATFORM MUST BE A CONSISTENT 5'-4"
FROM THE CENTERLINE OF THE TRACK ON THE
WEST SIDE OF THE PLATFORM. CONTRACTOR MUST
NOTIFY OWNER/ENGINEER IMMEDIATELY IF
ACCEPTABLE GRADES CANNOT BE MAINTAINED.

GRADING NOTE:
EDGE OF PLATFORM MUST BE A CONSISTENT 8" ABOVE TOP OF RAIL ON THE WEST SIDE OF THE PLATFORM. CONTRACTOR SHALL SURVEY TOP OF RAILS ADJACENT TO PLATFORM AT COMMENCEMENT OF THE PROJECT AND NOTIFY OWNER/ENGINEER OF DISCREPANCIES BETWEEN THE TOPOGRAPHIC SURVEY AND ACTUAL SITE CONDITIONS. ANY CHANGE TO THE SPOT ELEVATION AT TOP OF RAIL/EDGE OF PLATFORM WILL AFFECT SPOT ELEVATIONS ACROSS THE PLATFORM.

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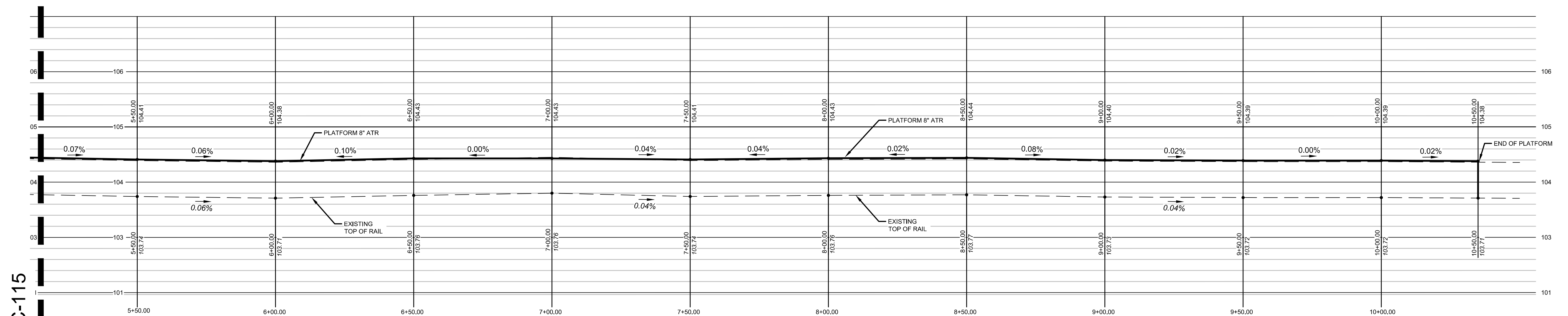
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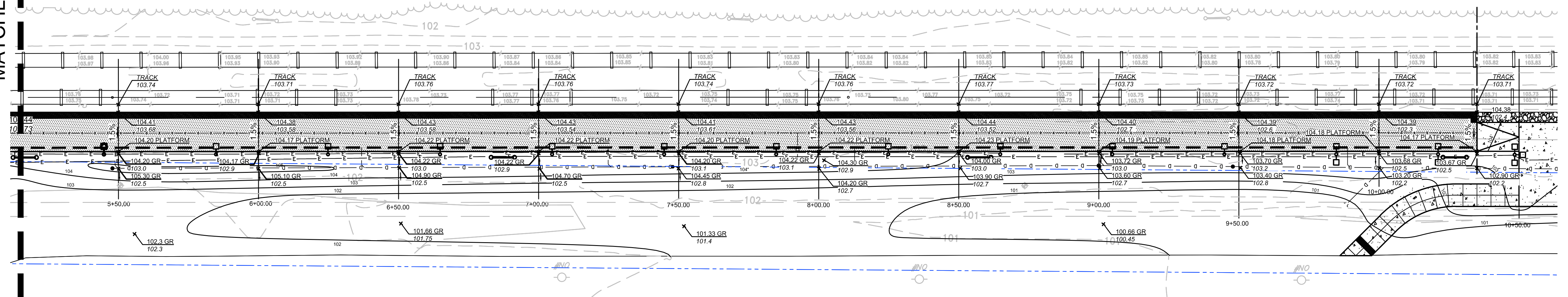
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Project Code:	PTB, VA
WBS:	C.EN.100694.0669
Sheet No.	12 OF 80
Dwg. No.	C-114



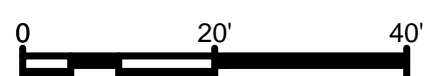
PLATFORM PROFILE - WEST FACE OF PLATFORM

HORIZONTAL SCALE: 1" = 20'-0" VERTICAL SCALE: 1" = 1'-0"



PLATFORM GRADING PLAN - SOUTH

SCALE: 1" = 20'-0"



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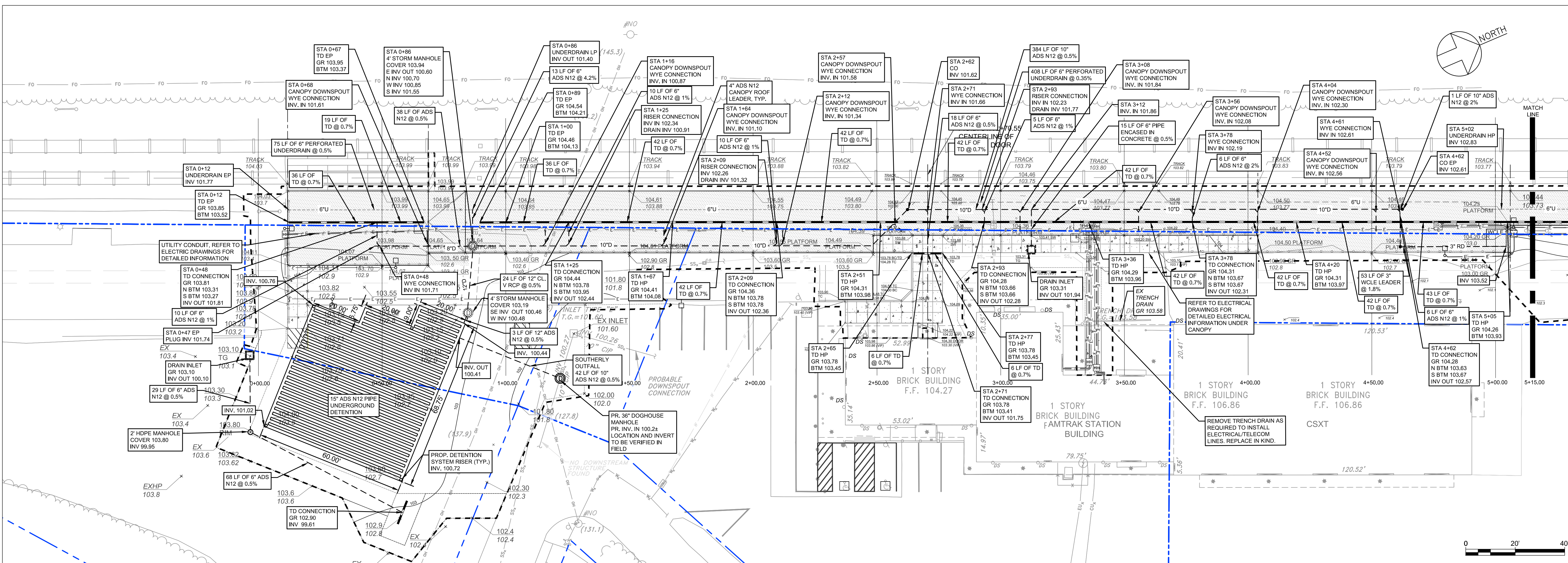


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<div>PETERSBURG (PTB) ADA PLATFORM PROGRAM (ADAPP) CIVIL PLATFORM GRADING PLAN AND PROFILE - NORTH</div>					VA		Project Code: PTB_VA	
							WBS: C.EN.100694.0669	
							Sheet No. 14 OF 80	
					Designed: DM		Drawn: DM	

Dwg. No.	C-116



CIVIL DRAINAGE AND UTILITY PLAN SOUTH

SCALE: 1" = 20'-0"

NOTES

- SITE IS UNDER CHESTERFIELD COUNTY JURISDICTION AND DESIGN STANDARDS
- PROPOSED DISTURBANCE IS 64,679 SF (1.48 ACRES)
- SITE IS IN THE CHESAPEAKE BAY CONSERVATION AREA, DESIGNATED AS A RESOURCE MANAGEMENT AREA (RMA) DISTURBANCE REQUIREMENTS ARE AS FOLLOWS:
 - ANY DISTURBANCE OVER 2,500 SF REQUIRES A MINOR SITE PLAN
 - DISTURBANCE GREATER THAN 2,500 SF BUT LESS THAN 10,000 SF REQUIRES A MINOR SITE PLAN
 - DISTURBANCE OVER 10,000 SF REQUIRES A REGULAR SITE PLAN
- A PRE-APPLICATION MEETING IS RECOMMENDED BY THE COUNTY ENGINEER TO GO OVER EVERYTHING THAT NEEDS TO BE ADDRESSED, POSSIBLE DESIGN ISSUES, AND OTHER DEPARTMENTS INPUT
- STORM WATER CREDITS CAN BE PURCHASED FROM A WATER QUALITY BANK TO ALLOW RUN-OFF TO LEAVE THE SITE UNTREATED IN LIEU OF A WATER QUALITY TREATMENT STRUCTURE. COST TO BE DETERMINED UPON FINAL DESIGN.
- CANOPY DOWNSPOUT LEADERS TO BE 1% MINIMUM SLOPE CONNECTING TO THE DRAINAGE MAIN.
- FRAMES, COVERS AND GRATES SHALL BE PLACED TRUE TO LINE AND GRADE. COVERS, GRATES AND FRAMES SHALL MAKE FIRM, FULL AND EVEN BEARING ON THEIR RESPECTIVE UNDERLYING SURFACES AND SHALL BE NON-ROCKING UNDER THE INFLUENCE OF TRAFFIC OR OTHER LOADS.
- CONTRACTOR TO PROVIDE CHESTERFIELD COUNTY SWM/BMP CERTIFICATION FORM WITH AS-BUILTS, PHOTOGRAPHS, AND SOIL TEST REPORTS OF THE SUBGRADE MATERIAL.

STORMWATER DESIGN NOTES

- STORM WATER REQUIREMENTS WERE FOLLOWED BY THE STORMWATER CODE OF VIRGINIA
- HYDROLOGIC AND HYDRAULIC ANALYSIS WAS COMPLETED WITH HYDRAFLOW 2019 SOFTWARE USING THE SCS PEAK DISCHARGE METHOD.
- THE NORTHERLY PORTION OF THE PLATFORM FROM STA. 5+05 TO STA 11+00 WAS ANALYZED FOR THE ENTIRE WATERSHED, BOTH THE CURRENT PROPOSED AND FUTURE PLATFORMS WERE INCLUDED IN THE ANALYSES ABOVE. THE TRIBUTARY AREA WAS REDUCED TO ACCOUNT FOR THE INCREASE IN IMPERVIOUS AREA.
- TOTAL RUN-OFF FLOWING NORTH WILL NOT INCREASE. THE PLAN IS TO TAKE A PORTION OF DRAINAGE SOUTH, DETAIN THE DIFFERENCE TO MATCH EXISTING CONDITIONS.
- THE SOUTHERLY PORTION OF THE PLATFORM FROM STA 0+12 TO STA 5+05 WAS ANALYZED INCLUSIVE OF CURRENT PROPOSED AND FUTURE PLATFORMS. THE ENTIRE WATERSHED WAS NOT ANALYZED BECAUSE EXISTING DRAINAGE PATTERNS WILL BE MAINTAINED FOR PORTIONS OF THE WATERSHED.
- THE CONTRACTOR SHALL FIELD VERIFY THE DEPTH AND LOCATION OF THE EXISTING SANITARY SEWER AND WATER LINES.
- EXISTING SANITARY AND PROPOSED STORM SEWER SHALL BE SEPARATED BY A MINIMUM DISTANCE OF 10FT HORIZONTALLY OR 18-INCHES VERTICALLY AS PER 12VAC5-590-1150 OF THE VA ADMINISTRATIVE CODE. IF SUCH SEPARATION DISTANCES CANNOT BE ACHIEVED, THE CONTRACTOR SHALL PROVIDE THE PROVISIONS AS SET FORTH IN 12VAC5-590-1150.

LEGEND

EXISTING	PROPOSED
LIGHT POLE	PROPOSED CONCRETE PLATFORM
CEILING MOUNTED LIGHT	DRAINAGE STRUCTURE (OS/CB) DIA. PER PLAN
RECTANGULAR CEILING MOUNTED LIGHT	DRAINAGE INLET
UTILITY POLE	TRENCH DRAIN
GUY	LIMITS OF DISTURBANCE
GUY ON CONC. BASE	#D RD --- ROOF DRAIN AND SIZE (INCHES)
SIGN	--- #D --- STORM SEWER AND SIZE (INCHES)
HANDICAP SIGN	--- #U --- UNDERDRAIN AND SIZE (INCHES)
DEPRESSED CURB	STORM SEWER CLEANOUT
HYDRANT	ELECTRIC HAND HOLES
CLEANOUT	ELECTRIC SERVICE, DATA, AND TELECOM CONDUIT
MANHOLE	EDGE OF CANOPY
COLUMN	PROPOSED SPOT ELEVATION EXISTING SPOT ELEVATION
TRASH CAN	TRACK
SPEAKER	GROUND SLOPE
TREE	CONTOUR
PROPERTY LINE	VERIFY IN FIELD
RAILROAD RIGHT-OF-WAY LINE	TRENCH DRAIN
EXISTING CONTOUR	HP
	END POINT
	OUTLET STRUCTURE
	CATCH BASIN
	TRENCH DRAIN GRATE
	BOTTOM OF TRENCH DRAIN
	CLEANOUT
	DOWNSPOUT

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Office of Chief Engineer

National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104

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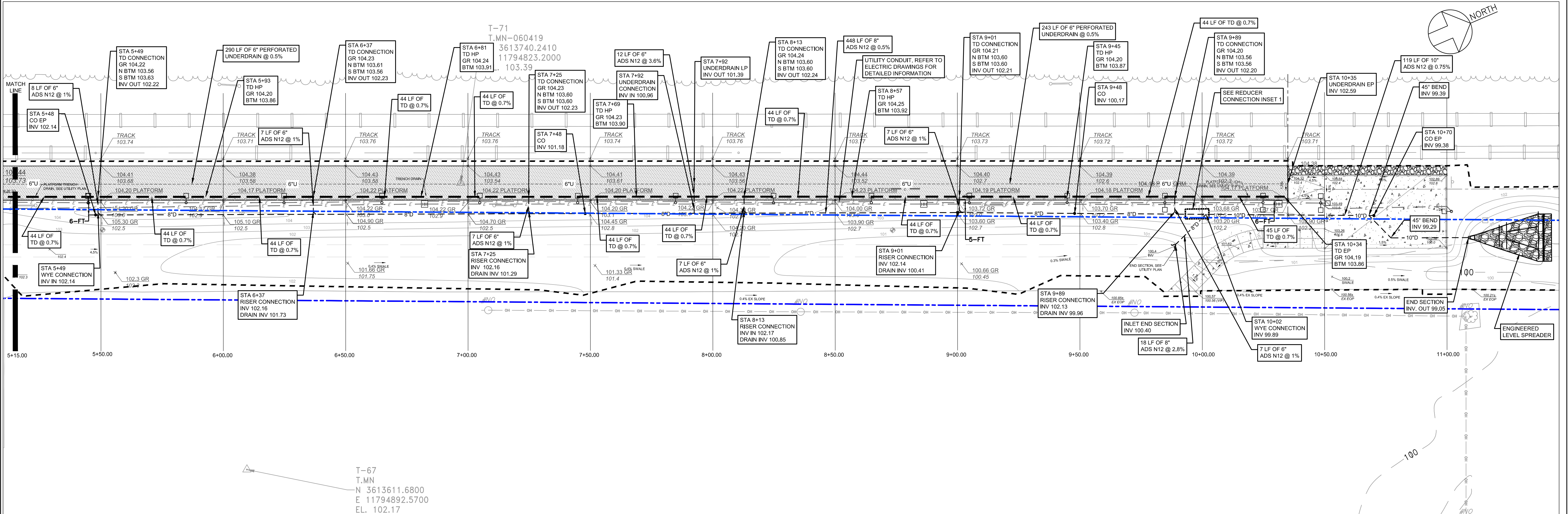
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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
CIVIL DRAINAGE AND UTILITY PLAN SOUTH

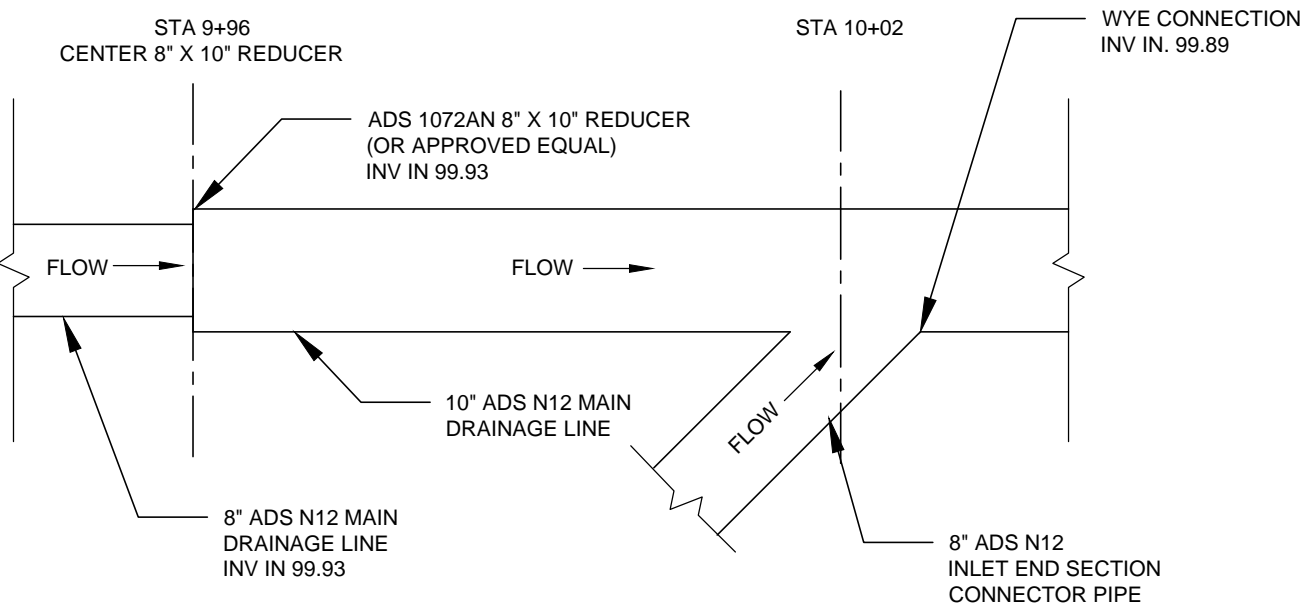
Designed: DM Drawn: CM Checked: RR Date: 2021-02-22

Project Code:	PTB_VA
WBS:	C.EN.100694.0669
Sheet No.	15 OF 80
Dwg. No.	C-120



CIVIL DRAINAGE AND UTILITY PLAN NORTH


SCALE: 1" = 20'=0"



STATION 9+96 REDUCER INSET 1
N.T.S.

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Date



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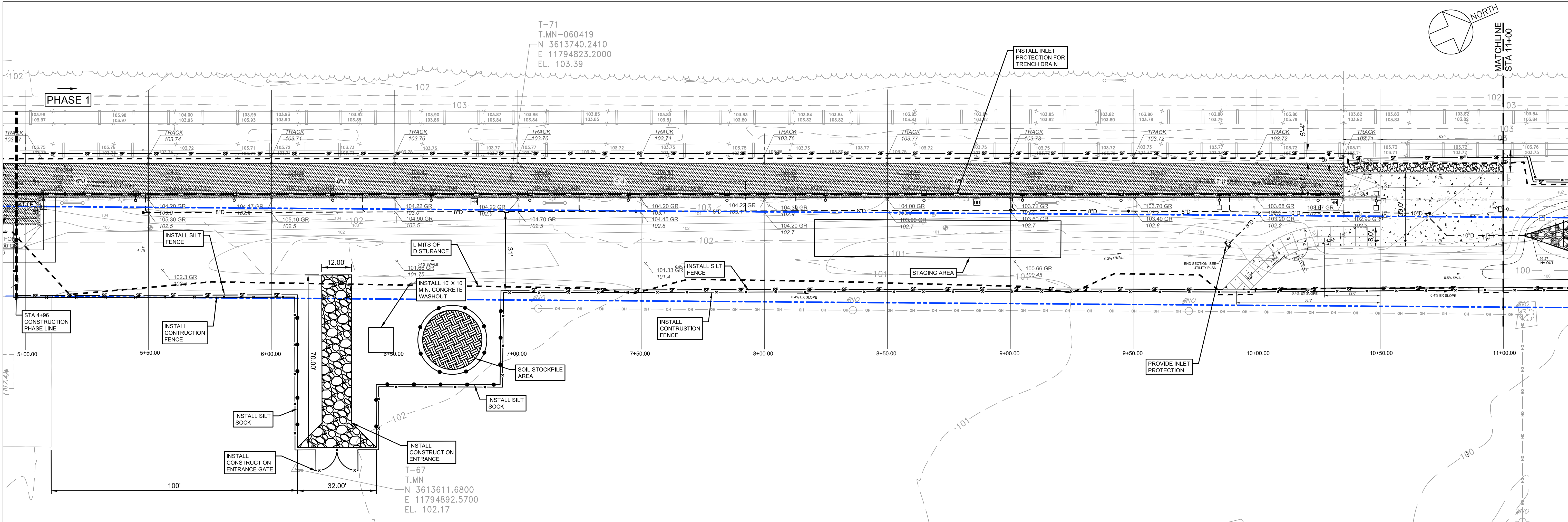
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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
CIVIL DRAINAGE AND UTILITY PLAN NORTH

Designed: DM Drawn: CM Checked: RR Date: 2021-02-22

VA

Project Code: PTB_VA
WBS: C.EN.100694.0669
Sheet No. 16 OF 80
Dwg. No. C-121

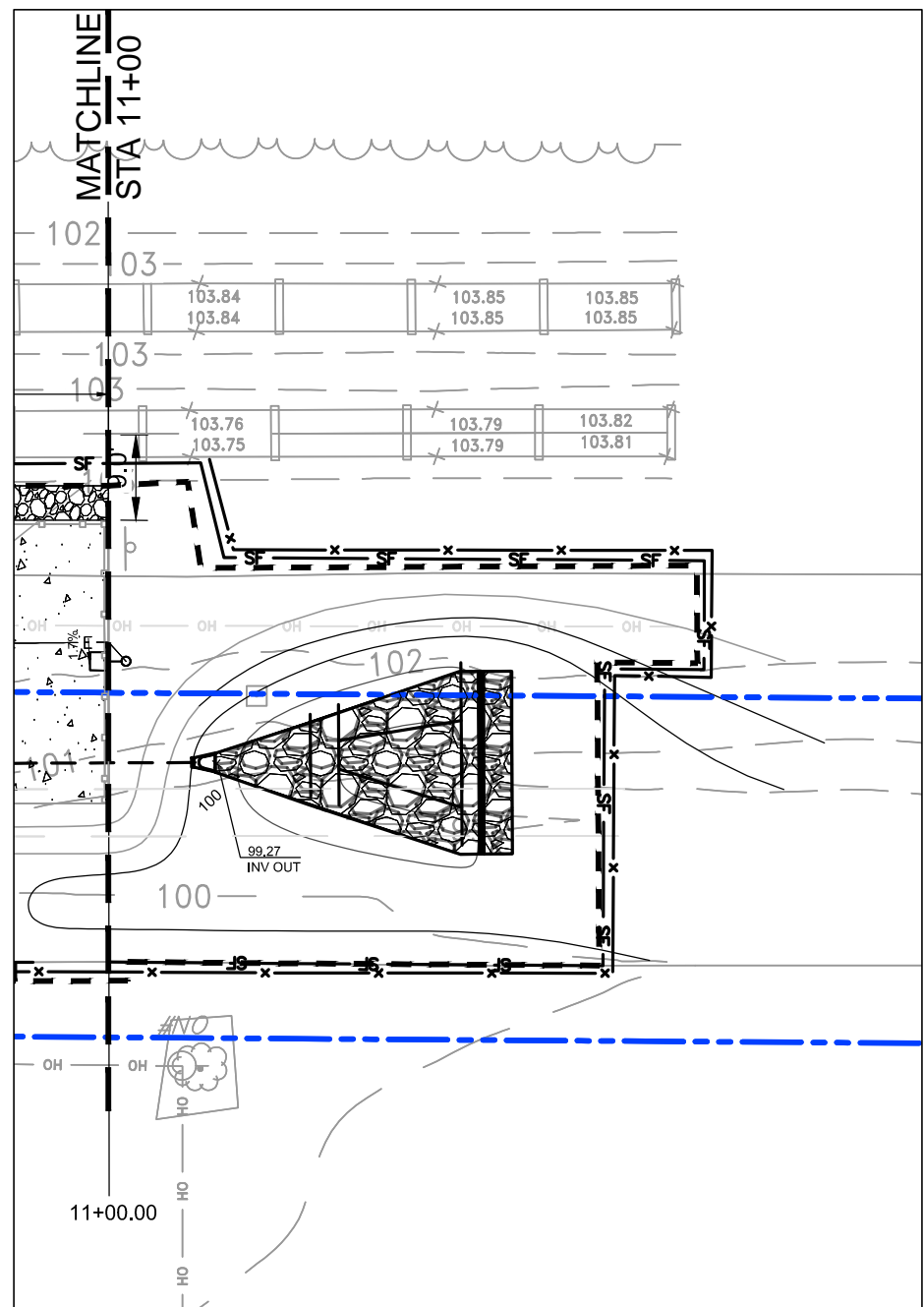


CIVIL EROSION AND SEDIMENT CONTROL PLAN - PHASE 1

SCALE: 1" = 20'-0"

EROSION AND SEDIMENT CONTROL NOTES

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
- THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO FINAL INSPECTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUN-OFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- THE CONTRACTOR IS TO PROVIDE EROSION CONTROL MEASURES AS REQUIRED TO PROTECT NEWLY INSTALLED IMPROVEMENTS INCLUDING BUT NOT LIMITED TO INLET PROTECTION ON NEW DRAIN INLETS AND TRENCH DRAINS.
- THE CONTRACTOR IS TO DE-SILT AND REMOVE SEDIMENT FROM STORM WATER SYSTEM PRIOR TO TURNING OVER TO OWNER.



CIVIL EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 20'-0"

EXISTING		PROPOSED	
	LIGHT POLE		SILT FENCE
	CEILING MOUNTED LIGHT		SILT SOCK
	RECTANGULAR CEILING MOUNTED LIGHT		LIMITS OF DISTURBANCE
	UTILITY POLE		CONSTRUCTION FENCE
	GUY		INLET PROTECTION FILTER
	GUY ON CONC. BASE		CONSTRUCTION ENTRANCE
	HANDICAP SIGN		SOIL STOCKPILE LOCATION
	DEPRESSED CURB		PROPOSED SPOT ELEVATION
	HYDRANT		EXISTING TRACK ELEVATION
	CLEANOUT		GROUND SLOPE
	MANHOLE		CONTOUR
	SPEAKER TREE		ELECTRICAL HAND HOLE
	PROPERTY LINE		
	RAILROAD RIGHT-OF-WAY LINE		
	EXISTING CONTOUR		
	EXISTING TELECOMMUNICATIONS		

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30th Street Station, Philadelphia, Pennsylvania 19104

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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)

CIVIL EROSION AND SEDIMENT CONTROL PLAN PHASE 1

Designed: DM Drawn: CM Checked: RR Date: 2021-02-22

VA

Project Code:	PTB, VA
WBS:	C.EN.100694.0669
Sheet No.	17 OF 80
Dwg. No.	C-122




SCALE: 1" = 20'-0"

0 20' 40'

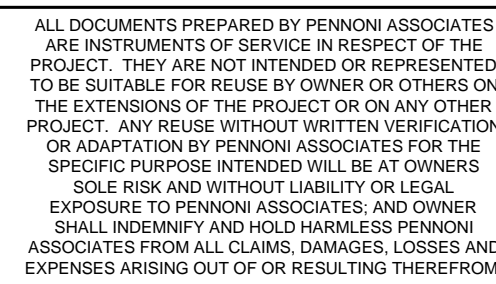
CONSTRUCTION ENTRANCE

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
2. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO FINAL INSPECTION.
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6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
7. ALL DISTURBED AREAS HAVE TO BE OPEN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
8. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUN-OFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
10. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL MEASURES AS REQUIRED TO PROTECT NEWLY INSTALLED IMPROVEMENTS INCLUDING BUT NOT LIMITED TO INLET PROTECTION ON NEW DRAIN INLETS AND TRENCH DRAINS.
11. THE CONTRACTOR IS TO DE-SILT AND REMOVE SEDIMENT FROM STORM WATER SYSTEM PRIOR TO TURNING OVER TO OWNER.



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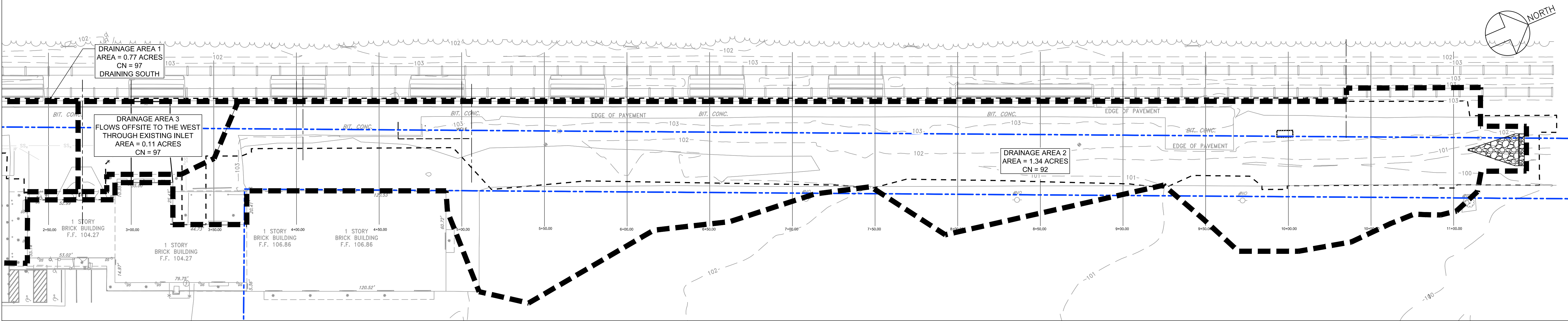
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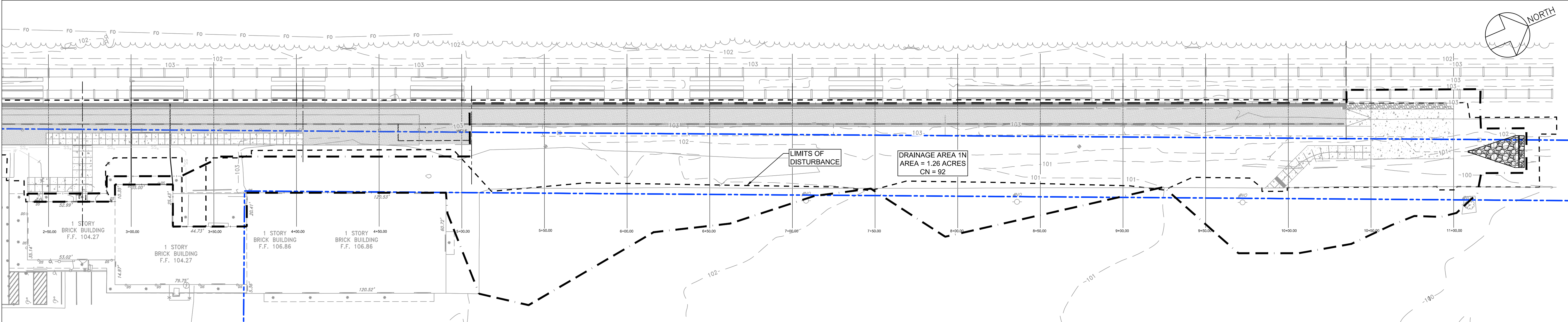
Designed: DM	Drawn: CM	Checked: RR	Date: 2021-02-22
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VA	Project Code:	PTB, VA
	WBS:	C.EN.100694.0669
	Sheet No.	18 OF 80
E 2	Dwg. No.	C-123
02-22		

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CIVIL PRE-DEVELOPMENT DRAINAGE AREA MAP - NORTH



CIVIL POST-DEVELOPMENT DRAINAGE AREA MAP - NORTH



LEGEND

- EXISTING DRAINAGE AREAS
- LIMITS OF DISTURBANCE
- PROPOSED DRAINAGE AREA NORTH

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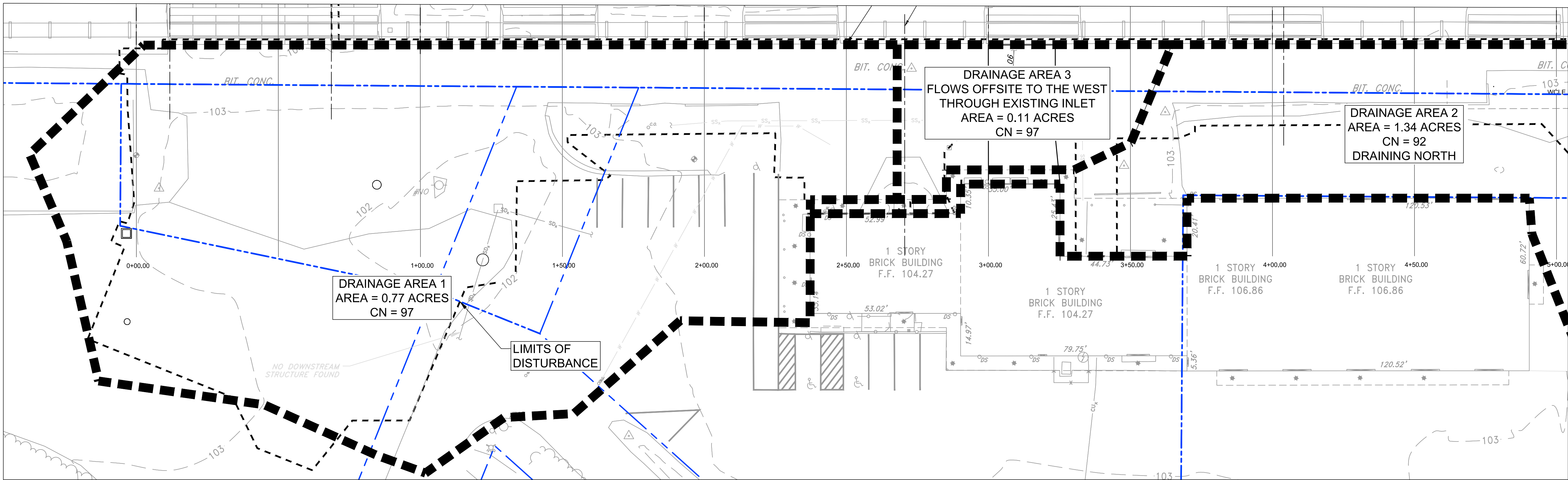
PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)
CIVIL PRE AND POST DRAINAGE AREA MAP - NORTH

Designed: DM
Drawn: CM
Checked: RR
Date: 2021-02-22

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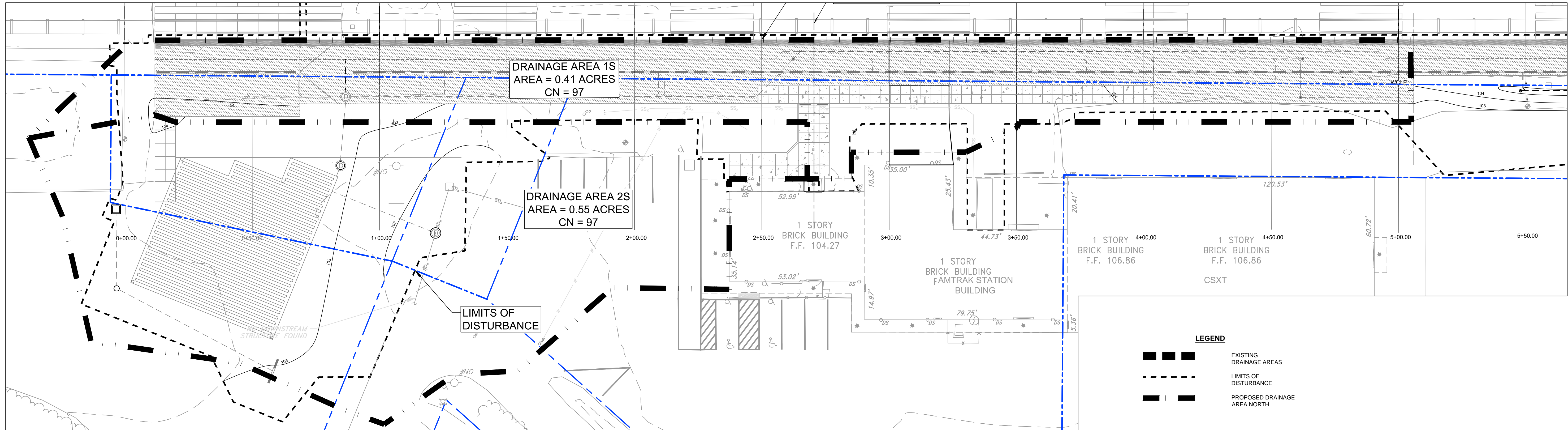
VA

Project Code: PTB_VA
WBS: C.EN.100694.0669
Sheet No. 19 OF 80
Dwg. No. C-124



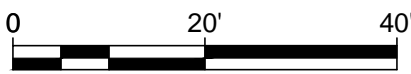
CIVIL PRE-DEVELOPMENT DRAINAGE AREA MAP - SOUTH

SCALE: 1" = 20'=0"



CIVIL POST-DEVELOPMENT DRAINAGE AREA MAP - SOUTH

SCALE: 1" = 20'=0"



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PETERSBURG (PTB)
ADA PLATFORM
PROGRAM (ADAPP)

CIVIL PRE AND POST DRAINAGE AREA MAP - SOUTH

Designed: DM Drawn: CM Checked: RR Date: 2021-02-22

VA

Project Code:	PTB, VA
WBS:	C.EN.100694.0669
Sheet No.	20 OF 80
Dwg. No.	C-125