CITY OF CHARLES TOWN
HISTORIC LANDMARKS COMMISSION
AGENDA • APRIL 10, 2023

Committee Meeting **CITY HALL** **7:00 PM**
101 E Washington Street, Charles Town, WV 25414

1. CALL TO ORDER

2. APPROVAL OF MINUTES

: **2023-356:** HLC Meeting Minutes - March 13, 2023
HLC March 13th meeting.docx

3. UNFINISHED BUSINESS

4. NEW BUSINESS

: George Street Improvements
1. Staff report.pdf
2. South Charles Town NRHP Boundry Map.pdf
3. South George Street Sidewalks Plans.pdf

5. ADJOURNMENT

6. NOTICE: The Public May View the Meeting Live by Clicking on the Event Link at:

https://www.charlestownwv.us/government/agendas-and-minutes/

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 04/10/23
Department: Historic Landmarks Commission
Category: Information Only
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

2023-356: HLC Meeting Minutes - March 13, 2023

ATTACHMENTS:

- HLC March 13th meeting.docx

CITY OF CHARLES TOWN

CITY COUNCIL

MINUTES • March 13, 2023

Regular Meeting **Council Chambers** **7:00 PM**

101 East Washington Street, Charles Town, WV 25414

1. CALL TO ORDER

Present: Amanda Updike
Nick Zaglifa
Diane Drake
James Newman

Absent: Pam Hird
Jeff Whitten

2. APPROVAL OF MINUTES

HLC Meeting Minutes - February 13, 2023

February 13, 2023, minutes approved by unanimous consent.

3. UNFINISHED BUSINESS

4. NEW BUSINESS

COA2023-02- 515 E. Washington St. - Solar Panels

Diane Drake moved to approve COA 2023--02 515 E. Washington Street Solar Panel. Amanda Updike seconded the motion, and it was approved unanimously.

RESULT:	**APPROVED**
MOVER:	Diane Drake
SECONDER:	Amanda Updike
AYES:	Amanda Updike, Nick Zaglifa, Diane Drake

COA-2023-03 - 116 W. Washington St. - Sign

Amanda Updike moved to approve COA 2023-03 for 116 W. Washington Street sign. Diane Drake seconded the motion, and it passed unanimously.

RESULT:	**APPROVED**
MOVER:	Amanda Updike
SECONDER:	Diane Drake
AYES:	Amanda Updike, Nick Zaglifa, Diane Drake

5. ADJOURNMENT

Diane Drake moved to adjourn the meeting. Amanda Updike seconded the motion,and it passed unanimously.

RESULT:	**APPROVED**
MOVER:	Diane Drake
SECONDER:	Amanda Updike
AYES:	Amanda Updike, Nick Zaglifa, Diane Drake

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 04/10/23
Department: Historic Landmarks Commission
Category: Report
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

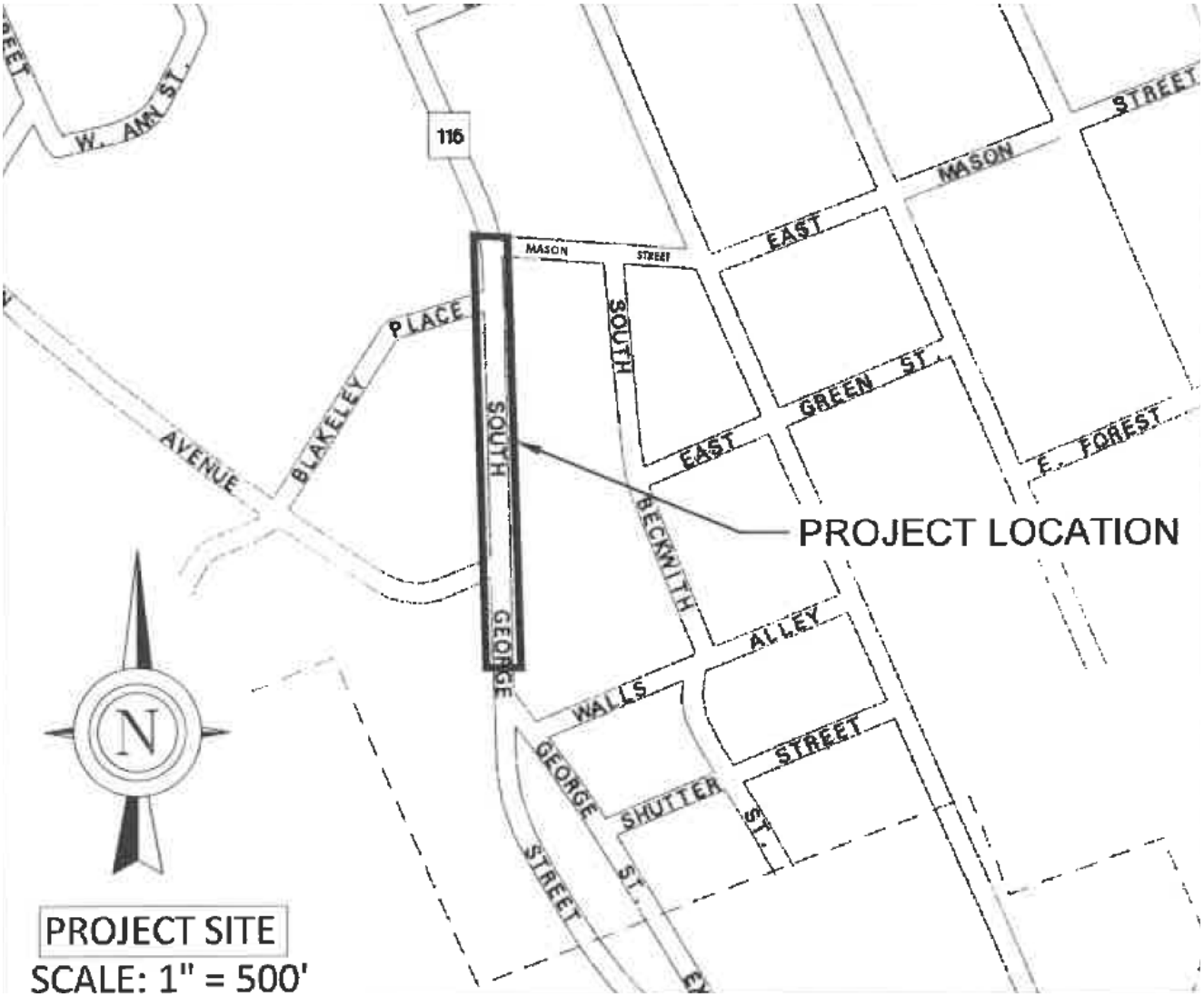
George Street Improvements

ATTACHMENTS:

- 1. Staff report.pdf
- 2. South Charles Town NRHP Boundry Map.pdf
- 3. South George Street Sidewalks Plans.pdf

Disucssion Item
Roadwork on S. George Street

Date: For the April 10, 2023 Historic Landmarks Commission meeting
Applicant: Karen E. Allen on behalf of the West Virginia Department of Highways
Property Owner: City of Charles Town
Report by: James Newman, City Planner, Zoning/Subdivision Administrator.
Proposal: Construction of a sidewalk
Property Location: S. George Street between Blakeley Place and S. George Street Extension.



HISTORIC SURVEY BUILDING INFORMATION: Area is located within the *South Charles Town Historic District.*

PROPOSAL

The City of Charles Town received a Transportation Alternatives Program grant through the West Virginia Division of Highways (WVDOH) in the amount of $408,983 (80%/federal) for the construction phase of the project. The scope of work involves the construction of 1,016 linear feet of new concrete sidewalk along the northern side of South George Street between Mason Street and South George Street Extension Street (see attached plans).

The eastern terminus of the construction footprint overlaps with the National Register-listed South Charles Historic District in the proximity of the intersection of Mason Street and South George Street (see attached National Register boundary map). As part of the Section 106 process of the National Historic Preservation Act, the WVDOH is soliciting comments in regards to any effects to historic resources.

ADJACENT HISTORIC PROPERTIES

530 South George St. (Burns House). Three-story Chateauesque house. Whitewashed red brick exterior, foundation obscured, asphalt shingle roof. Four front bays with 1/1 double-hung sash. In 1942 the owner remodeled this traditional Victorian mansion to give it its present Norman appearance. The house includes an elevator and gold leaf wallpaper on the interior foyer walls. Circa 1897, and 1942. One **contributing** building

531 South George St. Two and one-half story Colonial Revival house. Ell wing. Brick and slate exterior, stone foundation, asphalt and metal roof. 1/1 double-hung replacement sash. Built in 1894. One **contributing** building

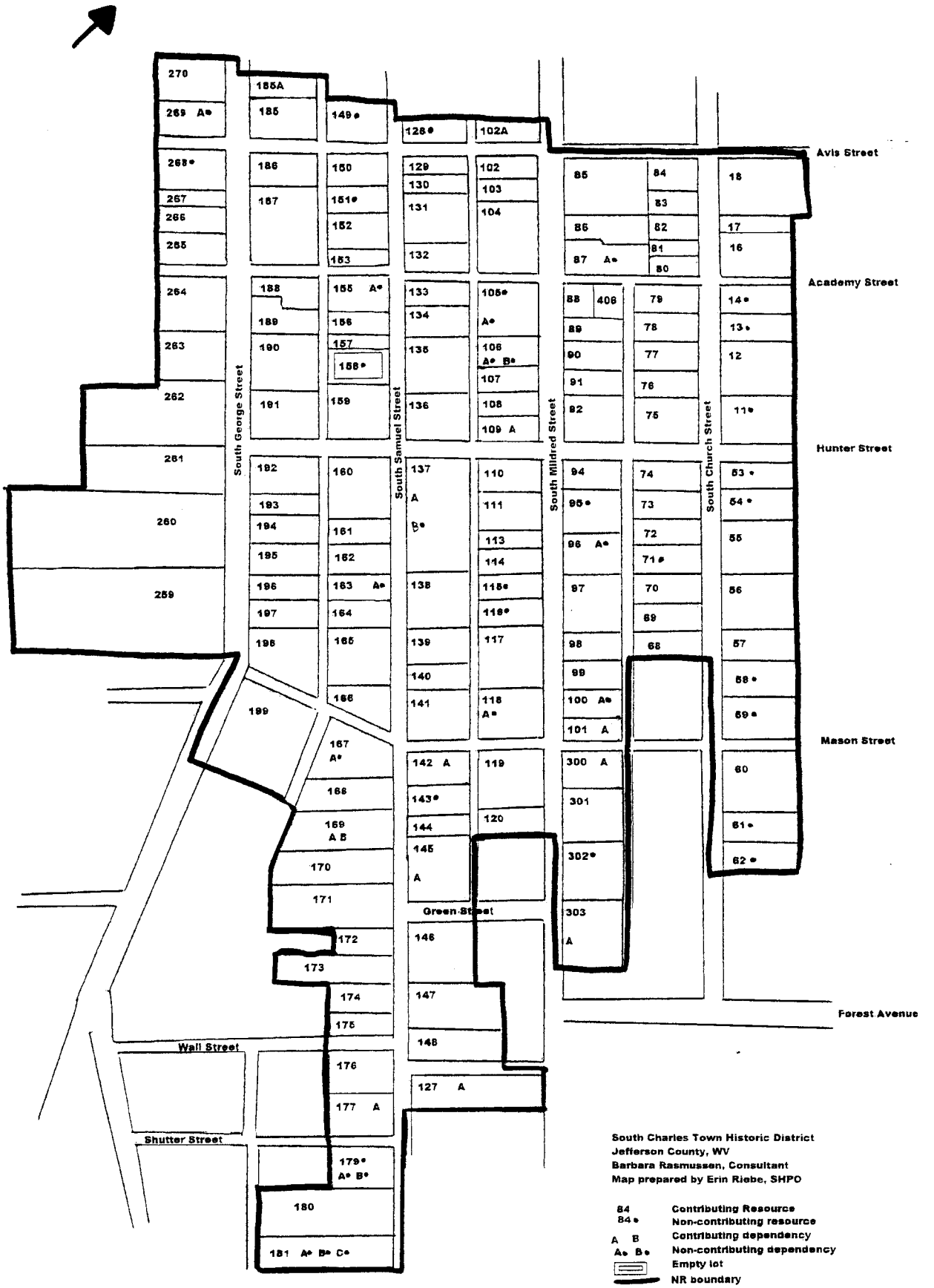
611 South George St. Holly Tree Inn. Two and one half story Colonial Revival house. Brick exterior, stone foundation, asphalt shingle roof. Three front bays, 1/1 double-hung sash. Painted wooden trim. Large rear extension. The house sits back from the street on a spacious and shady lot. Circa 1880. One **contributing** building

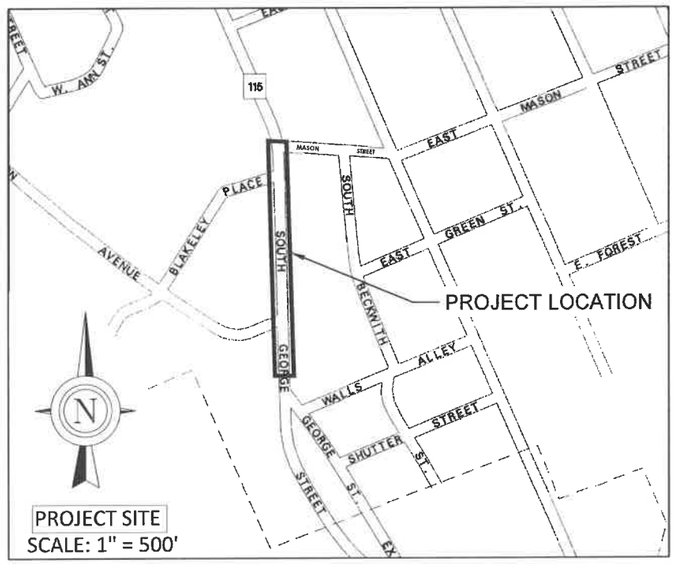
IMPACT TO ADJACENT PROPERTIES

The proposed work is construction of sidewalks, curb, and gutters along the road. All work will take place on/adjacent to George Street, and will not impact the structures.

STAFF RECOMMENDATION

This item is for discussion by the Commission. If the Commission has questions, comments, or concerns, those comments will be taken by staff and provided to the Department of Highways.


Avis Street
Academy Street
Hunter Street
Mason Street
Forest Avenue
Green Street
Wall Street
Shutter Street
South George Street
South Samuel Street
South Mildred Street
South Church Street
South Charles Town Historic District
Jefferson County, WV
Barbara Rasmussen, Consultant
Map prepared by Erin Riebe, SHPO
84 Contributing Resource
84• Non-contributing resource
A B Contributing dependency
A• B• Non-contributing dependency
Empty lot
NR boundary



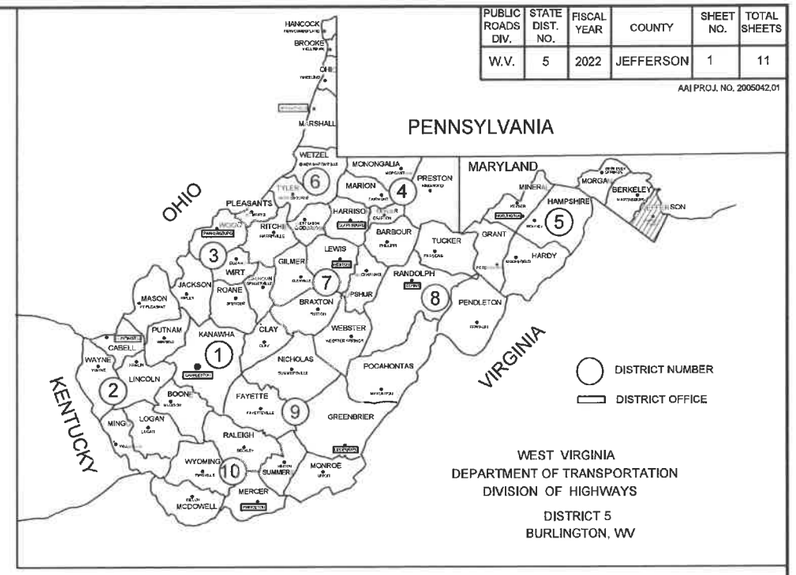
CITY OF CHARLES TOWN
JEFFERSON COUNTY,WV
SOUTH GEORGE STREET
SIDEWALK

PREPARED BY:
ALPHA ASSOCIATES, INCORPORATED
209 PRAIRIE AVENUE
MORGANTOWN, WV 26501
535 WEST KING STREET
MARTINSBURG, WV 25401
ALPHA PROJECT NUMBER - 2005042.01

	STATION		STATION		LF		MILE(S)
ROADWAY	1+78.89	to	11+95.36	=	1016.47	=	0.19
			TOTAL PROJECT LENGTH		1016.47	=	0.19

PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	1	11

AAI PROJ. NO. 2005042.01

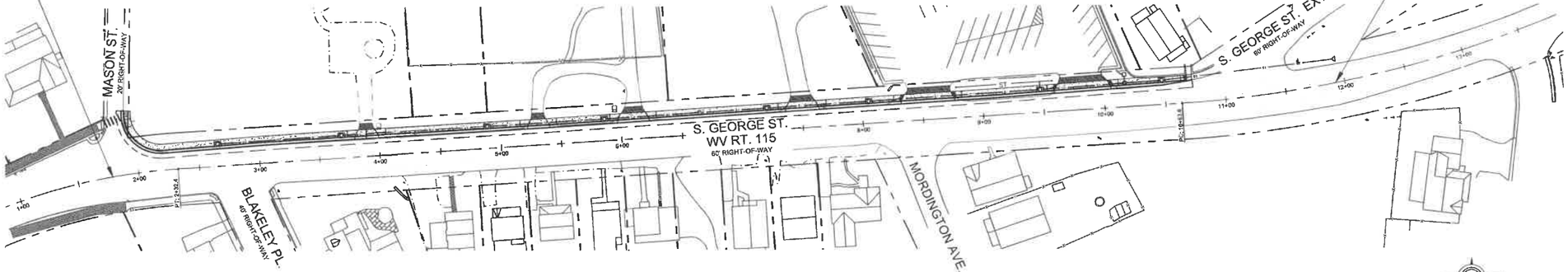


TYPE OF CONSTRUCTION

SIDEWALK, CURB & GUTTER, AND DRAINAGE

BEGIN CONSTRUCTION PROJECT
STA. 1+78.89

END CONSTRUCTION PROJECT
STA. 11+95.36



SCALE: 0 50

UTILITIES

POWER
POTOMAC EDISON
901 WILSON STREET
MARTINSBURG WV 25401
1-(304)-267-3248

WATER/SEWER
CHARLES TOWN UTILITY BOARD
661 S. GEORGE STREET
SUITE 101
CHARLES TOWN, WV 25414

DIGITAL CABLE
302 N. MILDRED STREET
RANSON WV 25438
1-(877)-605-5742

COMCAST CABLE
208 S MILDRED STREET
RANSON WV 25438

TELEPHONE
FRONTIER COMMUNICATIONS
1-(304)- 271-8645

CONVENTIONAL SIGNS

- EXISTING R/W LINE
- PROPERTY LINE
- EXISTING FENCE
- G — GAS LINE
- W — WATER LINE
- T — TELEPHONE LINE
- E — ELECTRIC LINE
- TELEPHONE POLE
- POWER POLE
- COMBINED POWER AND TELEPHONE POLE
- TREE
- SHRUB
- RIGHT OF WAY MARKER

INDEX TO SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	QUANTITY TABLES
6-7	MAINTENANCE OF TRAFFIC
8	EXISTING CONDITIONS PLAN
9	SITE PLAN
10-11	DETAILS

SIGNED: _____
RESPONSIBLE CHARGE ENGINEER

DATE: _____

ALPHA ASSOCIATES, INC.
209 PRAIRIE AVENUE
MORGANTOWN, WV 26501
PHONE/FAX: 304-296-8216
TOLL FREE: 800-640-8216
www.thinkALPHAfirst.com

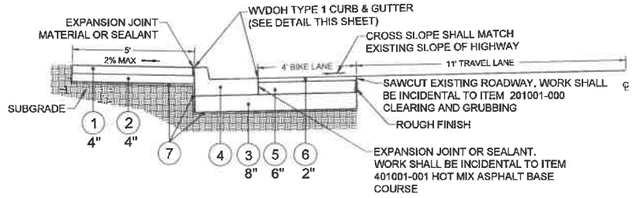
REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
TITLE SHEET

SUBMITTED: 6/23/2022 2:18 PM FILE: Z:\Projects\2020_Jobs\2005042011\Drawings\CivilCurrent\Construction1.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	2	11

AAI PROJ. NO. 2005042.01

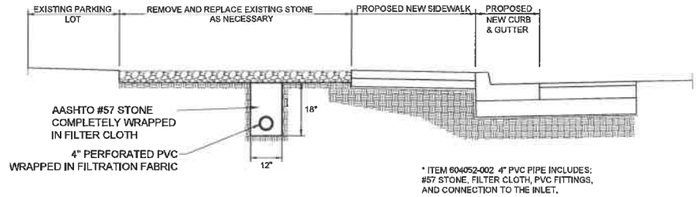


LEGEND

1	ITEM 609001-001	CONCRETE SIDEWALK, SY
2	ITEM 609002-001	BED COURSE MATERIAL, CY
3	ITEM 307001-000	AGGREGATE BASE COURSE, CLASS I, CY
4	ITEM 610003-001	CONCRETE CURB & GUTTER, TYPE I, LF
5	ITEM 401001-023	MARSHALL ASPHALT BASE CRSE, SG, TY II, TON
6	ITEM 401002-035	MARSHALL ASPHALT WEAR CRSE, SG, TY IV, TON
7	ITEM 207034-000	FABRIC FOR SEPARATION

SOUTH GEORGE STREET TYPICAL CURB AND SIDEWALK DETAIL

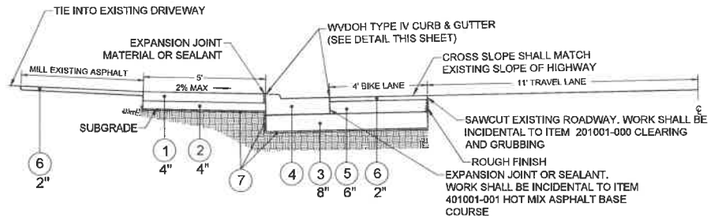
SCALE: 1" = 3'



* ITEM 604052-002 4" PVC PIPE INCLUDES: #57 STONE, FILTER CLOTH, PVC FITTINGS, AND CONNECTION TO THE INLET.

SOUTH GEORGE STREET TYPICAL STONE ISLAND DETAIL

SCALE: 1" = 3'



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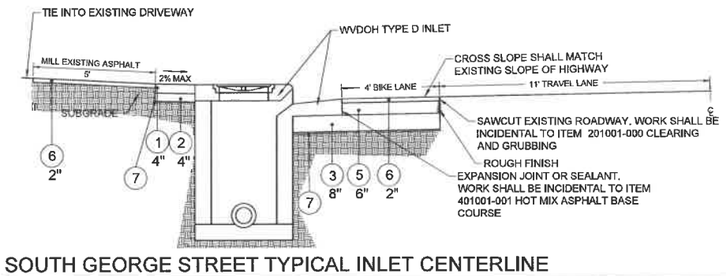
6	ITEM 401002-035	MARSHALL ASPHALT WEAR CRSE, SG, TY IV,TON
7	ITEM 207034-000	FABRIC FOR SEPARATION

SOUTH GEORGE STREET TYPICAL DRIVEWAY CENTERLINE

SCALE: 1" = 3'



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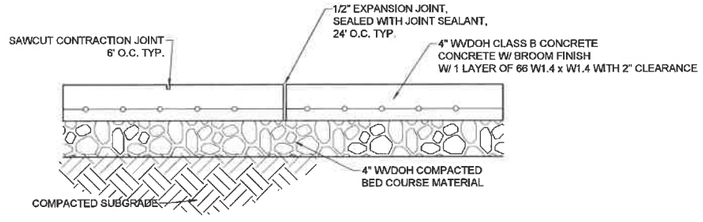
7	ITEM 207034-000	FABRIC FOR SEPARATION

SOUTH GEORGE STREET TYPICAL INLET CENTERLINE

SCALE: 1" = 3'



SOUTH GEORGE STREET TYPICAL SIDEWALK

NOT TO SCALE

ALPHA ASSOCIATES, INC.
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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
TYPICAL SECTIONS

SUBMITTED: 6/23/2022 2:18 PM FILE: Z:\Projects\2020_Jobs\2005042\01\Drawings\Civil\Current\Construction\2.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	3	11

AAI PROJ. NO. 2005042.01

SITE CONSTRUCTION NOTES:

1. ALL EXISTING FEATURES ON THESE DRAWINGS ARE SHOWN WITH FADED OR COLORED LINEWORK.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING AN EFFECTIVE EROSION AND SEDIMENT CONTROL PLAN.
3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO PERFORMING ANY SIGNIFICANT EARTH DISTURBING ACTIVITIES.
4. EARTHWORK SHALL BE COMPACTED THE PERCENTAGES OF MAXIMUM DRY DENSITY (ACCORDING TO AASHTO 1980) AS SHOWN BELOW:

ROADWAYS	98%
BUILDING PADS	100%
PARKING LOTS FOR PASSENGER VEHICLES	98%
PARKING LOTS FOR HEAVY TRUCKS	98%
UTILITY TRENCHES	98%

5. CHANGES OR REVISIONS IN CONSTRUCTION PLANS AND SPECIFICATIONS SHALL NOT BE MADE UNLESS FIRST APPROVED BY THE ENGINEER AND OTHER APPROPRIATE SERVICES.
6. CONTRACTOR TO NOTIFY MISS UTILITY (WV811.COM, DIAL 811, OR 1-800-245-4848) 72 HOURS PRIOR TO ANY EXCAVATION.
7. UNDERGROUND UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. THE EXACT LOCATIONS, DEPTH, AND SIZE OF ALL EXISTING UTILITIES IN THE PROJECT AREA SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR WITH A REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON THIS PROJECT.
8. REFERENCE POINTS AND BENCH MARKS
   THE CONTRACTOR SHALL HOLD ALL REFERENCE POINTS AND BENCHMARKS THROUGHOUT THE LIFE OF THE PROJECT. IN THE EVENT THAT THEY OR THE MONUMENTS USED TO LOCATE THEM ARE DISTURBED DUE TO THE PLANNED CONSTRUCTION OR UNPLANNED DISTURBANCE, THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, SHALL RELOCATE OR REESTABLISH THE REFERENCE POINT AND/OR BENCHMARK. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH ALL INFORMATION NECESSARY TO LOCATE REESTABLISHED REFERENCE POINTS AND BENCH MARKS SUFFICIENT FOR THE OWNER TO INCLUDE SUCH IN SUBSEQUENT CONSTRUCTION PACKAGES. NO ADDITIONAL PAYMENT OR COMPENSATION WILL BE MADE FOR THIS WORK.
9. VERIFICATION OF DIMENSIONS
   THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL PLAN AND ELEVATION DIMENSIONS PRIOR TO ORDERING MATERIALS FOR THE CONSTRUCTION OF THE VARIOUS BID ITEMS ON THIS PROJECT.
10. MATERIAL SPECIFICATIONS
    REFERENCES IN THE SPECIFICATIONS AND DRAWINGS TO EQUIPMENT, MATERIALS, ARTICLES, OR PATENTED PROCESSES BY TRADE NAME, MAKE, OR CATALOG NUMBER, SHALL BE REGARDED AS ESTABLISHING A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. THE ENGINEER MAY, AT HIS OPTION, USE ANY EQUIPMENT, MATERIAL, ARTICLE, OR PROCESS THAT, IN THE OPINION OF THE ENGINEER, IS EQUAL TO THAT NAMED IN THE SPECIFICATIONS AND DRAWINGS, UNLESS OTHERWISE SPECIFICALLY PROVIDED IN THIS CONTRACT.
11. CONTRACTOR SHALL ADJUST THE TOP ELEVATION OF ALL INLETS, MANHOLES, VALVE BOXES, METER BOXES OR OTHER STRUCTURES AFFECTED BY THIS PROJECT AS NECESSARY TO MEET THE EXISTING OR PROPOSED STREET OR SIDEWALK ELEVATION, WHICHEVER IS APPLICABLE. TOPS OF INLETS AND MANHOLES SHALL BE ADJUSTED UTILIZING BRICK & MORTAR OR GRADE ADJUSTMENT RINGS. TOPS SHALL MATCH THE SLOPE OF THE SIDEWALK IN ALL DIRECTIONS.
12. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS, ROADS AND BRIDGES - 2017 EDITION AND THE CITY OF CHARLES TOWN STANDARDS AND SPECIFICATIONS.
13. ALL SIGNS THAT ARE IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED AND INSTALLED PER THE SPECIFICATIONS.

SEQUENCE OF CONSTRUCTION:

1. VIDEOTAPE EXISTING CONDITIONS OF PROJECT AREA FOR REVIEW AND APPROVAL BY THE CITY.
2. NOTIFY CITY UTILITIES DEPARTMENT AND ENGINEER THAT THE PROJECT IS COMMENCING.
3. NOTIFY WV DIVISION OF HIGHWAYS 10 DAYS IN ADVANCE THAT WORK IS COMMENCING. CONTACT PERSON IS TRIXIE WILLIS, 681-320 -2039
4. INSTALL SEDIMENT AND EROSION CONTROL MEASURES.
5. CONSTRUCT SIDEWALK AND DRAINAGE STRUCTURES.
6. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED WHEN THE SURFACE IS STABILIZED.

GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS ROADS AND BRIDGES, ADOPTED 2017, AND AS AWARDED BY THE WV DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, SUPPLEMENTAL SPECIFICATIONS, DATED JANUARY 1,2022 INCLUDING PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT OF WAY (PROWAG) DATED JULY 26, 2011. THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

UTILITIES

THE LOCATION OF ALL KNOWN UTILITIES ARE SHOWN ON THE CONTRACT PLANS BASED ON THE BEST AVAILABLE INFORMATION FROM EXISTING PLANS AND FIELD INFORMATION. IT IS THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THE STATUS AND LOCATION OF EACH UTILITY WHEN PERFORMING WORK WHICH MAY AFFECT THESE FACILITIES, INCLUDING PROBING, EXCAVATION OR ANY OTHER PRECAUTION REQUIRED TO CONFIRM LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE OR DISRUPTION TO UTILITY LINES WHICH ARE KNOWN ACTIVE AND ARE TO REMAIN IN OPERATION. ALL UTILITY WORK NOT ITEMIZED SEPARATELY SHALL BE INCLUDED IN VARIOUS ITEM NUMBERS AND NOT PAID FOR SEPARATELY. CONTRACTOR TO CALL MISS UTILITY OF WEST VIRGINIA INCORPORATED (1-800-245-4848) AT LEAST 48 HOURS PRIOR TO ANY SUBSURFACE DISTURBANCE. CONTRACTOR SHALL COORDINATE WORK WITH APPROPRIATE UTILITIES DURING CONSTRUCTION.

PAVEMENT

PAVEMENT DESIGN MIX ON THIS JOB WILL BE IN ACCORDANCE WITH THE MEDIUM TRAFFIC CATEGORY

FUNDING SOURCE SIGN

FUNDING SOURCE SIGN WILL BE REQUIRED ON THIS JOB. COSTS OF SIGN TO BE INCLUDED IN VARIOUS BID ITEMS AND NOT PAID FOR SEPARATELY.

WASTE MATERIAL

ALL MATERIAL, REMOVED AND NOT REUSED IN THE CONSTRUCTION OF THIS PROJECT WILL BE REMOVED FROM THE PROJECT LIMITS AND DISPOSED OF BY THE CONTRACTOR AT AN APPROVED WASTE SITE. ALL WASTE SITES ARE TO BE SEEDED AND MULCHED ACCORDING TO SECTION 652.

NOTICE TO CONTRACTORS

THIS PROJECT IS LOCATED IN THE CORPORATE BOUNDARIES OF THE CITY OF CHARLES TOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE QUANTITIES APPLICABLE TO THE CITY FOR ALL MUNICIPAL TAXES LEVIED BY THE CITY, TO INCLUDE BUT NOT LIMITED TO BUSINESS AND OCCUPATION TAXES.

CONTRACT START DATE

CONTRACT START DATE WILL BE THE DATE OF ANTICIPATED UTILITY CLEAR DATE AS FOUND IN THE STATUS OF UTILITIES. CONTRACT COMPLETION WILL BE BASED ON WORKING DAYS. ORDERING OF ALL PARTS NECESSARY FOR CONTRACT COMPLETION SHALL BE DONE UPON AWARDING OF CONTRACT.

STANDARD DETAILS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD DETAILS BOOK, VOLUME I, DATED MAY 2016 & VOLUME II, DATED JANUARY 1, 2019 SHALL APPLY TO THIS PROJECT. REVISED STANDARD DRAWINGS LISTED IN THE TABLE ON THIS SHEET WITH THEIR CORRESPONDING DATE SUPERCEDE THE AFOREMENTIONED STANDARD DETAILS. STANDARD DETAILS DRAWINGS CAN BE FOUND AT
http://www.transportation.wv.gov/highways/engineering/Pages/publications.aspx

UTILITY STRUCTURES

ALL VALVE BOXES, METER BOXES, MANHOLES COVERS, INLET TOPS, STORM GRATES, ETC. SHALL BE ADJUSTED AS NECESSARY TO MATCH FINISHED SURFACE AND WILL BE INCIDENTAL TO ITEM #609001-001. CONTRACTOR SHALL COORDINATE WORK WITH APPLICABLE UTILITY COMPANIES DURING CONSTRUCTION.

WORK W/O ITEM NUMBERS

ALL WORK SHOWN ON THE PLANS IS INCLUDED IN THIS CONTRACT UNLESS NOTED OTHERWISE. ALL WORK WITHOUT SPECIFIC ITEM NUMBERS IS INCIDENTAL TO CONSTRUCTION AND THE COST INCLUDED IN VARIOUS ITEM NUMBERS AND NOT PAID FOR SEPARATELY.

HANDICAP CLEARANCES

ALL RAMPS, SIDEWALKS, SIGNS ETC. SHALL BE CONSTRUCTED TO PROVIDE A MINIMUM OF 3'-0" CLEARANCE. IF THE CONTRACTOR DETERMINES A PROBLEM WITH MEETING THIS REQUIREMENT THE ENGINEER SHALL BE INFORMED BEFORE PROCEEDING WITH THE WORK.

EXCAVATION QUANTITY

NO CROSS SECTIONS ARE PROVIDED. EXCAVATION WILL BE PAID FOR BY IN FIELD MEASURED QUANTITIES.

ACCESS TO PRIVATE PROPERTY

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES DURING CONSTRUCTION.

LEGEND

EXISTING BUILDING		BLD FLG	BLIND FLANGE
EXISTING CONCRETE		BOP	BEGINNING OF PROJECT
EXISTING DITCH		CL	CLASS
EXISTING DRIVEWAY		CMP	CORRUGATED METAL PIPE
EXISTING FENCE	X—X	CO	CLEAN OUT
EXISTING EDGE OF GRAVEL		CONC	CONCRETE
EXISTING RIVER/STREAM/CREEK		DIP	DUCTILE IRON PIPE
EXISTING ROAD		E	EASTING
EXISTING INDEX CONTOUR		ELEV	ELEVATION
EXISTING INTERMEDIATE CONTOUR		EOP	END OF PROJECT
EXISTING GAS LINE	GAS—GAS	EX	EXISTING
EXISTING ELECTRIC LINE	E—E	GV	GATE VALVE
EXISTING SANITARY SEWER LINE	SA	HDPE	HIGH-DENSITY POLYETHYLENE
EXISTING FIBER OPTIC LINE	FO—FO	HP	HIGH POINT
EXISTING STORM DRAIN LINE	ST—ST	INV	INVERT
EXISTING WATER LINE	W—W	LP	LOW POINT
EXISTING AXLE FOUND		MH	MANHOLE
EXISTING SANITARY SEWER MANHOLE		MIN	MINIMUM
EXISTING DRAINAGE INLET		N	NORTHING
EXISTING WATER VALVE		PC	POINT OF CURVE
EXISTING WATER METER		PROP	PROPOSED
EXISTING FIRE HYDRANT		PT	POINT OF TANGENT
EXISTING POWER POLE		PVC	POLYVINYL CHLORIDE
EXISTING LIGHT POLE		PVC	POINT OF VERTICAL CURVE
EXISTING TREES		PVI	POINT OF VERTICAL INTERSECTION
ADJOINING PROPERTY LINE		PVT	POINT OF VERTICAL TANGENT
PROPERTY LINE		RT	RIGHT
PROPOSED SANITARY SEWER LINE	SA	R/W	RIGHT-OF-WAY
PROPOSED WATER LINE	W	SAN	SANITARY SEWER
PROPOSED SILT FENCE	SF—SF—SF	S/D	SUBDIVISION
PROPOSED WATER VALVE		SSMH	SANITARY SEWER MANHOLE
PROPOSED FIRE HYDRANT		STA	STATION
PROPOSED INLET PROTECTION		TYP	TYPICAL
		W/	WITH

ACCESS TO PROPERTY:

1. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES ALONG THE AFFECTED SECTION OF WV115 THROUGHOUT THE CONSTRUCTION OF THE SIDEWALK.

UNIT BID ITEMS:

1. THE UNIT QUANTITIES ARE INSERTED FOR THE PURPOSE OF COMPARISON BIDS ONLY. QUANTITIES ARE SUBJECT TO INCREASE, DECREASE AND / OR COMPLETE ELIMINATION OF INDIVIDUAL ITEMS. CONTRACTOR AGREES THAT IN CASE ADDITIONS OR DEDUCTIONS ARE MADE, THE UNIT PRICES FOR THE VARIOUS CLASSES OF WORK PROVIDED ON THE BID FORM SHALL BE USED FOR SUCH ADDITIONS OR DEDUCTIONS.
2. IT IS UNDERSTOOD THAT NOMINAL QUANTITIES APPEAR ON THE DRAWINGS FOR CERTAIN ITEMS WHICH ARE NOT SHOWN ON THE PLANS. PRICES BID FOR THESE ITEMS ARE TO BE USED IN CASE OF ADDITIONS TO OR SUBSTITUTION FOR THE PLAN ITEMS.

PRECONSTRUCTION DOCUMENTATION :

1. CONTRACTOR SHALL DOCUMENT THE EXISTING CONDITIONS OF WV115 AND THE PRIVATE PROPERTIES ALONG THE ROUTE OF THE SIDEWALK, UTILIZING VIDEOTAPING. COMPLETED VIDEO TAPES SHALL BE TURNED OVER TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY OTHER WORK.

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
GENERAL NOTES

SUBMITTED: 6/23/2022 2:19 PM FILE: Z:\Projects\2020_Jobs\2005042\01Drawings\Civil\Current\Construction\3.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	4	11

AAI PROJ. NO. 2005042.01

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	ALTERNATE	ITEM DESCRIPTION	UNIT	QUANTITY
		ROADWAY ITEMS		
201001-000		CLEARING AND GRUBBING	LS	1
204001-000		MOBILIZATION	LS	1
207001-001		UNCLASSIFIED EXCAVATION	CY	341
207034-000		FABRIC FOR SEPARATION	SY	1251
307001-000		AGGREGATE BASE COURSE, CL	CY	142
415005-001		STANDARD MILLING	SY	74
601002-101		CLASS B CONCRETE	CY	1
604050-012		15 INCH HIGH DENSITY POLYETHYLENE PIPE, PROFILE WALL (HDPE)	LF	930
604052-002		4 INCH POLYVINYLCHLORIDE PIPE (PVC)	LF	85
605001-001		TYPE A MANHOLE	EA	1
605006-001		TYPE D INLET	EA	8
605009-001		NYLOPLAST YARD INLET	EA	1
609001-001		CONCRETE SIDEWALK	SY	449
609002-001		BED COURSE MATERIAL	CY	58
609005-001		CURB RAMP	EA	2
609006-001		DETECTABLE WARNING SURFACE	EA	6
610003-001		COMBINATION CONCRETE CURB AND GUTTER, TYPE I	LF	623
610003-004		COMBINATION CONCRETE CURB AND GUTTER, TYPE IV	LF	255
636011-001		TRAFFIC CONTROL DEVICE	UN	3780
636014-001		FLAGGER	HR	120
636025-002		WARNING LIGHTS, TYPE B	DA	720
639001-001		CONSTRUCTION LAYOUT STAKE	LS	1
651001-001		FURNISHING AND PLACING TOPSOIL	CY	66
652003-006		SEED MIXTURES, C-2	LB	100
663001-026		EDGE LINE, TYPE II- 6 IN	LF	1650
663006-010		CROSSWALK LINE, TYPE V, 12IN X 6FT	LF	30
652002-001		FERTILIZER,10-20-10	TN	0.01

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	ALTERNATE	ITEM DESCRIPTION	UNIT	QUANTITY
		ROADWAY ALTERNATES		
401001-023	AA1	MARSHALL ASPHALT BASE CRSE, SG, TYII	TN	129
401001-024	AA2	MARSHALL ASPHALT BASE CRSE, S, TY II	TN	123
401002-035	BB1	MARSHALL ASPHALT WEAR CRSE, SG, TY IV	TN	50
402001-021	BB2	MARSHALL ASPHALT WEAR CRSE, S, TY IV	TN	48

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
SUMMARY OF QUANTITIES

SUBMITTED: 6/23/2022 2:19 PM FILE: Z:\Projects\2020_Jobs\2005042001\Drawings\Civil\Current\Construction\4.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	5	11

AAI PROJ. NO. 2005042.01

CONCRETE SIDEWALK

LOCATION		LENGTH	ITEM 609001-001 CONCRETE SIDEWALK SY	ITEM 609002-001 BED COURSE MATERIAL CY	ITEM 207034-000 FABRIC FOR SEPARATION SY	ITEM 609005-001 CURB RAMP EA	ITEM 609006-001 DETECTABLE WARNING SURFACE EA	ITEM 610003-001 COMBINATION CONCRETE CURB AND GUTTER, TYPE I LF	ITEM 610001-004 COMBINATION CONCRETE CURB AND GUTTER, TYPE IV LF
STATION	STATION								
1+95 53Lt	3+74 17Lt	179	100	11	254	1	1	179	-
3+74 17Lt	4+06 17Lt	32	18	2	46	-	-		32
4+06 17Lt	5+17 16Lt	111	67	7	157	-	-	111	-
5+17 16Lt	5+47 16Lt	30	18	2	46	-	-		30
5+47 16Lt	5+92 16Lt	45	25	3	64			45	
5+92 16Lt	6+30 16Lt	38	21	3	54	-	-		38
6+30 16Lt	7+30 16Lt	100	6	3	141	-	-	100	-
7+30 16Lt	7+70 16Lt	40	23	3	57				40
7+70 16Lt	8+26 16Lt	56	32	4	80			56	
8+26 16Lt	8+83 16Lt	57	32	4	81				57
8+83 16Lt	9+54 17Lt	71	40	5	101			71	
9+54 17Lt	10+12 18Lt	58	33	4	83				58
10+12 18Lt	10+73 19Lt	61	34	4	87	1	1	61	
TOTAL		878	449	58	1251	2	2	623	255

PIPE CULVERTS

STRUCTURE NUMBER	TO STRUCTURE NUMBER	604050-012 15 INCH HIGH DENSITY POLYETHYLENE PIPE, PROFILE WALL	ITEM 605001-001 TYPE A MANHOLE	ITEM 605006-001 TYPE D INLET	ITEM 605009-001 TYPE G INLET	ITEM 601002-001 CLASS B CONCRETE, YD
		LENGTH (LF)	EA	EA	EA	YD
OUTFALL #1	(I-1)	143		1		1
(I-1)	(I-1A)	30	1			
(I-1A)	(I-1B)	6			1	
(I-1A)	(I-2)	70		1		
(I-2)	(I-3)	127		1		
(I-3)	(I-4)	100		1		
(I-4)	(I-5)	134		1		
(I-5)	(I-6)	97		1		
(I-6)	(I-7)	120		1		
(I-7)	(I-8)	103		1		
TOTAL		924	1	8	1	1

PAVING QUANTITIES

LOCATION		LENGTH	ITEM 307001-000 AGGREGATE BASE COURSE CLASS I CY	ITEM 401001-023 MARSHALL ASPHALT BASE CRSE, SG, TY II TON	ITEM 401001-024 MARSHALL ASPHALT BASE CRSE, S, TY II TON	ITEM 401002-001 MARSHALL ASPHALT WEAR CRSE, SG, TY I TON	ITEM 401002-021 MARSHALL ASPHALT WEAR CRSE, S, TY I TON
STATION	STATION						
1+95 53Lt	10+73 119Lt	878	142	129	123	50	48
TOTAL		878	142	129	123	50	48

STRUCTURE SCHEDULE

STRUCTURE NO.	STRUCTURE TYPE	RIM ELEV.	INV. ELEV. @ THROAT OPENING	INV. IN.	INV. OUT	LOCATION*
OUTFALL 1	WVDOH CONC. WINGWALL	--	--	--	513.50	STA 11+93.32, 19.46' LT
I-1	WVDOH TYPE D INLET	520.23	519.56	515.25	515.15	STA 10+47.77, 20.09' LT
I-1A	WVDOH TYPE A MANHOLE	521.60	N/A	516.55	516.45	STA 10+17.33, 19.71' LT
I-1B	24" NYLOPLAST INLET	521.50	N/A	--	516.80	STA 10+17.23, 27.39' LT
I-2	WVDOH TYPE D INLET	524.32	523.65	519.25	519.15	STA 9+47.64, 18.85' LT
I-3	WVDOH TYPE D INLET	529.16	528.49	521.45	521.35	STA 8+05+61, 18.42' LT
I-4	WVDOH TYPE D INLET	532.08	531.41	526.05	525.95	STA 7+20.74, 18.34' LT
I-5	WVDOH TYPE D INLET	535.98	535.31	530.25	530.15	STA 5+86.76, 18.11' LT
I-6	WVDOH TYPE D INLET	538.22	537.55	532.25	532.15	STA 4+89.52, 18.25' LT
I-7	WVDOH TYPE D INLET	540.27	539.60	534.85	534.75	STA 3+69.08, 18.87' LT
I-8	WVDOH TYPE D INLET	541.70	541.03	--	535.65	STA 2+65.79, 18.52' LT

*NOTE: LOCATION OF WVDOH TYPE D AND G INLETS AND TYPE A MANHOLE TAKEN AT CENTERLINE OF STRUCTURE, LOCATION OF WINGWALL TAKEN AT CENTERLINE OF FACE OF STRUCTURE.

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
QUANTITY TABLES

SUBMITTED: 6/23/2022 2:20 PM FILE: Z:\Projects\2020_Jobs\2005042001\Drawings\Civil\Current\Construction\5.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	6	11

AAI PROJ. NO. 2005042.01

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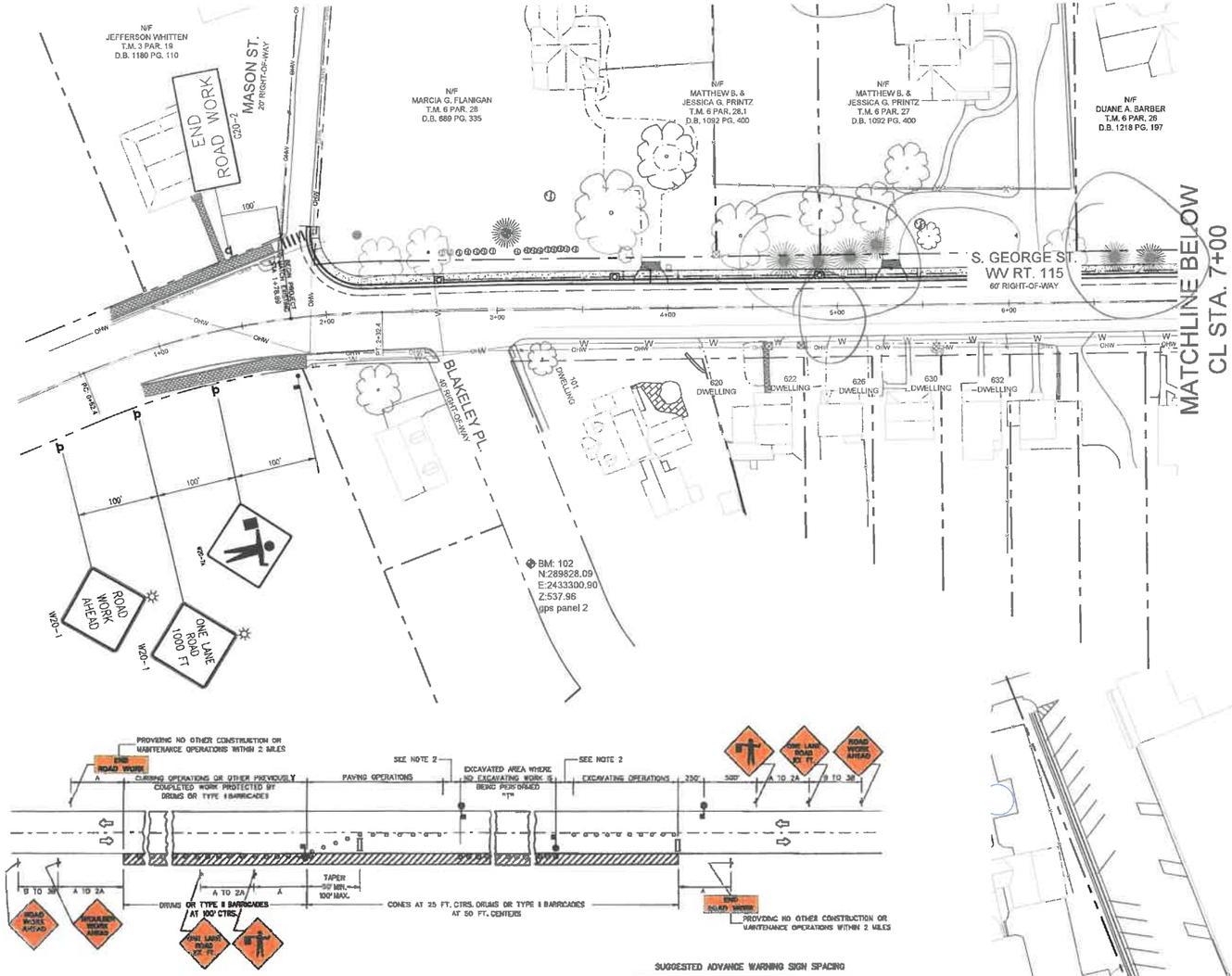

6+75

6 trees possibly

SUGGESTED ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS (IN FT)		
	A	B	C
URBAN (LOW SPEED)*	100	100	100
URBAN (HIGH SPEED)*	350	350	350
RURAL	500	500	500
EXPRESSWAY/FREEWAY	1,000	1,000	2,640

*SPEED CATEGORY TO BE DETERMINED BY WV DOH

SYMBOLS

- WORK AREA.
- SIGN
- CONES OR DRUMS. (TYPE II BARRICADES OPTIONAL) AS APPLICABLE
- SIGN ON PORTABLE OR PERMANENT SUPPORT.
- FLAGGER WITH PADDLE.
- TYPE III BARRICADE.
- CHANNELIZATION DEVICES (DRUMS OR CONES).

GENERAL NOTES

1. WHERE DISTANCE "T" EXCEEDS 1,500 FT. ADDITIONAL ONE LANE ROAD 1,000 FT.. AND FLAGGER SIGNS (AS NECESSARY) SHALL BE INSTALLED. THE CONES, DRUMS, OR BARRICADES MAY BE REMOVED THROUGH THE "T" AREA. AN ADDITIONAL TAPER SHALL BE FORMED BY CONES OR DRUMS IN ADVANCE OF THE EXCAVATING OPERATIONS. ADDITIONAL FLAGGER WILL BE REQUIRED AND THE EXCAVATED AREA SHALL BE PROTECTED BY DRUMS OR TYPE II BARRICADES AT 50 FT. CENTERS.
2. MINIMUM DISTANCE IS 100 FT. WHEN "T" EXCEEDS 1,500 FT., DISTANCE SHALL BE 250 FT.
3. NO PAVING OR EXCAVATING OPERATIONS SHALL BE PERFORMED AT NIGHT UNLESS AUTHORIZED BY THE ENGINEER. WHEN THESE OPERATIONS ARE SUSPENDED ALL VEHICLES AND EQUIPMENT INCLUDING APPROPRIATE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE PAVEMENT AND THE EXCAVATED AREA SHALL BE PROTECTED BY DRUMS OR TYPE II BARRICADES AT 50-FOOT CENTERS. ROAD WORK AHEAD AND SHOULDER WORK AHEAD SIGNS SHALL BE INSTALLED AS SHOWN TO PROTECT THE CURING OPERATIONS. ROAD WORK AHEAD AND ROAD WORK 1000 FT. SIGNS SHALL BE INSTALLED FOR TRAFFIC IN THE OPPOSITE DIRECTION.
4. CONSTRUCTION OPERATIONS SHALL BE CONFINED TO ONE TRAFFIC LANE AT A TIME LEAVING THE OPPOSITE LANE OPEN TO TRAFFIC. AT LEAST 500 FT. OF BOTH TRAFFIC LANES SHALL BE AVAILABLE FOR TRAFFIC MOVEMENT AT INTERVALS NOT GREATER THAN 2,500 FT. A COMPLETE TRAFFIC CONTROL PLAN MUST BE APPROVED FOR ANY PROJECT EXPECTED TO EXCEED 5,000 FT. IN LENGTH INCLUDING BOTH TAPER AND WORK AREA.
5. THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
6. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS THREE DAYS.
7. WHEN A SIDE ROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED ADDITIONAL TRAFFIC CONTROL DEVICES SHALL BE ERECTED AS DIRECTED BY THE ENGINEER.
8. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ABOVE WARNING SIGNS, AS NEEDED ON THE PLANS, AND/OR AS DIRECTED BY THE ENGINEER.

CASE A9

TWO-LANE, TWO-WAY TRAFFIC
WIDENING OF PAVEMENT
DAY OR NIGHT OPERATIONS

WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON THE PAVEMENT DURING PAVEMENT WIDENING OPERATIONS.

TYPICAL APPLICATIONS

PAVEMENT WIDENING.
SHOULDER WORK.

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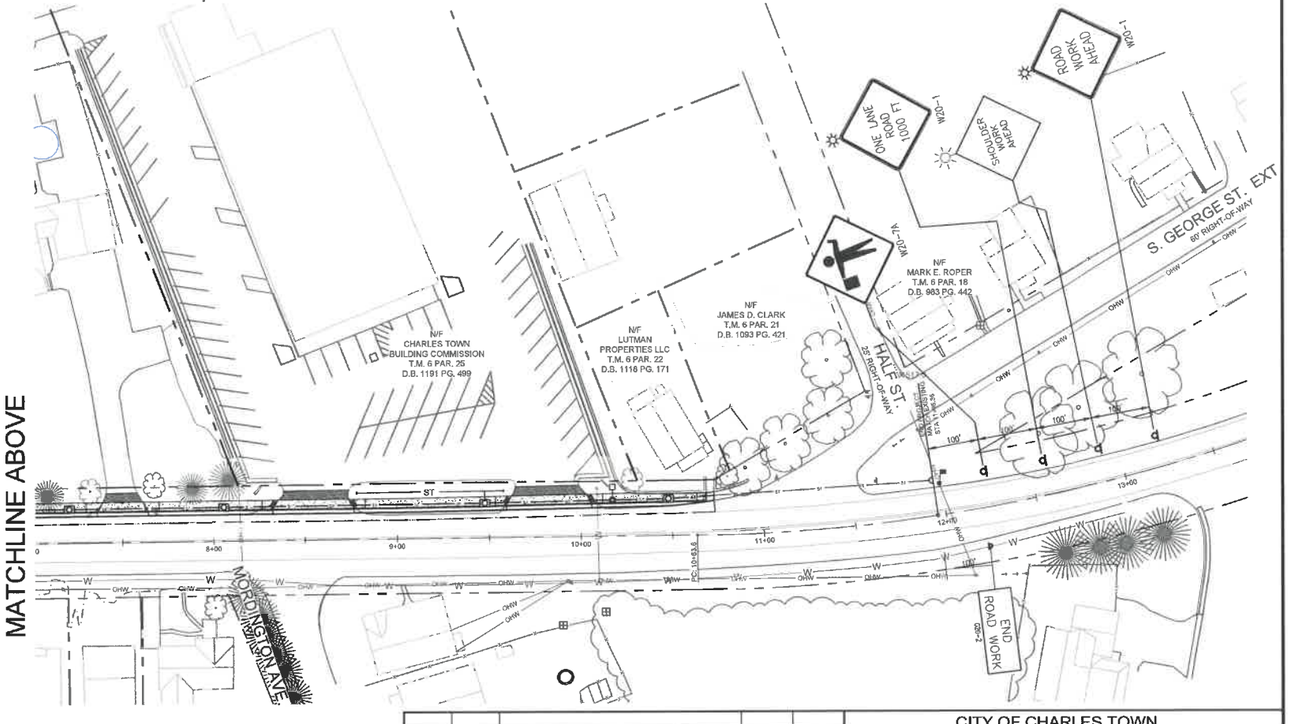
MATCHLINE ABOVE



REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
MOT PLAN & DETAILS

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PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	7	11

AAI PROJ. NO. 2005042.01

TEMPORARY TRAFFIC CONTROL PLAN

TEMPORARY TRAFFIC CONTROL NOTES

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH SECTION 636 OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS, ROADS AND BRIDGES, ADOPTED 2017, SUPPLEMENTAL SPECIFICATIONS, DATE JAN.1, 2020, THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT, AND THE "MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS" 2006 EDITION, WHICH IS MADE PART OF THIS CONTRACT AND THE TRAFFIC PLAN FOR INDIVIDUAL SEGMENTS AS DESCRIBED BELOW:

2. REFLECTIVE SHEETING ON TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE OF NEW CONDITION AT THE BEGINNING OF THE PROJECT LIFE. THIS TO ENSURE THAT NIGHT VISIBILITY AND LEGIBILITY SHALL BE MAINTAINED.

3. WHEN COVERING EXISTING SIGNS THE CONTRACTOR HAS THE OPTION OF USING:
   A. HEAVY DUTY BLACK OVERLAY (PLASTIC OR BURLAP TYPE)
   B. THIN WOOD OVERLAY (E.G. PLYWOOD)
   C. TAKING SIGNS DOWN AND REINSTALLING WHEN APPROPRIATE.
   D. ANY DAMAGES CAUSED BY ABOVE-NAMED SHALL BE REPLACED/REPAIRED TO ORIGINAL CONDITION AT CONTRACTORS EXPENSE.
   E. ALL ABOVE OPERATIONS SHALL BE BID INCIDENTAL TO ITEM 636011-001.

4. ACCESS TO ALL HOUSES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

5. EXISTING SIGNS
   ANY SUCH EXISTING FACILITIES MODIFIED, REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR AT HIS EXPENSE AND SUCH SHALL BE BID INCIDENTAL TO ITEM 636011-001.

6. NOTICE TO CONTRACTORS
   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE TRAFFIC CONTROL WITH ANY ADJACENT CONSTRUCTION PROJECT. THIS COORDINATION SHALL BE DONE SO THAT ANY CLOSURE SHALL NOT CONFLICT WITH ANY OTHER CLOSURE. THIS PLAN OF COORDINATION SHALL BE PRESENTED TO THE ENGINEER IN WRITING FOR HIS APPROVAL.

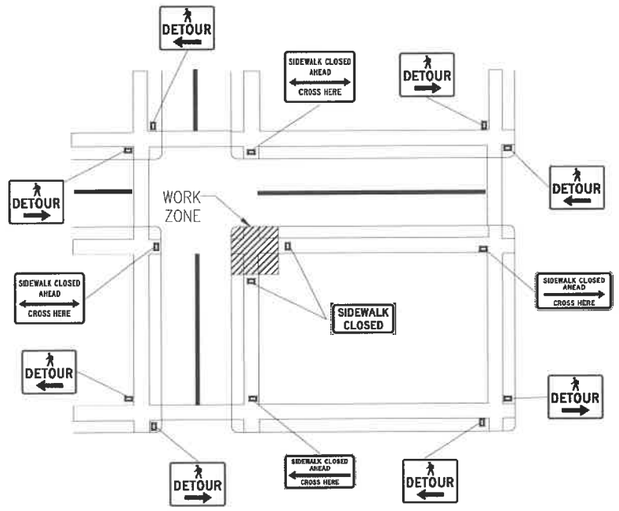
7. MOVING FLAGGER SPECIAL PROVISIONS
   ALL FLAGGERS SHALL BE FURNISHED BY THE CONTRACTOR AND ALL FLAGGING SHALL BE HIS RESPONSIBILITY. WHERE A MOVING FLAGGER IS NOTED OR CALLED FOR, TWO FLAGGERS SHALL BE PROVIDED AT EACH END OF THE AREAS WHERE TRAFFIC IS BEING STOPPED. ONE FLAGGER IS TO BE POSITIONED IN ACCORDANCE WITH THE MANUAL, WHILE THE OTHER FLAGGER IS TO CONTINUALLY MOVE WITH STOPPING TRAFFIC. TWO-WAY RADIOS SHALL BE PROVIDED TO THE FLAGGERS WHEN THEY ARE OUT OF SIGHT OF EACH OTHER.

8. A ATSSA CERTIFIED OR EQUIVALENT TRAFFIC PERSON SHALL BE PROVIDED AT ALL TIMES WHEN WORKERS ARE PRESENT IN THE WORK ZONE AND AS DIRECTED BY THE ENGINEER.

9. USE CASE A9 OR APPLICABLE FOR SIDEWALK CONSTRUCTION AND TO INSTALL PERMANENT SIGNING AND PAVEMENT MARKINGS.

10. PROVIDE SIGNAGE FOR PEDESTRIAN DETOURS AS PER THE ENCLOSED SCHEMATICS.

11. TYPE B LIGHTS SHALL BE INSTALLED ON ALL LEAD-IN SIGNING. ANY ADDITIONAL LIGHTS NEEDED SHALL BE AT THE DISCRETION OF THE PROJECT ENGINEER. THESE LIGHTS SHALL BE BID AS ITEM NUMBER 636025-001, WARNING LIGHTS, TYPE B.



PEDESTRIAN DETOUR SCHEMATIC

TRAFFIC CONTROL SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY UNIT	QUANTITY TOTAL
636007-001	ERADICATION OF PAVEMENT MARKING	LF	0
636011-001	TRAFFIC CONTROL DEVICE	UNIT	3780
636014-001	FLAGGER	HOUR	120
636022-001	CHANGEABLE MESSAGE SIGN	DAY	0
636025-001	WARNING LIGHTS, TYPE A	DAY	0
636025-001	WARNING LIGHTS, TYPE B	DAY	720

TEMPORARY TRAFFIC CONTROL DEVICE QUANTITY TABLE

DEVICE #	DESCRIPTION	VALUE IN UNITS EACH TRAFFIC CONTROL DEVICE	QUANTITIES	TOTAL UNITS
1	SIGNS ON PORTABLE MOUNTS AND BARRICADES (TOTAL SIGN AREA 16 SQ. FT. OR GREATER)	170	0	0
2	SIGNS ON PORTABLE MOUNTS AND BARRICADES (TOTAL SIGN AREA LESS THAN 16 SQ. FT.)	80	0	0
3	SIGNS ON PERMANENT POSTS (TOTAL SIGN AREA 16 SQ. FT. OR GREATER)	180	9	1620
4	SIGNS ON PERMANENT POSTS (TOTAL SIGN AREA LESS THAN 16 SQ. FT.)	90	0	0
5	BARRICADES-TYPE I	35	0	0
6	BARRICADES-TYPE II	60	0	0
7	BARRICADES-TYPE III	90	0	0
8	DRUMS	60	36	2160
9	CONES	5	0	0
10	VERTICAL PANEL OR GROUND MOUNTED DELINEATORS	10	0	0
11	BARRIER OR GUARDRAIL MOUNTED DELINEATORS (BID INCIDENTAL TO BARRIER OR GUARDRAIL)	0	0	0
12	OVERSIZE SIGNS	300	0	0
			TOTAL	3780

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
MAINTENANCE OF TRAFFIC

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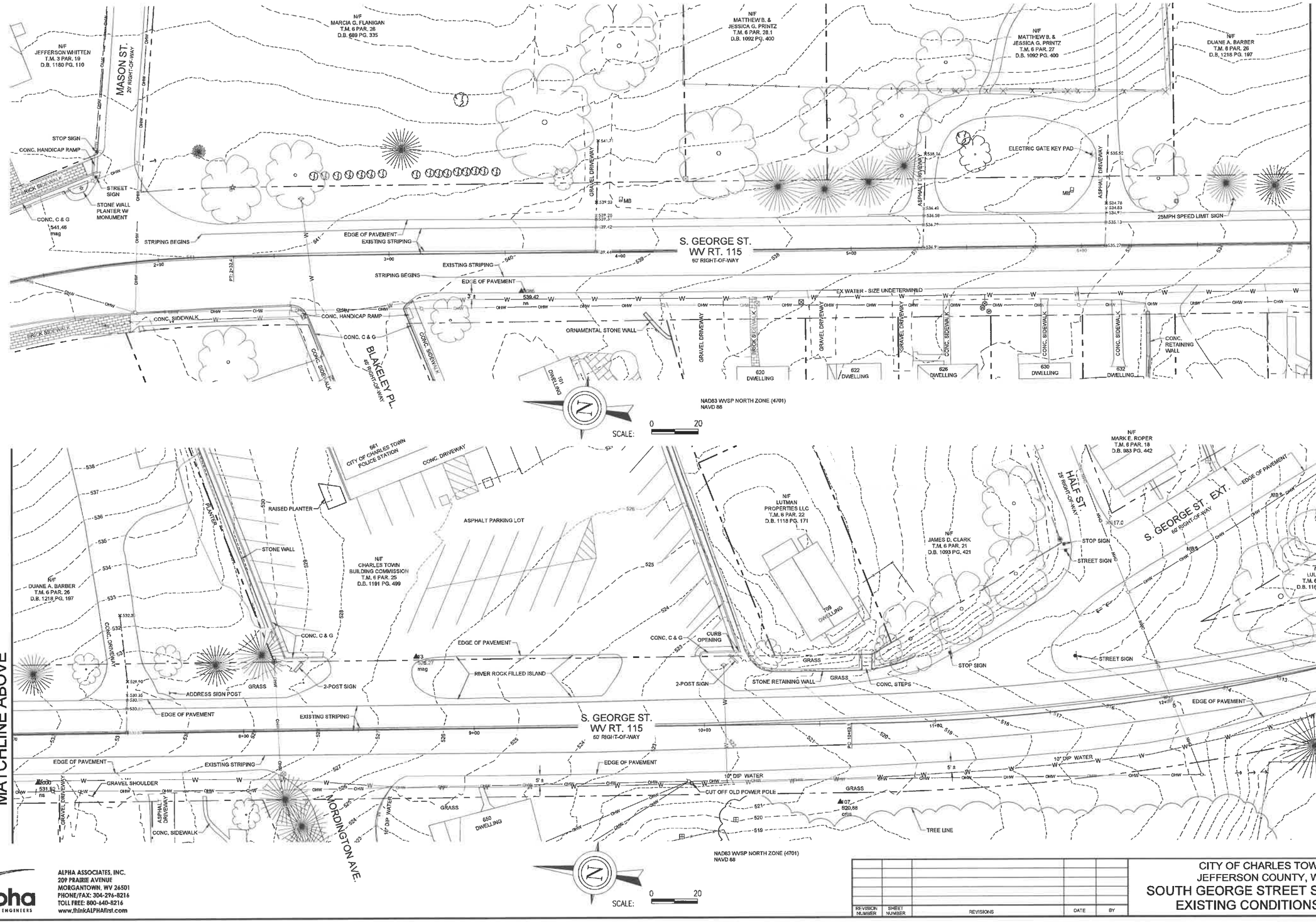
PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	8	11

AAI PROJ. NO. 2005042.01



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
EXISTING CONDITIONS PLAN

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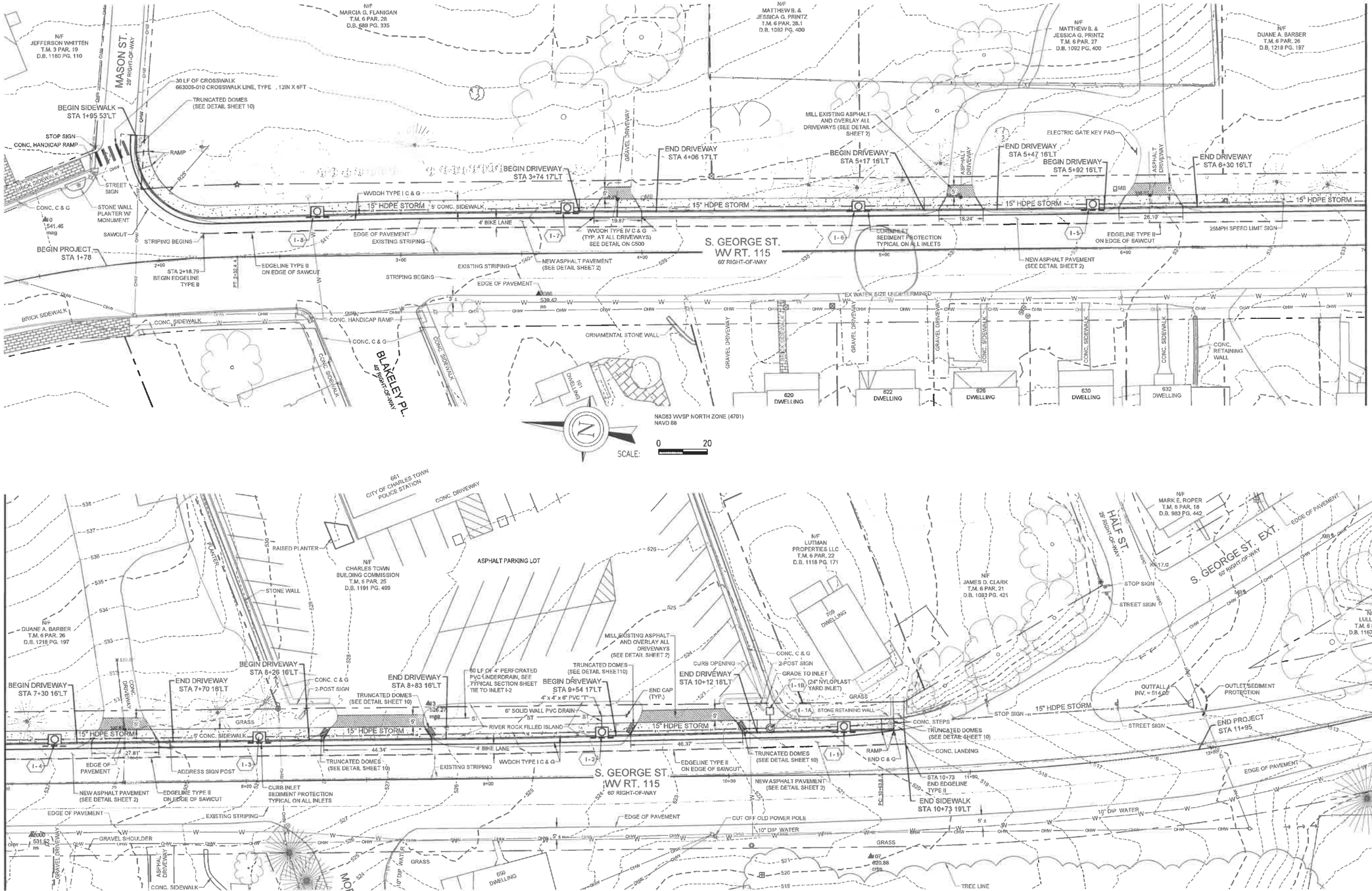
PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	9	11

AAI PROJ. NO. 2005042.01



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
SITE PLAN

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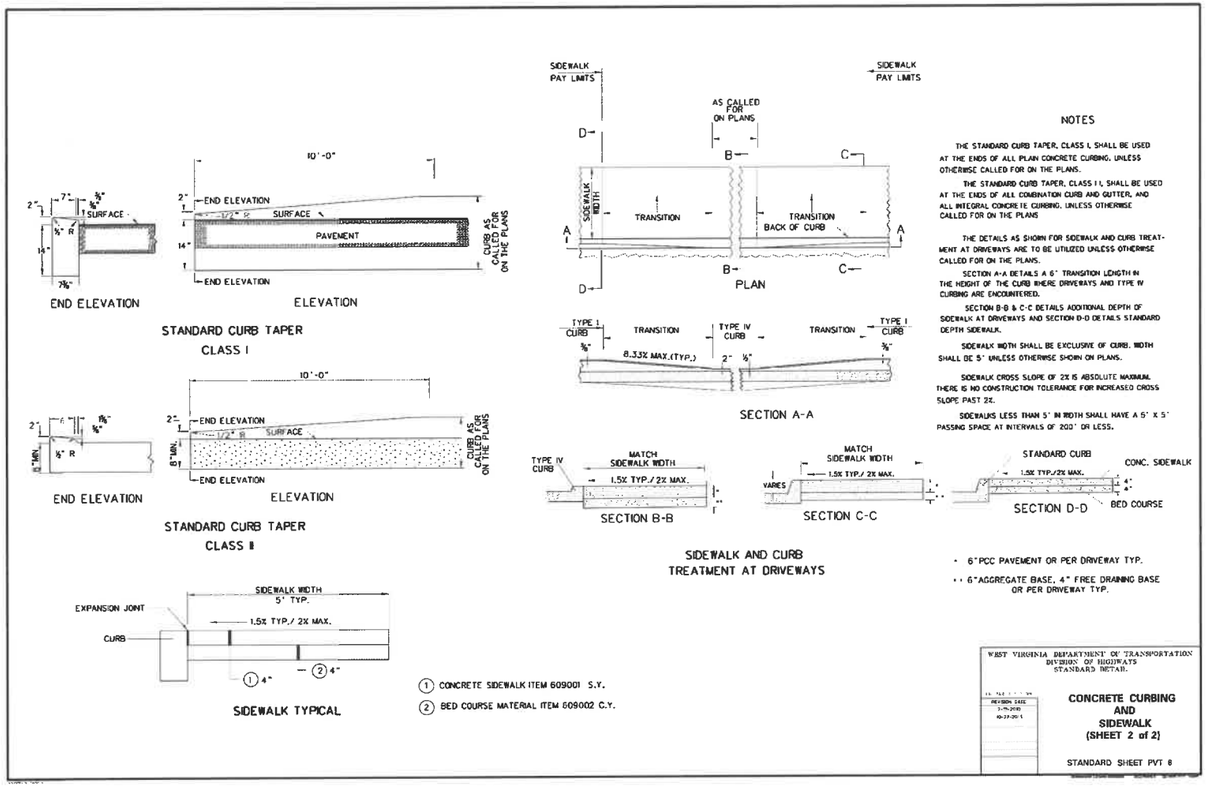
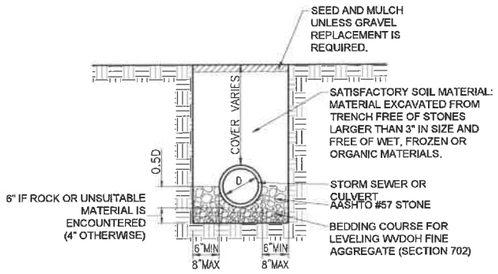
PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	10	11

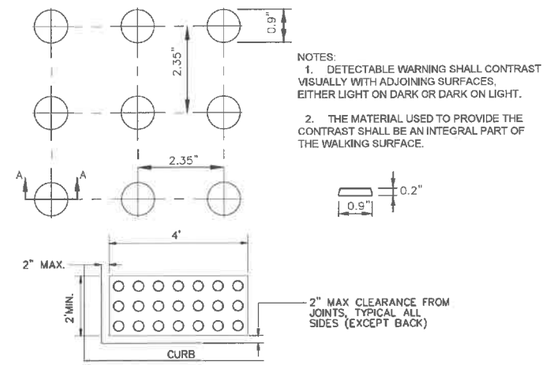
AAI PROJ. NO. 2005042.01





TRENCH DETAIL FOR STORM SEWER

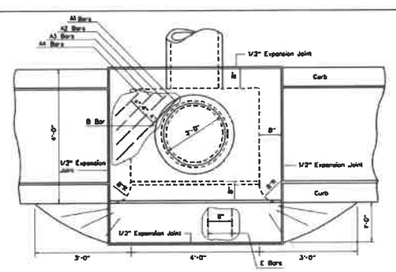
NOT TO SCALE

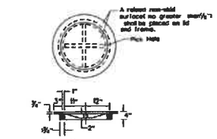


NOTES:
1. DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT ON DARK OR DARK ON LIGHT.
2. THE MATERIAL USED TO PROVIDE THE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.

DETECTABLE WARNING SURFACE

NOT TO SCALE





Optional construction joints labeled "CJ" may be roughened concrete, keyed or doweled as per the typical details shown herein or as approved by the Engineer. Non shrink grout meeting the requirements of subsection 710.5 of the specifications may be used to a depth of 1½" for leveling between precast sections. Thicker depths will be allowed if as per the manufacturer's recommendations.

The covering for reinforcing steel shall be two inches, measured from the surface of the concrete to the face of the bar, unless otherwise shown. Reinforcing steel shall be epoxy coated and meet the requirements of section 602 of the specifications.

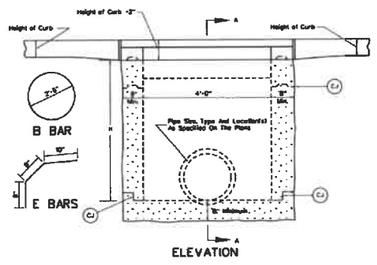
This inlet shall not be placed in a pedestrian cross walk.

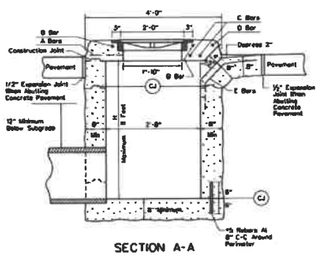
Construction may be cast-in-place, precast in one or multiple sections, or any combination of cast-in-place and precast.

The minimum distance from the top of any pipe opening to any construction joint above the opening shall be four (4) inches.

The number and location of pipe openings shall be as shown in the plans. The contractor at no additional cost, shall be responsible for any temporary bracing required to transport precast inlet sections due to multiple openings.







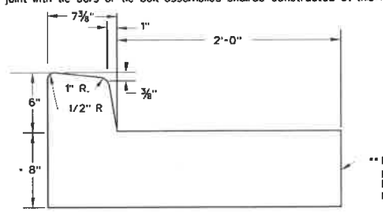
BILL OF STEEL				
Mark	Size Bar	No.	Length	Weight
A1	#5	2	2'-11"	E Sys.
A2	#5	2	3'-3"	7
A3	#5	2	1'-7"	5
A4	#3	2	1'-11"	5
B	#5	2	8'-0"	8
C	#8	2	9'-0"	27
D	#5	1	5'-0"	3
E	#5	6	2'-7"	14
			Total	80 lbs.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DETAIL
TYPE D INLET

WVDOH TYPE D INLET DETAIL

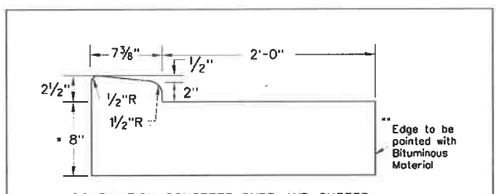
NOT TO SCALE

* or thickness of pavement, when abutting concrete pavement.
** Does not apply, when abutting concrete pavement. Instead a longitudinal joint with tie bars or tie bolt assemblies shall be constructed at this location. joint with tie bars or tie bolt assemblies shall be constructed at this location.



WVDOH TYPE I CURB & GUTTER DETAIL

NOT TO SCALE



WVDOH TYPE IV CURB & GUTTER DETAIL

NOT TO SCALE

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK DETAILS

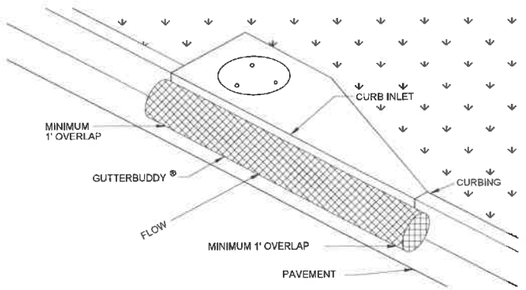
SUBMITTED: 6/23/2022 2:36 PM FILE: Z:\Projects\2020_Jobs\2005042011\Drawings\Civil\CurrentConstruction\10.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	2022	JEFFERSON	11	11

AAI PROJ. NO. 2005042.01

GRADING/EROSION CONTROL NOTES:

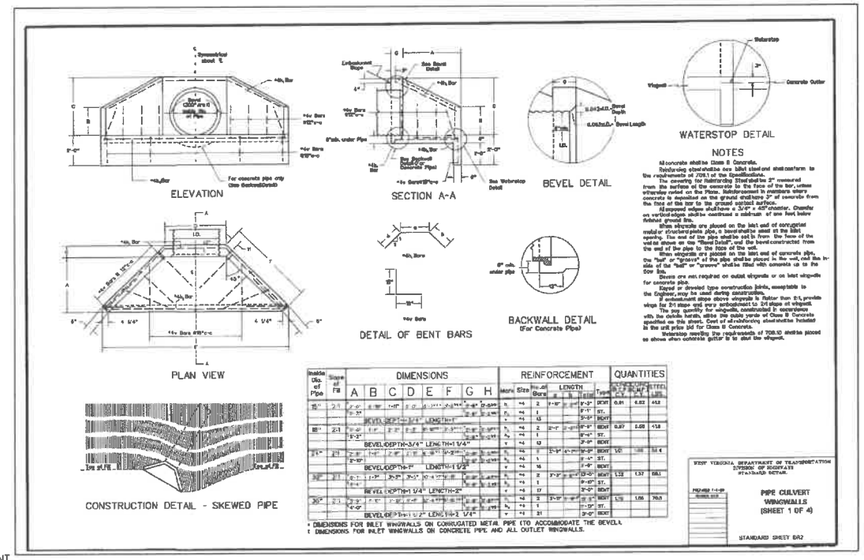
1. EROSION & SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH WV DEP STORMWATER CONSTRUCTION PERMIT REQUIREMENTS. SEE WEBSITE "HTTP://WWW.DEP.WV.GOV/WWE/PROGRAMS/STORMWATER/CSW/PAGES/ESC_BMP.ASPX"
2. AREAS OF DEVELOPMENT SHALL BE PLANNED IN PHASES AND STAGES TO MINIMIZE EXPOSURE TO DISTURBED GROUND. GRADING SHALL BE COMPLETED AS SOON AS POSSIBLE AFTER IT HAS BEGUN.
3. INSPECTIONS ARE TO BE PERFORMED EVERY 7 DAYS AND WITHIN 24 HOURS OF RAIN EVENTS OF 1/4" OR GREATER. PERFORM MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES TO INSURE EFFECTIVE SEDIMENT CONTROL.
4. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ESTABLISHED.
5. ALL AREAS NOT COVERED BY PAVEMENT OR OTHER LANDSCAPING SHALL BE SEEDED USING PERMANENT SEED MIXTURE SHOWN ON THIS PLAN SHEET.
6. THE WVDEP RESERVES THE RIGHT TO REQUIRE ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES DURING THE CONSTRUCTION OF THIS PROJECT.
7. EXCEPT AS NOTED BELOW, 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 SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
   - 7.1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
   - 7.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAT 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
   - 7.3. AREAS WHERE THE SEED WAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RESEEDED IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.
8. ALL FILLS SHALL BE PLACED IN APPROXIMATELY HORIZONTAL LAYERS, EACH LAYER HAVING A LOOSE THICKNESS OF NOT MORE THAN EIGHT (8) INCHES.
9. THE ENTIRE AREA INCLUDED WITHIN THE PROPOSED LIMITS OF CUT AND FILL SHALL BE STRIPPED OF ALL ROOT MAT, TRASH AND OTHER ORGANIC AND OTHERWISE OBJECTIONABLE, NON-COMPLYING AND UNSUITABLE SOILS AND MATERIALS. MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF PROPERLY.
10. NATURAL AND/OR EXISTING SLOPES STEEPER THAN 3:1 SHALL BE BENCHED OR CONTINUOUSLY STEPPED INTO COMPETENT MATERIALS PRIOR TO PLACING FILL.
11. NO FILL OR CUT SHALL BE MADE WHICH CREATES AN EXPOSED SURFACE STEEPER IN SLOPE THAN 2:1.
12. ALL PROPOSED ELEVATIONS SHOWN HEREIN ARE FINISHED GRADE ELEVATIONS.
13. TOPSOIL SHALL BE SPREAD TO A 4-INCH THICKNESS TO BRING THE SITE TO FINISHED GRADE IN ALL AREAS NOT PAVED OR WHERE VEGETATION IS TO BE REMOVED. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS. EXCESS TOPSOIL TO BE SPOILED ON SITE AT A LOCATION ACCEPTABLE TO THE OWNER'S REPRESENTATIVE.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SEWER RIM ELEVATIONS IN RELATION TO PROPOSED GRADE PRIOR TO INSTALLATION. ALL EXISTING MANHOLE COVERS, CATCH BASINS, VALVE COVERS, ETC. THAT ARE TO REMAIN SHALL BE ADJUSTED (RAISED OR LOWERED) TO FINISHED GRADE.
15. ALL CURB INLETS, FIELD INLETS, END SECTIONS AND OTHER SIMILAR DRAINAGE INLET STRUCTURES SHALL BE PROTECTED FROM SILTATION BY APPROVED EROSION CONTROL MEASURES.
16. WHERE UTILITIES AND APPURTENANCES ARE TO BE CONSTRUCTED IN FILL AREAS, THE FILL SHALL BE COMPACTED IN 6-INCH LIFTS TO OBTAIN A MINIMUM OF 98% OF MAXIMUM DRY DENSITY.
17. ALL TOPSOIL AND UNSUITABLE FILL MATERIAL SHALL BE REMOVED PRIOR TO PLACEMENT OF SUBBASE MATERIAL AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
18. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH CONTRACT DRAWINGS AND STORM WATER POLLUTION PREVENTION PLAN UNTIL THEY ARE ADEQUATELY STABILIZED.
19. ALL MATERIAL THAT IS UNSUITABLE FOR BACKFILL WILL BE RELOCATED OFF-SITE BY THE CONTRACTOR TO A SUITABLE AND LEGAL CONSTRUCTION LANDFILL.
20. AREAS SCHEDULED FOR EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
21. ALL EMBANKMENTS SHALL BE COMPACTED AS SPECIFIED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
22. FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO EMBANKMENT SLOPES OF STRUCTURAL FILLS.
23. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVERSED PUBLIC THOROUGHFARE(S) EITHER BY INSTALLING AND MAINTAINING A STABILIZED CONSTRUCTION ENTRANCE OR BY WASHING ALL VEHICLE WHEELS IN A SAFE DISPOSAL AREA. ALL MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARE(S) SHALL BE REMOVED IMMEDIATELY. PROPER PRECAUTIONS SHOULD BE TAKEN TO ENSURE THAT MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARES ARE REMOVED SO THAT THEY DO NOT ENTER DRAINAGE SYSTEMS. SWEEPING OF ROADS UTILIZED DURING CONSTRUCTION SHALL BE DONE ON A DAILY BASIS AT A MINIMUM OR AS ORDERED BY THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
24. AN ADEQUATE RESERVE OF EROSION CONTROL MATERIALS SHALL BE ON SITE AT ALL TIMES FOR EMERGENCY OR ROUTINE REPLACEMENT AND SHALL INCLUDE MATERIALS TO REPAIR SILT FENCES, MULCH AND OTHER DEVICES USED TO STABILIZE THE SITE.
25. THE AREAS OF CONSTRUCTION SHALL REMAIN IN STABLE CONDITION AT THE CLOSE OF EACH CONSTRUCTION DAY. EROSION CONTROL FACILITIES SHALL BE MONITORED AT THIS TIME, AND MAINTAINED, REPAIRED OR REPLACED BY THE CONTRACTOR IF NECESSARY.
26. SILT FENCES OR FIBER ROLLS SHALL BE INSTALLED AT TOES OF SLOPES, AT EDGE OF CLEARING AND GRADING LIMITS, AND AT OTHER LOCATIONS NEEDED TO PREVENT AND CONTROL EROSION OF THE SITE DURING CONSTRUCTION AS SHOWN OR DIRECTED BY THE OWNER.
27. TEMPORARY EROSION CONTROL STRUCTURES TO BE CLEANED WHEN THEY REACH 50% CAPACITY.
28. EXISTING STORM INLETS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION BY USE OF INLET PROTECTION.
29. SITE CONTRACTOR SHALL HAVE A WATER TRUCK OR OTHER ACCEPTABLE MEANS OF CONTROLLING DUST AVAILABLE AT ALL TIMES ON SITE.

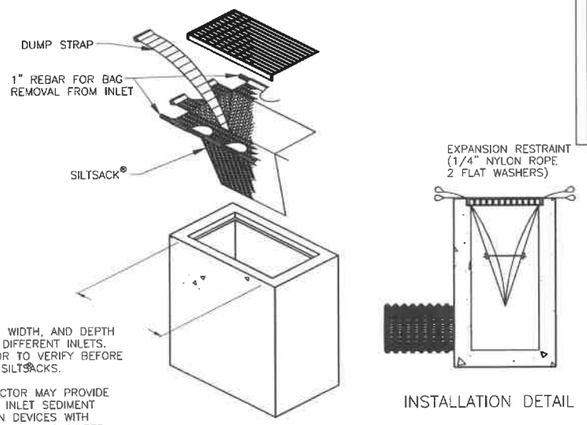


NOTES:
1. CONTRACTOR MAY PROVIDE ALTERNATE INLET SEDIMENT PROTECTION DEVICES WITH APPROVAL BY THE ENGINEER.

CURB INLET SEDIMENT PROTECTION DETAIL

NOT TO SCALE



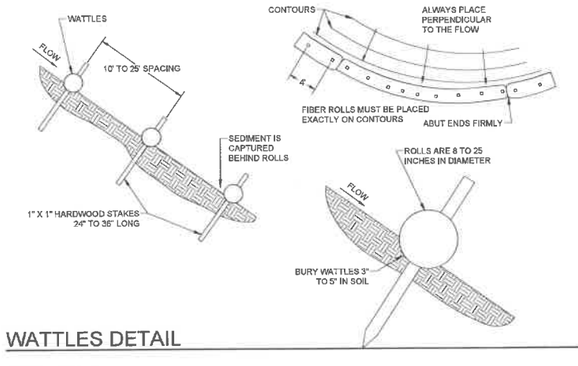


NOTES:
1. LENGTH, WIDTH, AND DEPTH VARY FOR DIFFERENT INLETS. CONTRACTOR TO VERIFY BEFORE ORDERING SILTSACKS.
2. CONTRACTOR MAY PROVIDE ALTERNATE INLET SEDIMENT PROTECTION DEVICES WITH APPROVAL BY THE ENGINEER.

INSTALLATION DETAIL

DROP INLET SEDIMENT PROTECTION DETAIL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

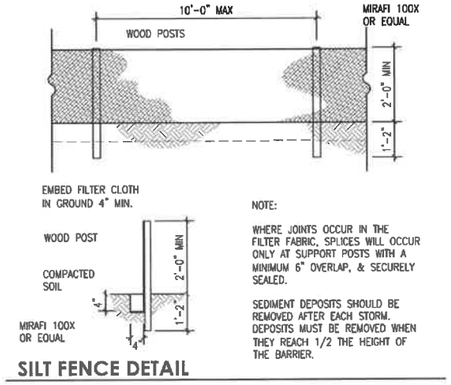
1. WATTLES SHALL BE INSTALLED PERPENDICULAR TO THE FLOW DIRECTION AND PARALLEL TO THE SLOPE CONTOUR.
2. NARROW TRENCHES SHOULD BE DUG ACROSS THE SLOPE, ON CONTOUR, TO A DEPTH OF 3 TO 5 INCHES ON CLAY SOILS AND SOILS WITH GRADUAL SLOPES. ON LOOSE SOILS, STEEP SLOPES, AND DURING HIGH RAINFALL EVENTS, THE TRENCHES SHOULD BE DUG TO A DEPTH OF 5 TO 7 INCHES, OR 1/2 TO 2/3 OF THE THICKNESS OF THE WATTLE.
3. START CONSTRUCTION OF TRENCHES AND INSTALLATION OF WATTLES FROM THE BASE OF THE SLOPE AND WORK UPHILL. EXCAVATED MATERIAL SHOULD BE SPREAD EVENLY ALONG THE UPHILL SLOPE AND COMPACTED USING HAND TAMPING OR OTHER METHOD. CONSTRUCT TRENCHES AT CONTOUR INTERVALS OF 3 TO 30 FEET APART DEPENDING ON THE STEEPNESS OF THE SLOPE, SOIL TYPE, AND RAINFALL. THE STEEPER THE SLOPE THE CLOSER TOGETHER THE TRENCHES SHOULD BE CONSTRUCTED.
4. INSTALL THE WATTLES SNUGLY INTO THE TRENCHES AND ABUT TIGHTLY END TO END. DO NOT OVERLAP THE ENDS.
5. INSTALL STAKES AT EACH END OF THE WATTLE, AND AT 4-FOOT CENTERS ALONG THE ENTIRE LENGTH OF THE WATTLE.
6. IF REQUIRED, INSTALL PILOT HOLES FOR THE STAKES USING A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL.
7. AT A MINIMUM, WOODEN STAKES SHOULD BE APPROXIMATELY 3/4 X 3/4 X 24 INCHES. WILLOW CUTTINGS OR 3/8-INCH REBAR CAN ALSO BE USED FOR STAKES. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE, LEAVING 2 TO 3 INCHES OF THE STAKE PROTRUDING ABOVE THE WATTLE.

MAINTENANCE

1. INSPECT WATTLES AT A MINIMUM ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.25 INCHES OF RAIN PER 24 HOUR PERIOD.
2. REPAIR OR REPLACE SPLIT, TORN, RAVELING, OR SLUMPING WATTLES.
3. REMOVE SEDIMENT ACCUMULATIONS WHEN EXCEEDING 1/2 THE HEIGHT BETWEEN THE TOP OF THE WATTLE AND THE GROUND SURFACE.
4. REPAIR ANY RILLS OR GULLIES PROMPTLY.
4. RESEED OR REPLANT VEGETATION AS NECESSARY UNTIL THE SLOPE IS STABILIZED.

WATTLES DETAIL

NOT TO SCALE



NOTE:

WHERE JOINTS OCCUR IN THE FILTER FABRIC, SPLICES WILL OCCUR ONLY AT SUPPORT POSTS WITH A MINIMUM 6" OVERLAP, & SECURELY SEALED.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM. DEPOSITS MUST BE REMOVED WHEN THEY REACH 1/2 THE HEIGHT OF THE BARRIER.

SILT FENCE DETAIL

NO SCALE

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CITY OF CHARLES TOWN
JEFFERSON COUNTY, WV
SOUTH GEORGE STREET SIDEWALK
E & S CONTROL DETAILS

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