



01/11/2021

Addendum 1

WV Access Industrial Road Program

This Addendum is being issued answer technical questions and answers as well as provide drawings with updates that were discussed in the mandatory pre-bid meeting.

Question 1: In lieu of bolting to the piles, will the Owner allow WVDOH Type 1 Class 1 guardrail consisting of the W Beam mounted to a steel posts with posts centered on 6'3 spacings.

Answer 1: Steel post will be allowed, the guardrail posts and blocks shall be attached as per the WVDOH Standard Details Book

Question 2: If the Owner mandates the bolting of the rail to the pile, is it intended for just the W-Beam Panel to be bolted via a field drilled hole in the pile?

Answer 2: Blocking is required if the guardrail is attached to the pile

Question 3: At what interval shall the 6-inch PVC underdrain discharge?

Answer 3: The 6-inch underdrain shall discharge at 50 ft intervals

CITY OF CHARLESTON
ADDENDUM ACKNOWLEDGEMENT FORM

By signing below and submitting with my bid response, our team acknowledges receipt of Addendum #1 pertaining to the **WV Access Industrial Road Program**, which was issued on January 11, 2021.

Authorized Bidder's Signature

Title

Printed/Typed Bidder's Name

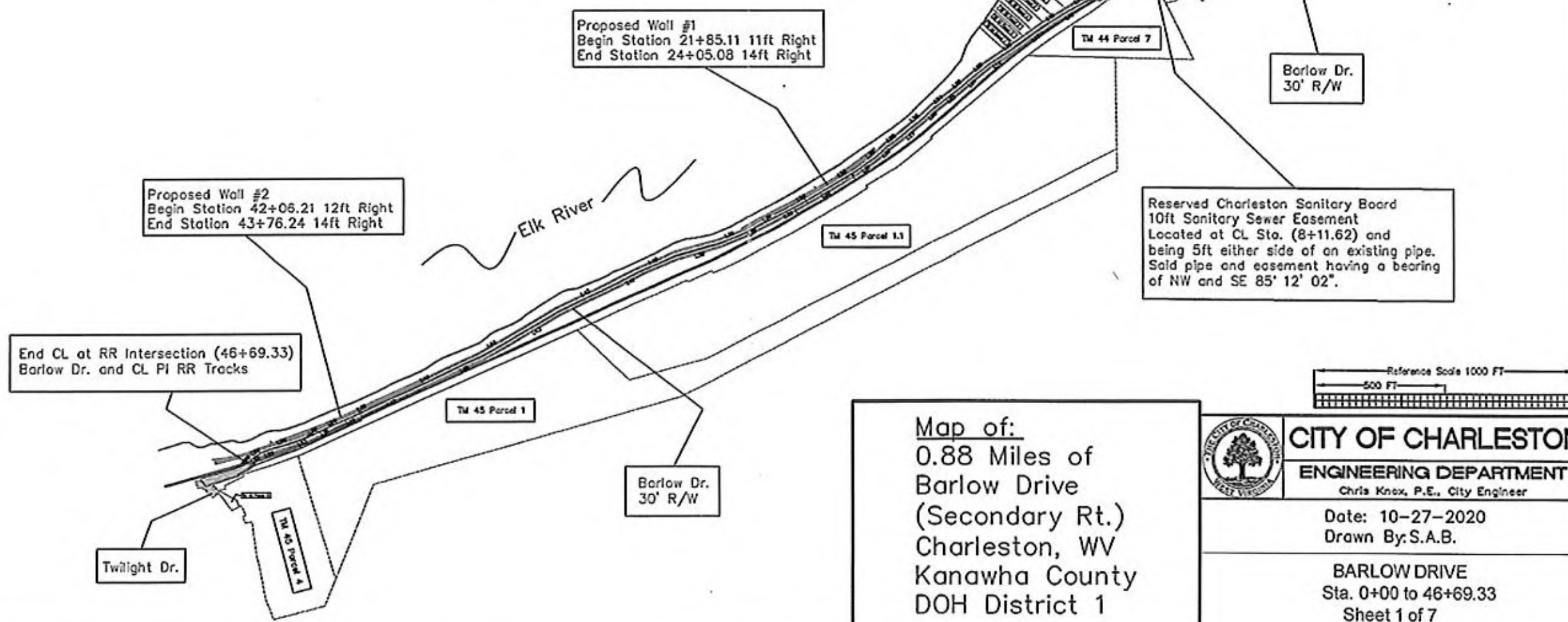
Date

Company Name



Vicinity Map

CL Line Table			CL Line Table			CL Line Table		
Line #	Direction	Length	Line #	Direction	Length	Line #	Direction	Length
POB Barlow Dr. (0+00) CL at South West Side of Bridge over Elk Twomile Creek								
L1	S38° 22' 15"W	55.23	L21	S48° 43' 03"W	56.45	L43	S59° 09' 56"W	208.00
L2	S42° 48' 41"W	63.61	L22	S50° 08' 44"W	37.29	L44	S60° 19' 21"W	116.00
L3	S39° 55' 27"W	58.35	L23	S53° 37' 45"W	49.94	L45	S64° 30' 49"W	150.72
L4	S37° 30' 14"W	114.30	L24	S51° 43' 05"W	53.99	L46	S64° 25' 16"W	153.90
L5	S40° 38' 09"W	143.43	L25	S46° 35' 55"W	43.42	L47	S65° 29' 35"W	152.40
L6	S41° 51' 13"W	97.65	L26	S50° 49' 16"W	56.85	L48	S63° 48' 13"W	43.67
L7	S42° 17' 08"W	177.85	L27	S50° 37' 49"W	62.74	L49	S66° 28' 02"W	91.70
L8	S33° 19' 44"W	75.19	L28	S53° 26' 36"W	63.43	L50	S63° 55' 50"W	34.33
L9	S50° 05' 21"W	50.46	L29	S46° 30' 22"W	40.27	L51	S64° 00' 20"W	39.24
L10	S61° 44' 02"W	46.69	L30	S52° 09' 14"W	34.17	L52	S65° 01' 46"W	41.75
L11	S65° 25' 27"W	61.89	L31	S55° 35' 51"W	77.17	L53	S69° 57' 01"W	57.23
L12	S60° 55' 29"W	47.85	L32	S58° 40' 50"W	68.00	L54	S73° 38' 14"W	82.61
L13	S66° 20' 31"W	73.86	L33	S59° 05' 11"W	100.64	L55	S70° 34' 49"W	47.96
L14	S59° 43' 55"W	80.21	L34	S58° 40' 01"W	72.37	L56	S58° 41' 18"W	23.65
L15	S59° 18' 48"W	42.24	L35	S52° 29' 35"W	78.03	L57	S48° 28' 26"W	22.90
L16	S57° 46' 13"W	77.20	L36	S54° 04' 39"W	75.59	L58	S43° 55' 16"W	14.19
L17	S54° 57' 20"W	110.35	L37	S61° 23' 53"W	68.08	End CL at RR Tracks (46+69.33) Barlow Dr. and CL PI Tracks		
L18	S55° 19' 19"W	94.61	L38	S67° 30' 10"W	89.68			
L19	S56° 21' 44"W	51.38	L39	S74° 30' 18"W	175.02			
L20	S51° 31' 18"W	59.61	L40	S65° 41' 51"W	132.03			
			L41	S62° 50' 52"W	118.09			
			L42	S64° 17' 28"W	234.41			



Map of:
0.88 Miles of
Barlow Drive
(Secondary Rt.)
Charleston, WV
Kanawha County
DOH District 1

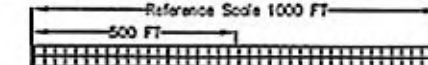
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ENGINEERING DEPARTMENT

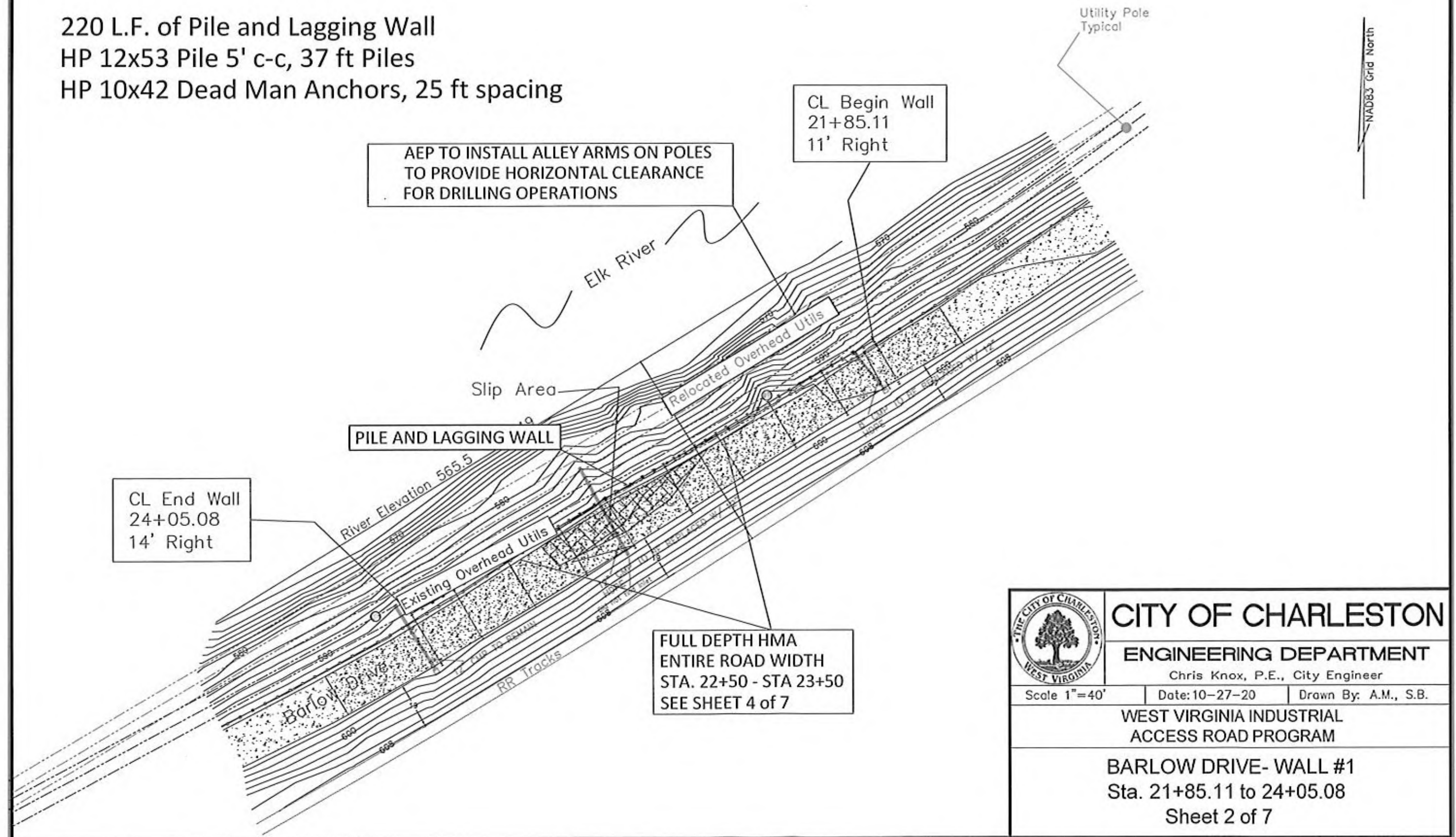
Chris Knox, P.E., City Engineer

Date: 10-27-2020
Drawn By: S.A.B.

BARLOW DRIVE
Sta. 0+00 to 46+69.33
Sheet 1 of 7



220 L.F. of Pile and Lagging Wall
HP 12x53 Pile 5' c-c, 37 ft Piles
HP 10x42 Dead Man Anchors, 25 ft spacing



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Scale 1"=40'

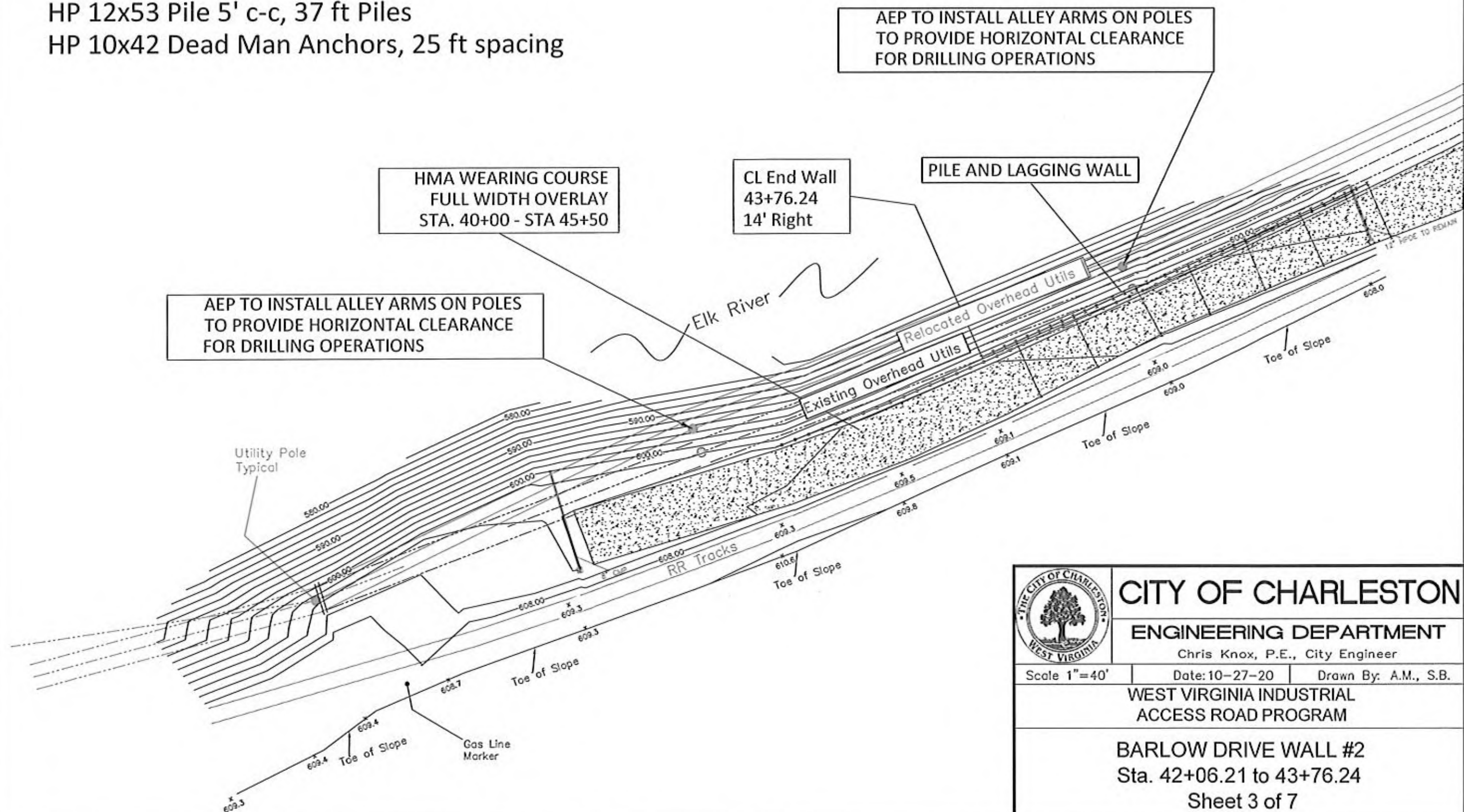
Date: 10-27-20

Drawn By: A.M., S.B.

**WEST VIRGINIA INDUSTRIAL
ACCESS ROAD PROGRAM**

BARLOW DRIVE- WALL #1
Sta. 21+85.11 to 24+05.08
Sheet 2 of 7

170 L.F. of Pile and Lagging Wall
 HP 12x53 Pile 5' c-c, 37 ft Piles
 HP 10x42 Dead Man Anchors, 25 ft spacing



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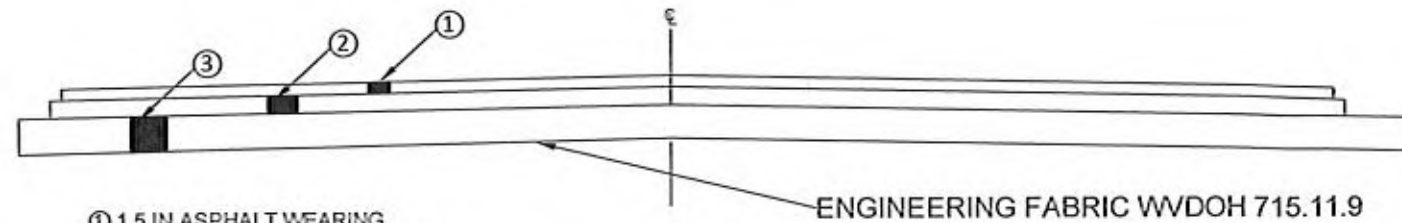
Scale 1"=40'

Date: 10-27-20

Drawn By: A.M., S.B.

**WEST VIRGINIA INDUSTRIAL
ACCESS ROAD PROGRAM**

**BARLOW DRIVE WALL #2
Sta. 42+06.21 to 43+76.24
Sheet 3 of 7**

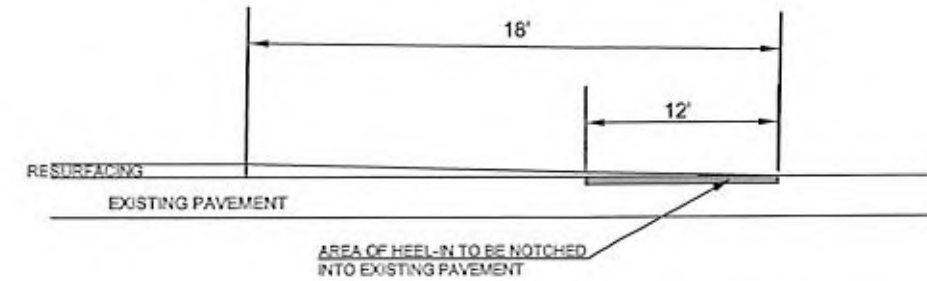


- ① 1.5 IN ASPHALT WEARING COURSE (WVDOH Section 401)
- ② 2.5 IN ASPHALT BASE COURSE (WVDOH Section 401)
- ③ 9 IN AGGREGATE BASE COURSE (WVDOH Section 307)

ENGINEERING FABRIC WVDOH 715.11.9

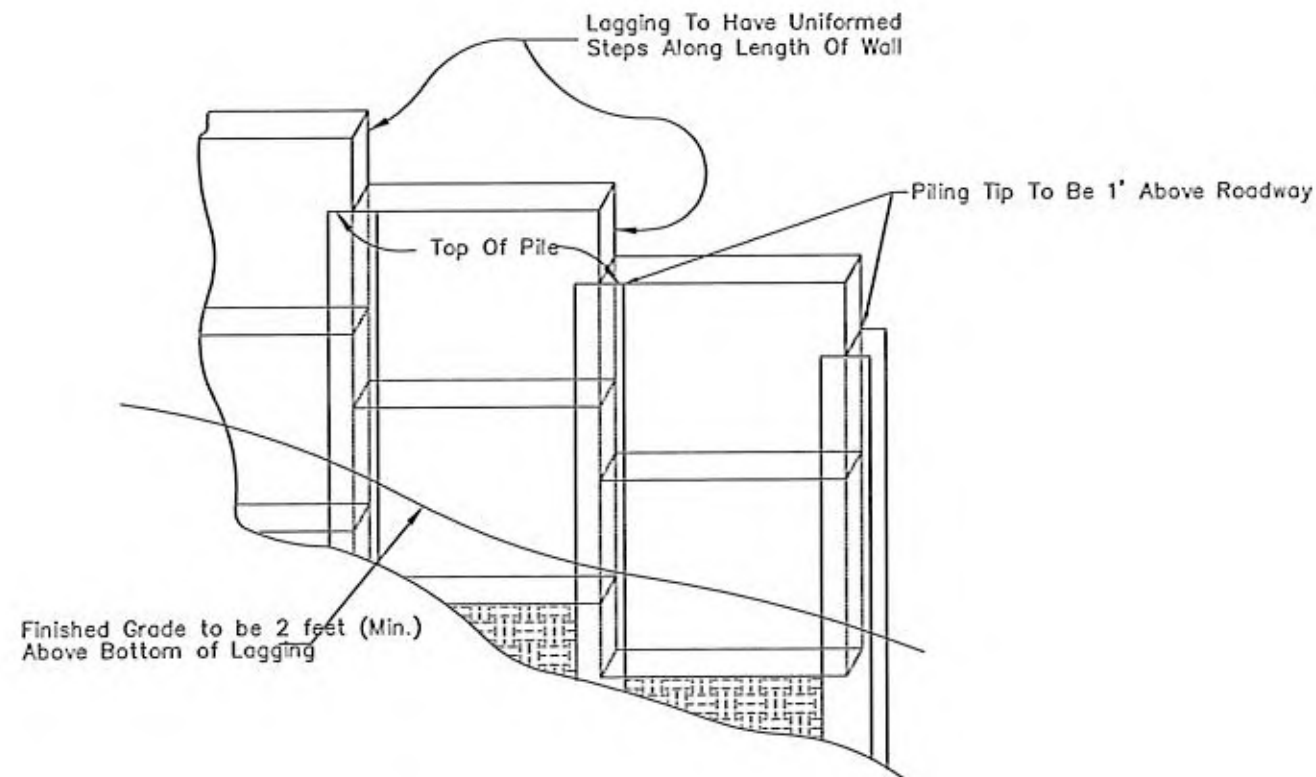
FULL DEPTH ASPHALT

N.T.S.



HEEL-IN DETAIL

N.T.S.



LAGGING PLACEMENT DETAIL

N.T.S.



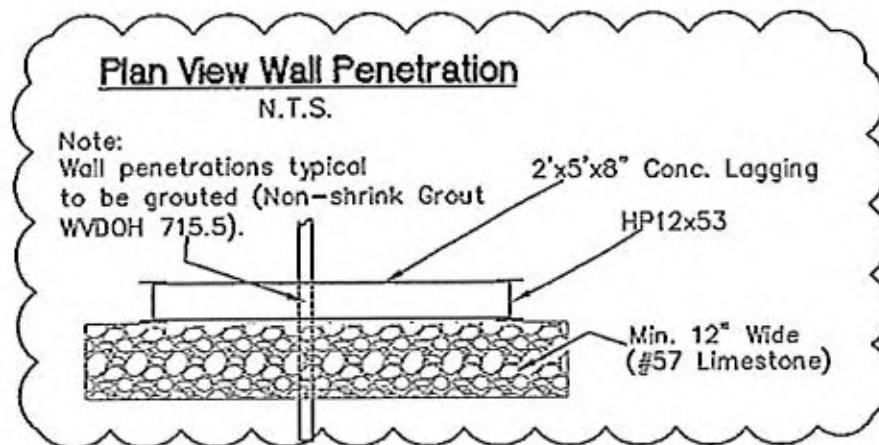
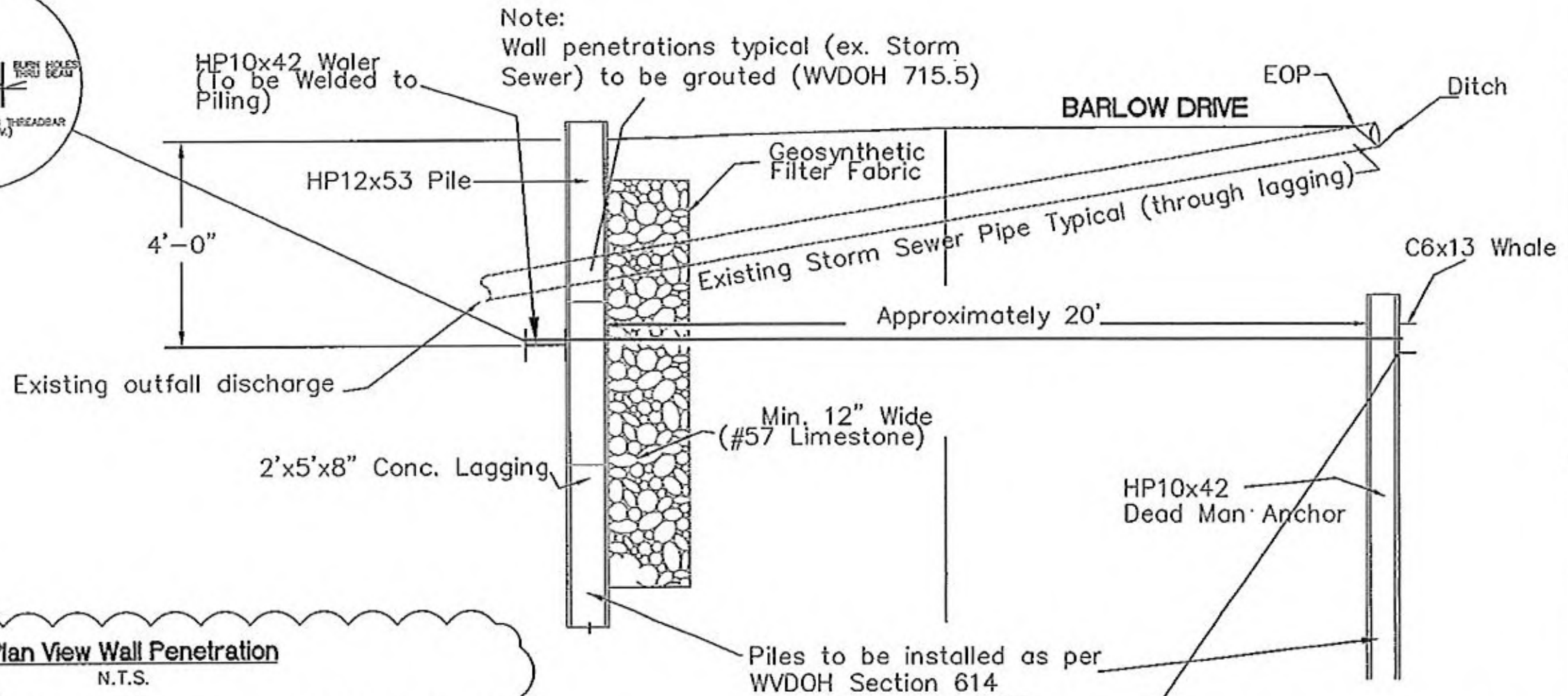
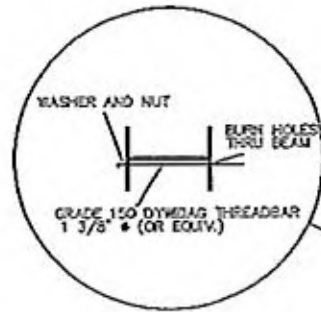
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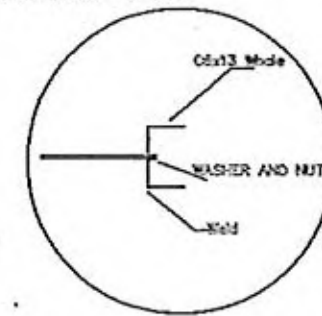
Chris Knox, P.E., City Engineer

WEST VIRGINIA INDUSTRIAL
ACCESS ROAD PROGRAM

DETAILS
Sheet 4 of 7



WALL DETAIL
N.T.S.



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Chris Knox, P.E., City Engineer

WEST VIRGINIA INDUSTRIAL
ACCESS ROAD PROGRAM

Wall Detail Sheet
Sheet 5 of 7



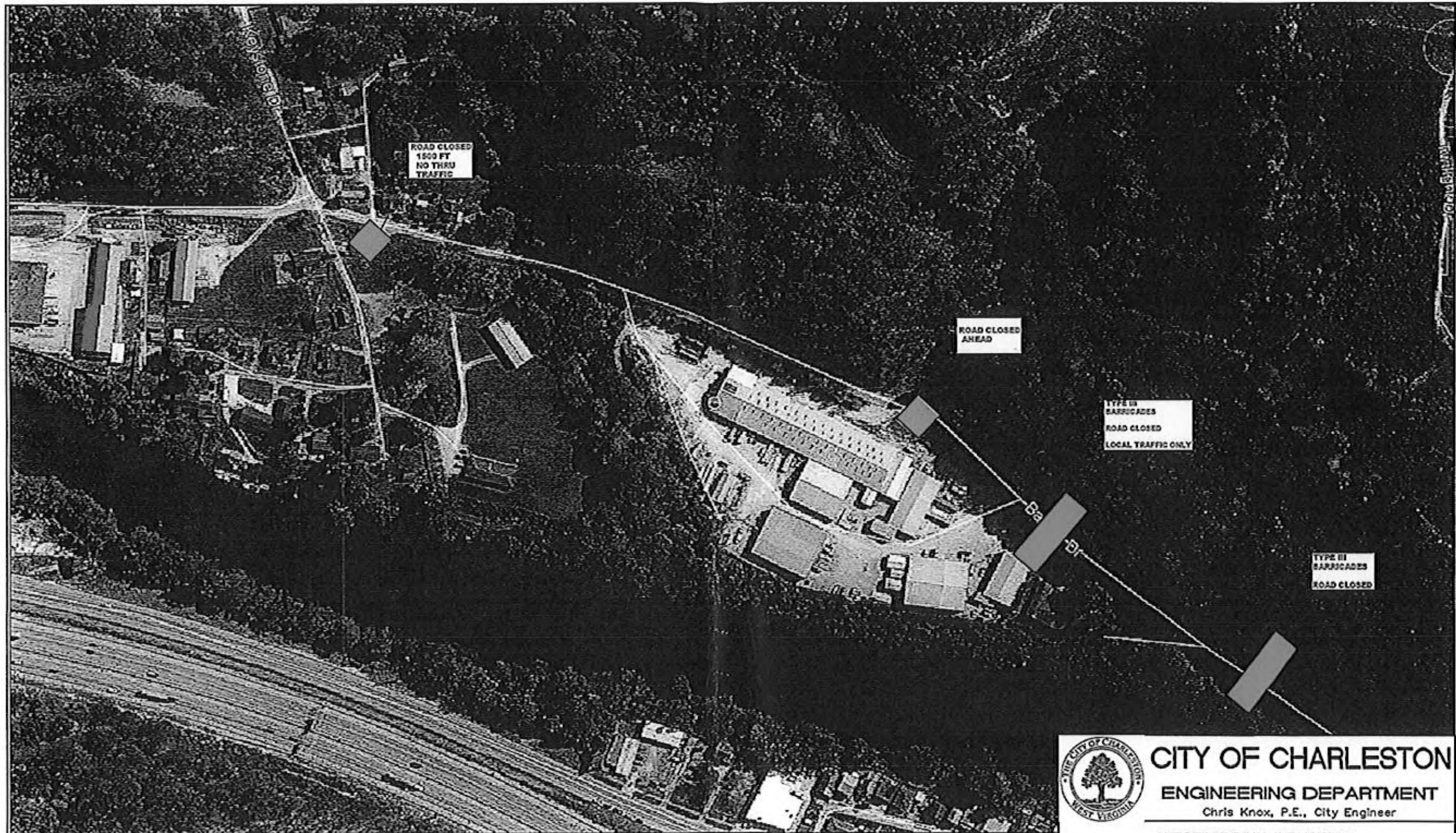
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Chris Knox, P.E., City Engineer

WEST VIRGINIA INDUSTRIAL
ACCESS ROAD PROGRAM

Barlow Drive Closure Sign Shop Side
6 of 7



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WEST VIRGINIA INDUSTRIAL
ACCESS ROAD PROGRAM

Barlow Drive Closure Young's Side
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