



October 2, 2020

Reference No. 8614941.702

Mr. Christopher Mannes, III, P.E.
Project Manager
NYSDEC, Region 7
615 Erie Boulevard West
Syracuse, New York 13204

Dear Mr. Mannes:

**Re: 2020 Monitoring Well Decommissioning
110 Luther Avenue BCP Site
BCP Site #C734118**

On behalf of Syracuse Label Company, Inc., GHD Consulting Services Inc. (GHD) has completed the groundwater monitoring well decommissioning activities at the 110 Luther Avenue Brownfield Cleanup Program (BCP) Site (#C734118) located in the Town of Salina, Onondaga County, New York in general accordance with the New York State Department of Environmental Conservation (NYSDEC) approval letters dated August 25, 2020 and September 16, 2020. Parratt-Wolff, Inc. performed decommissioning activities on September 18, 2020 and September 28, 2020.

Activities included decommissioning one (1) 2-inch diameter polyvinyl chloride (PVC) groundwater monitoring well (MW-19) and one (1) 1/4-inch diameter Teflon tubing soil vapor monitoring well (SVW-4) located off-site, south of the Site within the Luther Avenue right-of-way. An additional soil vapor monitoring well (SVW-3) was confirmed to have been destroyed by others with no remaining well tubing observed, and as such could not be formally decommissioned.

Groundwater monitoring well MW-19 decommissioning was proposed to proceed in accordance with CP-43: Groundwater Monitoring Well Decommissioning Policy (NYSDEC November 3, 2009) by puncturing the bottom of the well, filling with a bentonite/cement grout, removing the well screen and riser from the boring, and filling the void with grout. Decommissioning of MW-19 proceeded as proposed, and the PVC well screen and riser was able to be pulled in its entirety, with the resulting void backfilled with cement/bentonite grout.

The Teflon well tubing of SVW-4 was pulled out of the ground until its breaking point, as proposed, and the surrounding soils were allowed to collapse in and fill the void. The stainless steel soil vapor well screen remained in the subsurface.

At each of these locations, the flush mount curb box, cover, and concrete pad were removed and the surface was left similar to surrounding conditions. At a later date, these monitoring point locations were regraded and either paved with asphalt pavement or transitioned to landscaped areas by others as part of the development of the adjacent property south of Luther Avenue.



The remaining off-site groundwater monitoring well (MW-18) had the flush mount protective casing, cover, and concrete pad replaced to accommodate the newly installed asphalt pavement. Following removal of the curb box, cover, and concrete pad at MW-18, a wooden form was built around the well by others and paving activities were completed by others associated with the development of the adjacent property south of Luther Avenue. Once paving was completed, GHD and Parratt-Wolff returned to the Site on September 28, 2020 and installed a new concrete pad, flush mount curb box, and cover at MW-18.

The following table lists the wells that were decommissioned or modified, their diameters, approximate depths, and type of surface restoration. The attached figure shows where the wells were located prior to decommissioning and also includes the locations of monitoring wells that remain on-Site.

Representative photographs of decommissioning activities are included in Attachment 1. Decommissioning logs provided by Parratt-Wolff are included in Attachment 2.

Well ID	Diameter (inches)	Depth (feet)	Comments
MW-18	2	12.80	Modified. New flush mount surface casing and concrete pad installed. Monitoring well PVC riser was not modified.
MW-19	2	13.35	Decommissioned. PVC well screen and riser pulled in its entirety and the void was grouted. Flush mount surface casing and concrete pad were removed and surface was left similar to surrounding conditions.
SVW-3	1/4	2.00	Destroyed. Flush mount surface casing destroyed by others and no remaining well tubing observed. No formal decommissioning activities occurred.
SVW-4	1/4	2.00	Decommissioned. Teflon tubing pulled out of the ground until the point it broke and the formation collapsed and backfilled the void. Flush mount surface casing and concrete pad were removed and surface was left similar to surrounding conditions.

Well materials, flush mount surface casings, and associated concrete pads were removed from the Site by Parratt-Wolff for off-site disposal as solid waste.

If you have questions, please do not hesitate to contact me at 315.802.0312.

Sincerely,

GHD Consulting Services Inc.

Ian E. McNamara
Geologist – Environment

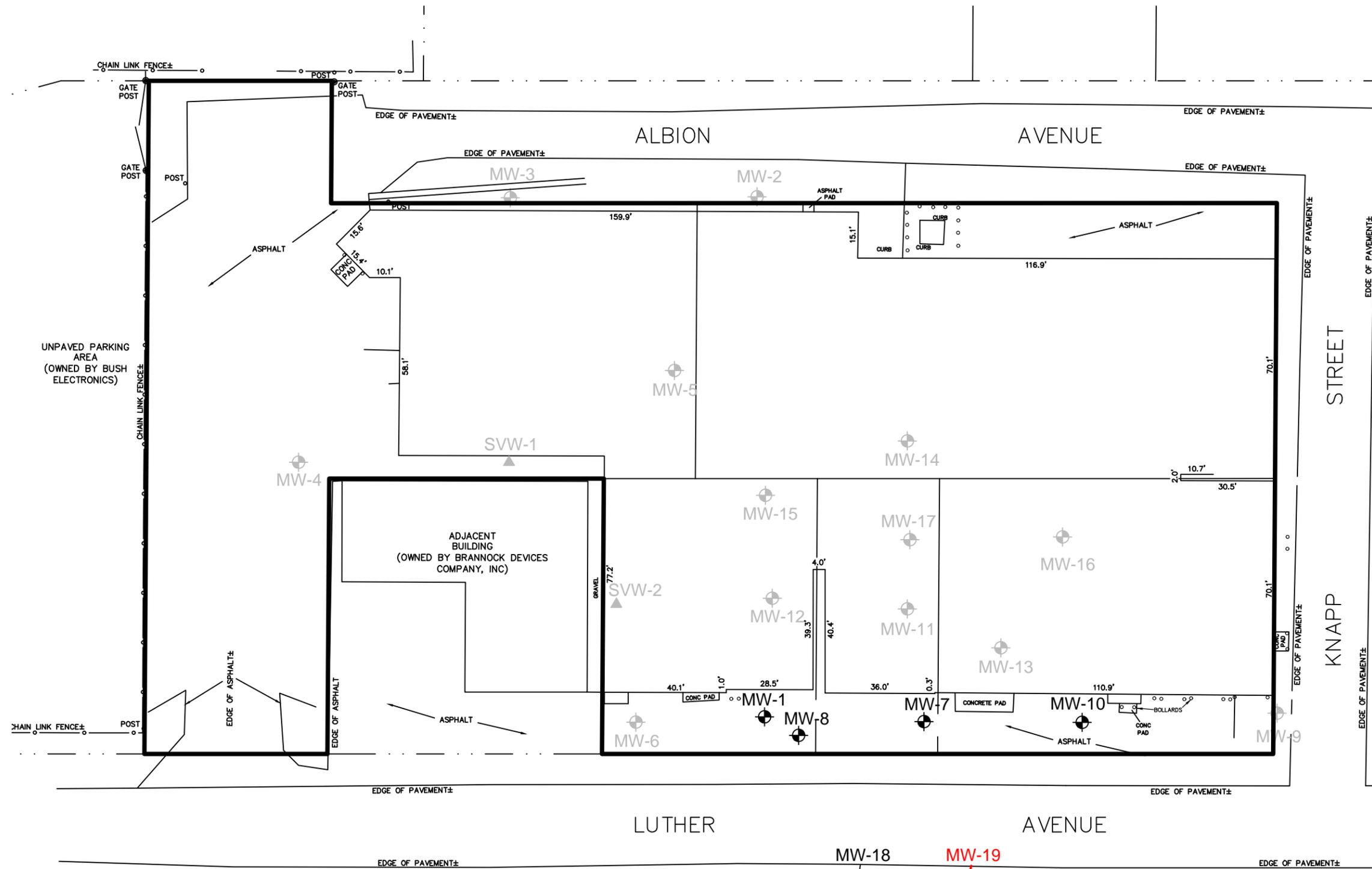
IEM/tac

Enclosures: Figure 1 – Site Layout
Attachment 1 – Representative Photographs
Attachment 2 – Well Decommissioning Records

cc: Mr. Mark Sergott, NYSDOH (w/encs.)
Ms. Maureen Schuck, NYSDOH (w/encs.)
Mr. Paul Roux, Syracuse Label (w/encs.)



Figures



LEGEND:

-  **MW-1** REMAINING GROUNDWATER MONITORING WELL LOCATION AND ID (SURVEYED)
-  **SVW-3** SOIL VAPOR MONITORING WELL LOCATION AND ID DECOMMISSIONED IN SEPTEMBER 2020 (SURVEYED)
-  **MW-19** GROUNDWATER MONITORING WELL LOCATION AND ID DECOMMISSIONED IN SEPTEMBER 2020 (SURVEYED)
-  **MW-2** GROUNDWATER MONITORING WELL LOCATION AND ID DECOMMISSIONED DECEMBER 2016 / MARCH 2019 (SURVEYED)
-  **SVW-1** SOIL VAPOR MONITORING WELL LOCATION AND ID DECOMMISSIONED DECEMBER 2016 (SURVEYED)
-  BCP SITE BOUNDARY (APPROXIMATE)
-  PROPERTY BOUNDARY (APPROXIMATE)

NOTES:

1. REMAINING GROUNDWATER MONITORING WELLS (MW-1, MW-7, MW-8, MW-10, AND MW-18) TO BE SAMPLED SEMI-ANNUALLY FOR POINT OF COMPLIANCE MONITORING PURPOSES.
2. SAMPLES WILL BE ANALYZED FOR CHLORINATED VOCs OF CONCERN ONLY (PCE, TCE, cis-DCE, trans-DCE, AND VC).
3. SAMPLING WILL CONTINUE AT THIS FREQUENCY UNTIL APPROVAL FOR ADDITIONAL MODIFICATIONS IS RECEIVED FROM NYSDEC.



NOTES:
1. SITE FEATURES BASED ON SITE SURVEY BY IANUZI & ROMANS, P.C. MARCH 2010 AND NOVEMBER 2010.



Syracuse Label Company, Inc.
2020 Monitoring Well Decommissioning
110 Luther Avenue BCP Site (Site #C734118)

Job Number | 86-14941
Revision | A
Date | 09.29.2020

Site Layout

Figure 1



Attachments

8614941

110 Luther Avenue BCP Site
2020 Monitoring Well Decommissioning



Attachment 1
Representative Photographs



Photo 1 - The PVC well screen and riser was removed from exterior monitoring well location (MW-19) and the void was grouted.



Photo 2 - Soil vapor monitoring well tubing pulled from SVW-4.



Attachment 1 – Representative Photographs



Photo 3 - The flush mount covers and associated concrete pads were removed.



Photo 4 - New flush mount surface casing installed to bring monitoring well (MW-18) up to the newly developed asphalt grade.



Attachment 1 – Representative Photographs



Photo 5 - Finished concrete pad and cover at MW-18 flush with surrounding grade.



Attachment 1 – Representative Photographs

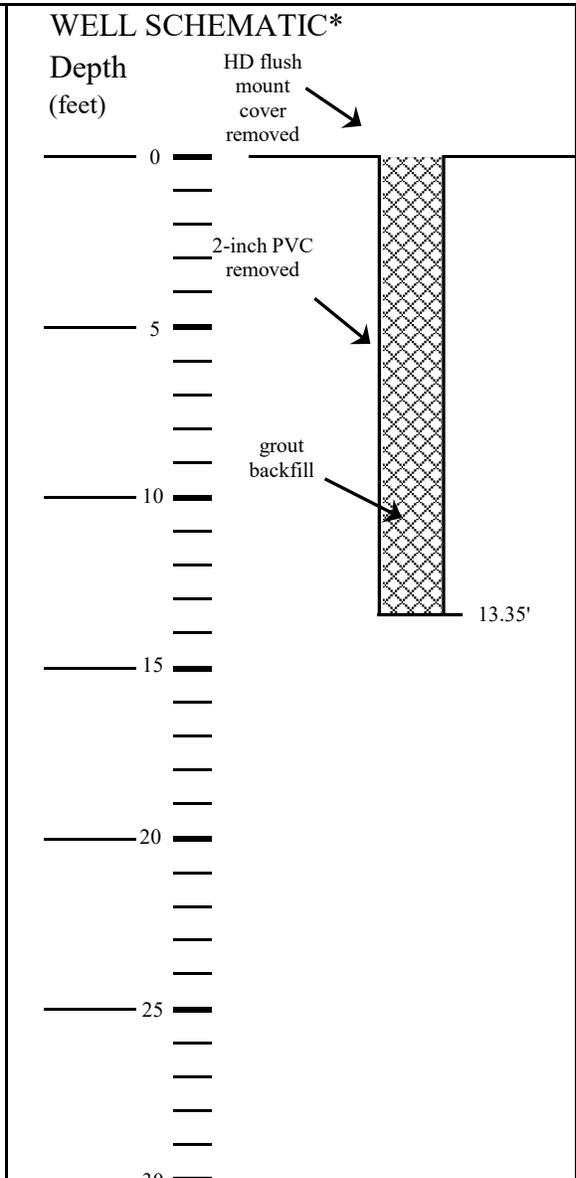


Attachment 2
Decommissioning Logs

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: Syracuse Label	Well I.D.: MW-19
Site Location: Salina, New York	Driller: Sean Pepling
Drilling Co.: Parratt-Wolff, Inc.	Inspector: Ian McNamara
	Date: 9/18/20

DECOMMISSIONING DATA (Fill in all that apply)	
<u>OVERDRILLING</u>	
Interval Drilled	NA
Drilling Method(s)	NA
Borehole Dia. (in.)	NA
Temporary Casing Installed? (y/n)	N
Depth temporary casing installed	NA
Casing type/dia. (in.)	NA
Method of installing	NA
<u>CASING PULLING</u>	
Method employed	pull
Casing retrieved (feet)	13.35'
Casing type/dia. (in)	PVC / 2"
<u>CASING PERFORATING</u>	
Equipment used	NA
Number of perforations/foot	NA
Size of perforations	NA
Interval perforated	NA
<u>GROUTING</u>	
Interval grouted (FBLs)	0.0 - 13.35'
# of batches prepared	1
For each batch record:	
Quantity of water used (gal.)	4
Quantity of cement used (lbs.)	47
Cement type	Portland I/II
Quantity of bentonite used (lbs.)	2
Quantity of calcium chloride used (lbs.)	NA
Volume of grout prepared (gal.)	5
Volume of grout used (gal.)	5



COMMENTS:
 TD - 13.35' (BTOC), punched out bottom of well, tremie grouted, pulled PVC well materials, removed FMC

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Sean Pepling
 Drilling Contractor

Department Representative

**FIGURE 3
WELL DECOMMISSIONING RECORD**

Site Name: Syracuse Label	Well I.D.: SV-W4
Site Location: Salina, New York	Driller: Sean Pepling
Drilling Co.: Parratt-Wolff, Inc.	Inspector: Ian McNamara
	Date: 9/18/20

DECOMMISSIONING DATA (Fill in all that apply)	WELL SCHEMATIC*																																																
<p><u>OVERDRILLING</u></p> <table border="1"> <tr><td>Interval Drilled</td><td>NA</td></tr> <tr><td>Drilling Method(s)</td><td>NA</td></tr> <tr><td>Borehole Dia. (in.)</td><td>NA</td></tr> <tr><td>Temporary Casing Installed? (y/n)</td><td>N</td></tr> <tr><td>Depth temporary casing installed</td><td>NA</td></tr> <tr><td>Casing type/dia. (in.)</td><td>NA</td></tr> <tr><td>Method of installing</td><td>NA</td></tr> </table> <p><u>CASING PULLING</u></p> <table border="1"> <tr><td>Method employed</td><td>pull</td></tr> <tr><td>Casing retrieved (feet)</td><td>2.0'</td></tr> <tr><td>Casing type/dia. (in)</td><td>0.25" poly</td></tr> </table> <p><u>CASING PERFORATING</u></p> <table border="1"> <tr><td>Equipment used</td><td>NA</td></tr> <tr><td>Number of perforations/foot</td><td>NA</td></tr> <tr><td>Size of perforations</td><td>NA</td></tr> <tr><td>Interval perforated</td><td>NA</td></tr> </table> <p><u>GROUTING</u></p> <table border="1"> <tr><td>Interval grouted (FBLS)</td><td>NA</td></tr> <tr><td># of batches prepared</td><td>NA</td></tr> <tr><td>For each batch record:</td><td></td></tr> <tr><td>Quantity of water used (gal.)</td><td>NA</td></tr> <tr><td>Quantity of cement used (lbs.)</td><td>NA</td></tr> <tr><td>Cement type</td><td>NA</td></tr> <tr><td>Quantity of bentonite used (lbs.)</td><td>NA</td></tr> <tr><td>Quantity of calcium chloride used (lbs.)</td><td>NA</td></tr> <tr><td>Volume of grout prepared (gal.)</td><td>NA</td></tr> <tr><td>Volume of grout used (gal.)</td><td>NA</td></tr> </table>	Interval Drilled	NA	Drilling Method(s)	NA	Borehole Dia. (in.)	NA	Temporary Casing Installed? (y/n)	N	Depth temporary casing installed	NA	Casing type/dia. (in.)	NA	Method of installing	NA	Method employed	pull	Casing retrieved (feet)	2.0'	Casing type/dia. (in)	0.25" poly	Equipment used	NA	Number of perforations/foot	NA	Size of perforations	NA	Interval perforated	NA	Interval grouted (FBLS)	NA	# of batches prepared	NA	For each batch record:		Quantity of water used (gal.)	NA	Quantity of cement used (lbs.)	NA	Cement type	NA	Quantity of bentonite used (lbs.)	NA	Quantity of calcium chloride used (lbs.)	NA	Volume of grout prepared (gal.)	NA	Volume of grout used (gal.)	NA	<p>The well schematic shows a vertical shaft with depth markers every 5 feet from 0 to 30. At the surface (0 feet), there is an 'HD flush mount cover removed'. From 0 to 2.0 feet, there is '0.25-inch polyethylene tubing removed'. The casing is noted as '2.0'' long.</p>
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