LEGEND

Existing Sewer Line

Existing WWTP

Existing Lift Station

Existing Lower Shelby 201 Area

Proposed Lower Shelby 201 Area Addition

EXISTING LOWER SHELBY 201 AREA

SHELBIANA

US 460

PROPOSED LOWER SHELBY 201 AREA

PROPOSED LOWER SHELBY 201 AREA

VIRGIE

US 23

N

0 6000 12000

GRAPHIC SCALE: 1" = 6000'

DESCRIPTION OF REVISION

DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HARRODSBURG, KY
CHARLESTON, WV
LOGAN, WV
EBRON, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Proposed Planning Area

DATE:
SCALE: As Noted
DRAWN BY:
CHECKED:
PROJECT NO:

SHEET:
EX 3-1
OF:

LEGEND

- Existing Sewer Line
- Existing WWTP
- Existing Lower Shelby 201 Area
- Proposed Lower Shelby 201 Area Addition
- 0–2 Year Planning Period
- 3–10 Year Planning Period
- 11–20 Year Planning Period

EXISTING LOWER SHELBY 201 AREA

SHELBIANA

US 460

PROPOSED LOWER SHELBY 201 AREA

PROPOSED LOWER SHELBY 201 AREA

VIRGIE

US 23

N

0 6000 12000

GRAPHIC SCALE: 1" = 6000'

DESCRIPTION OF REVISION

DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HAZARD, KY
CHARLESTON, WV
LOGAN, WV
EBRON, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Planning Period Designation

DATE:
SCALE: As Noted
DRAWN BY:
CHECKED:
PROJECT NO:
SHEET:
EX 3–2
OF:

LEGEND

- Existing Sewer Line
- Existing WWTP
- Douglas WWTP Expansion to 300,000 GPD – Area 1
- Buckfield – Area 2
- Branham Heights – Area 3
- Shelbiana – Area 4
- Little Creek – Area 5
- Robinson Creek – Area 6
- Sugar Camp – Area 7
- Little Robinson – Area 8
- Douglas WWTP Expansion to 500,000 GPD – Area 9
- Caney / Penny Line Upgrade – Area 10
- Indian Creek – Section 1 – Area 11
- Indian Creek – Section 2 – Area 12
- Indian Creek – Section 3 – Area 13
- Jonancy – Section 2 – Area 14
- Long Fork – Section 2 – Area 15
- Caney Creek – Section 1 – Area 16
- Caney Creek – Section 2 – Area 17
- Caney Creek – Section 3 – Area 18
- Existing Lower Shelby 201 Area
- Proposed Lower Shelby 201 Area Addition

EXISTING LOWER SHELBY 201 AREA

PROPOSED LOWER SHELBY 201 AREA

SHELBIANA

VIRGIE

US 460

US 23

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

0 6000 12000

GRAPHIC SCALE: 1" = 6000'

DESCRIPTION OF REVISION

DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HUNTINGTON, WV
CHARLESTON, WV
LEBANON, VA
EMORY, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Sub-Planning Area Map (Project Phasing)

DATE:
SCALE: As Noted
DRAWN BY:
CHECKED:
PROJECT NO:
SHEET:
EX 4-1
OF:

LEGEND

- Existing Sewer Line
- Existing WWTP
- Existing Lift Station
- KPDES Permit
- Existing Lower Shelby 201 Area
- Proposed Lower Shelby 201 Area Addition

SHELBIANA

US 460

VIRGIE

US 23

N

0 6000 12000

GRAPHIC SCALE: 1" = 6000'

DESCRIPTION OF REVISION

DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HAZARD, KY
CHARLESTON, WV
LOGAN, WV
EBRON, VA

Mountain Water District

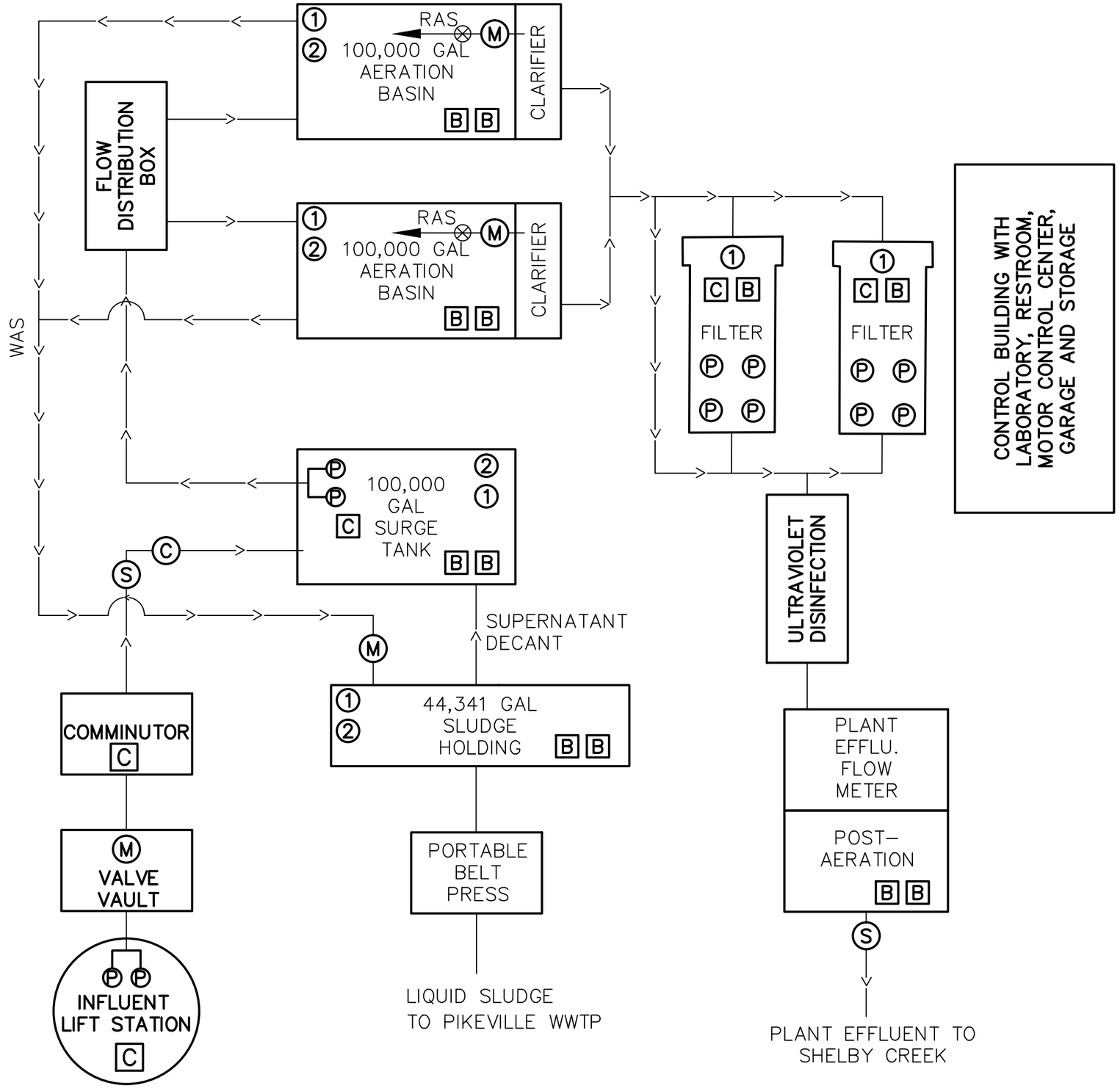
Lower Shelby 201 Facility Plan Update
Existing Wastewater System

DATE:
SCALE: As Noted
DRAWN BY:
CHECKED:
PROJECT NO:

SHEET:
EX 6-1
OF:

LEGEND

- [B] BLOWER
- [C] CONTROL PANEL
- (P) PUMP
- (M) FLOW METER
- (S) SAMPLER
- (C) COMMINUTER



DESCRIPTION OF REVISION | DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HAZARD, KY
CHARLESTON, WV
LOGAN, WV
EBRON, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Douglas WWTP Existing Schematic Layout

DATE:
SCALE: NTS
DRAWN BY:
CHECKED:
PROJECT NO:
SHEET:
EX 6–2
OF:

LEGEND

- Existing Sewer Line
- Existing WWTP
- Existing Lift Station
- Upgrade Existing Lift Station
- Proposed Lift Station
- Buckfield
- Branham Heights
- Shelbiana
- Little Creek
- Robinson Creek
- Sugar Camp
- Little Robinson
- Caney / Penny Line Upgrade
- Indian Creek – Section 1
- Indian Creek – Section 2
- Indian Creek – Section 3
- Jonancy – Section 2
- Long Fork – Section 2
- Caney Creek – Section 1
- Caney Creek – Section 2
- Caney Creek – Section 3
- Existing Lower Shelby 201 Area
- Proposed Lower Shelby 201 Area Addition

SHELBIANA

US 460

VIRGIE

US 23

N

0 6000 12000

GRAPHIC SCALE: 1" = 6000'

DESCRIPTION OF REVISION

DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HAZARD, KY
CHARLESTON, WV
LOGAN, WV
EBRON, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Proposed Collection System Map – All Projects

DATE:
SCALE: As Noted
DRAWN BY:
CHECKED:
PROJECT NO:

SHEET:
EX 8A-1
OF:

Existing Fence / Property Line

Aeration Basins

Aeration Basins

Flow Eq.

Filter Aeration

Control Building

Sludge Holding Tank

US 23

0 40 80

GRAPHIC SCALE: 1" = 40'

DESCRIPTION OF REVISION	DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HENDERSON, KY
CHARLESTON, WV
ASHLAND, WV
EMORY, VA

Mountain Water District

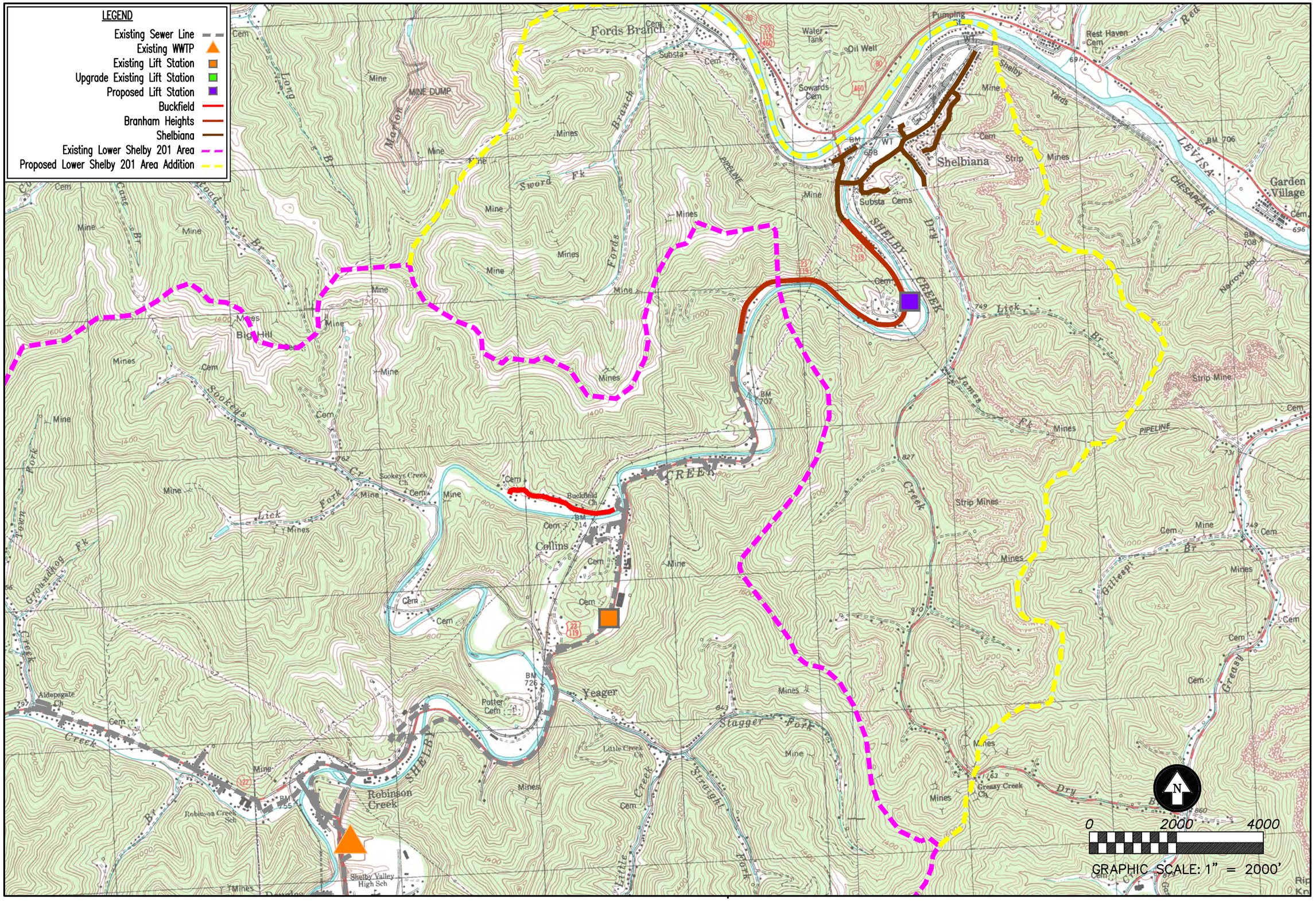
Lower Shelby 201 Facilty Plan Update
Existing Douglas WWTP Limited Land Area Exhibit

DATE:	
SCALE:	As Noted
DRAWN BY:	
CHECKED:	
PROJECT NO:	

SHEET:

EX 8B-1

OF:



DESCRIPTION OF REVISION

DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HUNTINGTON, WV
CHARLESTON, WV
EDGAR, WV
EMORY, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Selected Plan Phasing Map (0-2 Year Projects)

DATE:
SCALE: As Noted
DRAWN BY:
CHECKED:
PROJECT NO:

SHEET:
EX 8C-1
OF:

LEGEND

- Existing Sewer Line
- Existing WWTP
- Existing Lift Station
- Upgrade Existing Lift Station
- Proposed Lift Station
- Little Creek
- Robinson Creek
- Sugar Camp
- Little Robinson
- Existing Lower Shelby 201 Area
- Proposed Lower Shelby 201 Area Addition

0 3000 6000

GRAPHIC SCALE: 1" = 3000'

DESCRIPTION OF REVISION	DATE

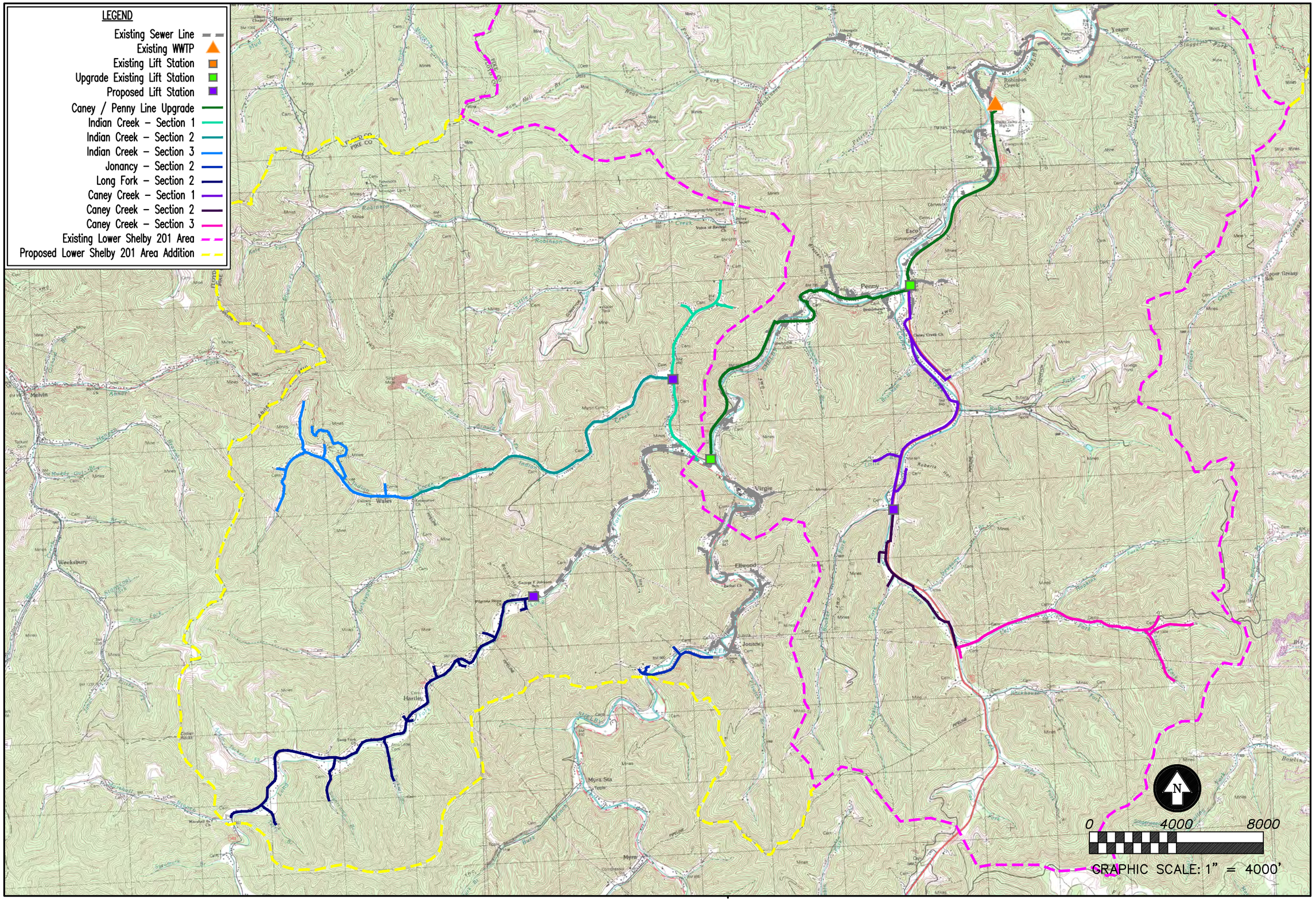
SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HENDERSONVILLE, TN
CHARLESTON, WV
EDEN, NC
EMORY, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Selected Plan Phasing Map (3-10 Year Projects)

DATE:	
SCALE:	As Noted
DRAWN BY:	
CHECKED:	
PROJECT NO:	
SHEET:	EX 8C-2
OF:	



DESCRIPTION OF REVISION	DATE

SUMMIT ENGINEERING, INC.

LEXINGTON, KY
PIKEVILLE, KY
HUNTINGTON, WV
CHARLESTON, WV
LEBANON, VA
EMORY, VA

Mountain Water District

Lower Shelby 201 Facility Plan Update
Selected Plan Phasing Map (11-20 Year Projects)

DATE:
SCALE: As Noted
DRAWN BY:
CHECKED:
PROJECT NO:

SHEET:
EX 8C-3
OF: