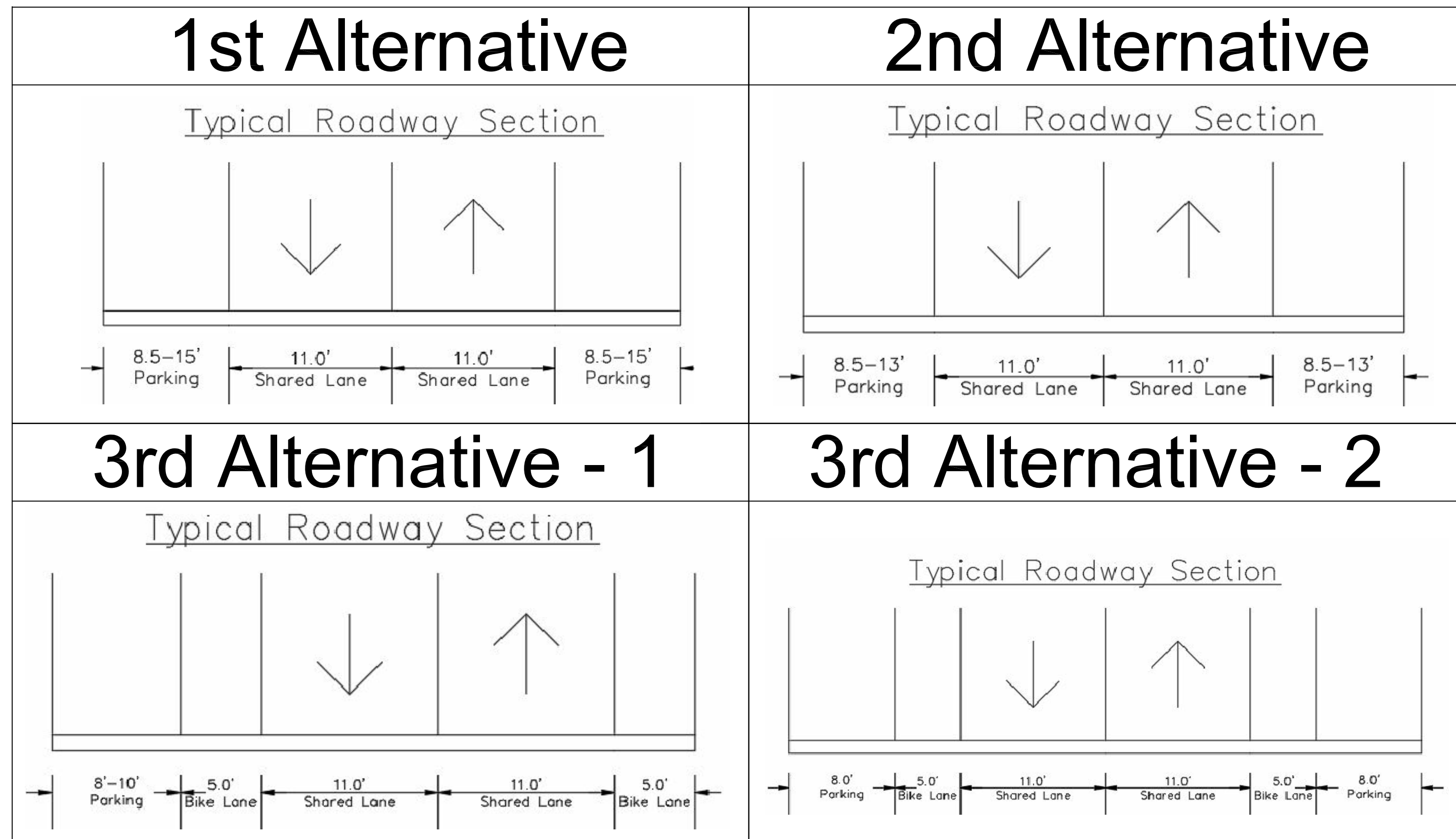
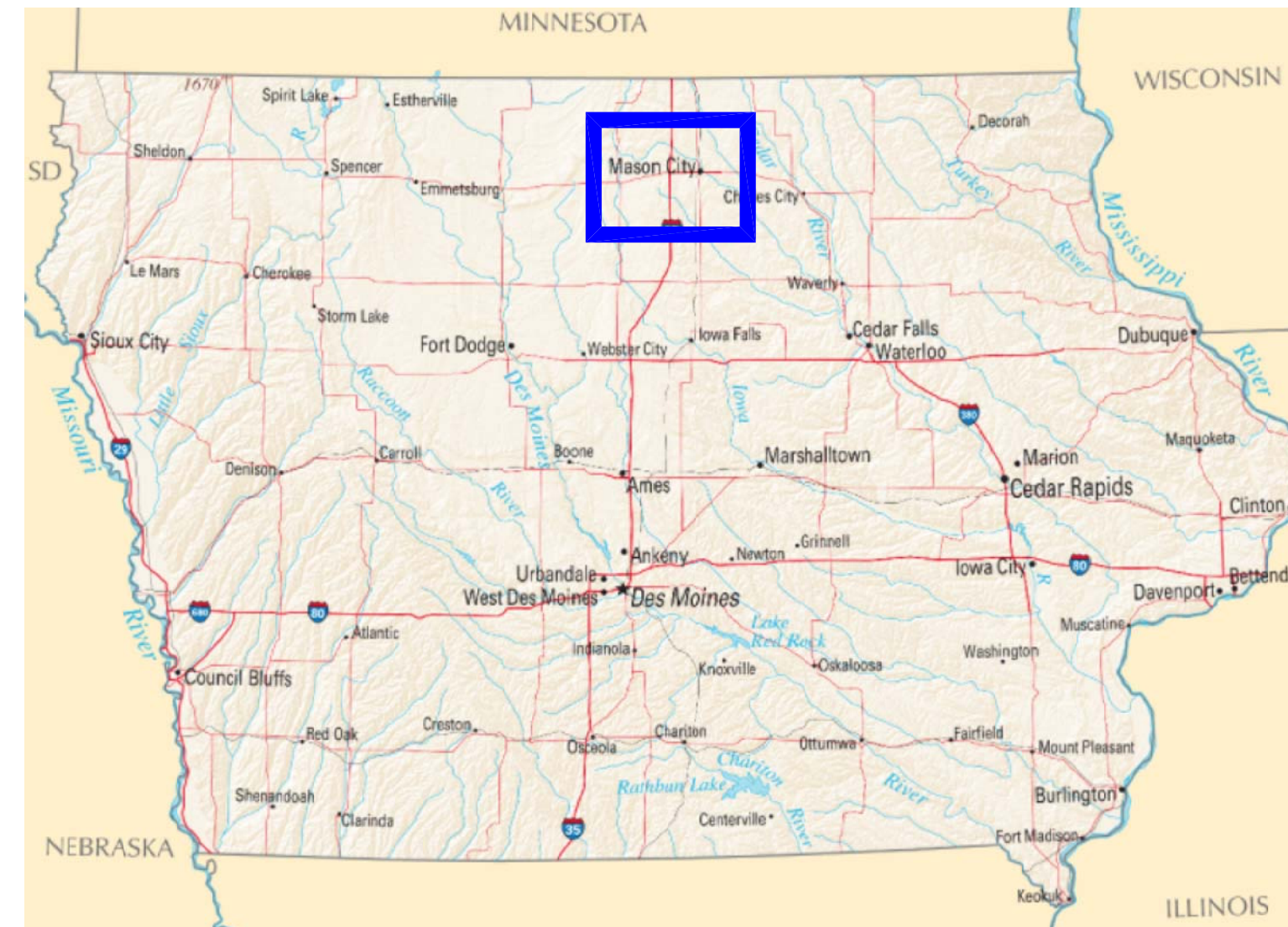


Pennsylvania Ave - Complete Street Corridor Redesign



SITE LOCATION



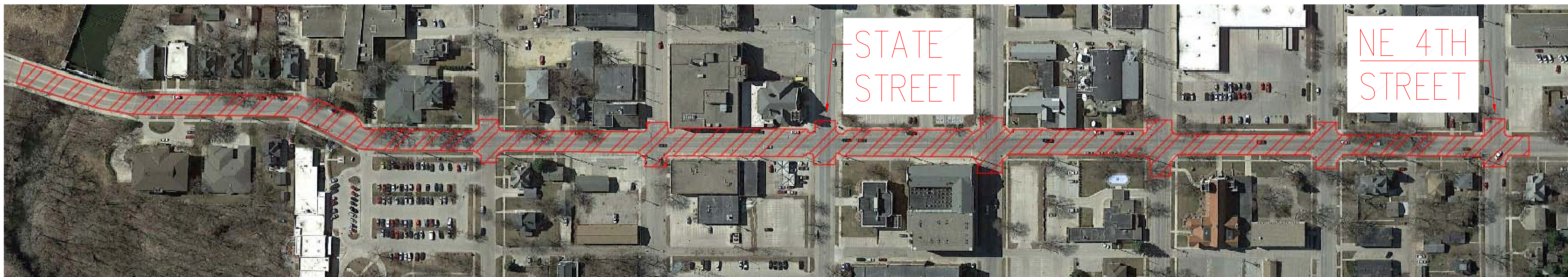
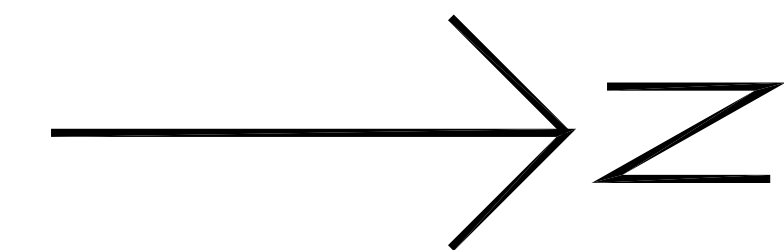
MASON CITY, IA

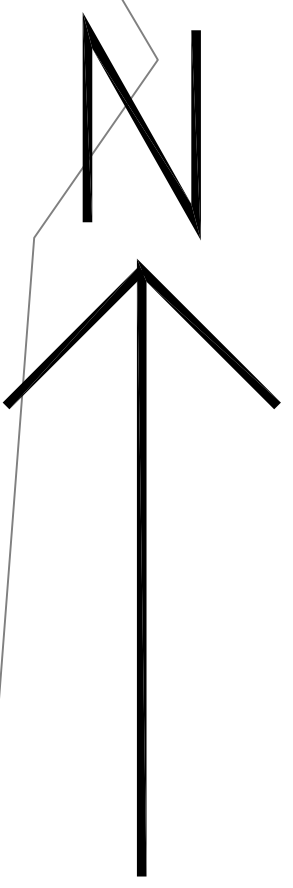
Sheet List	
Sheet No.	Sheet Name
CS	COVER SHEET
A1-1	ALTERNATIVE 1 - PAGE 1
A1-2	ALTERNATIVE 1 - PAGE 2
A1-3	ALTERNATIVE 1 - PAGE 3
A1-4	ALTERNATIVE 1 - PAGE 4
A2-1	ALTERNATIVE 2 - PAGE 1
A2-2	ALTERNATIVE 2 - PAGE 2
A2-3	ALTERNATIVE 2 - PAGE 3
A2-4	ALTERNATIVE 2 - PAGE 4
A2-EX	ALTERNATIVE 2 - TT EXHIBIT
A3-1	ALTERNATIVE 3 - PAGE 1
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A3-4	ALTERNATIVE 3 - PAGE 4
A3-EX	ALTERNATIVE 3 - TT EXHIBIT
DET1	DETAIL DRAWINGS - PAGE 1
DET2	DETAIL DRAWINGS - PAGE 2
DET3	DETAIL DRAWINGS - PAGE 3



EDUCATIONAL - NOT FOR CONSTRUCTION

SITE AERIAL





SCALE - 3/8":1'

PENNSYLVANIA AVE

NE 4th STREET

PENNSYLVANIA AVE

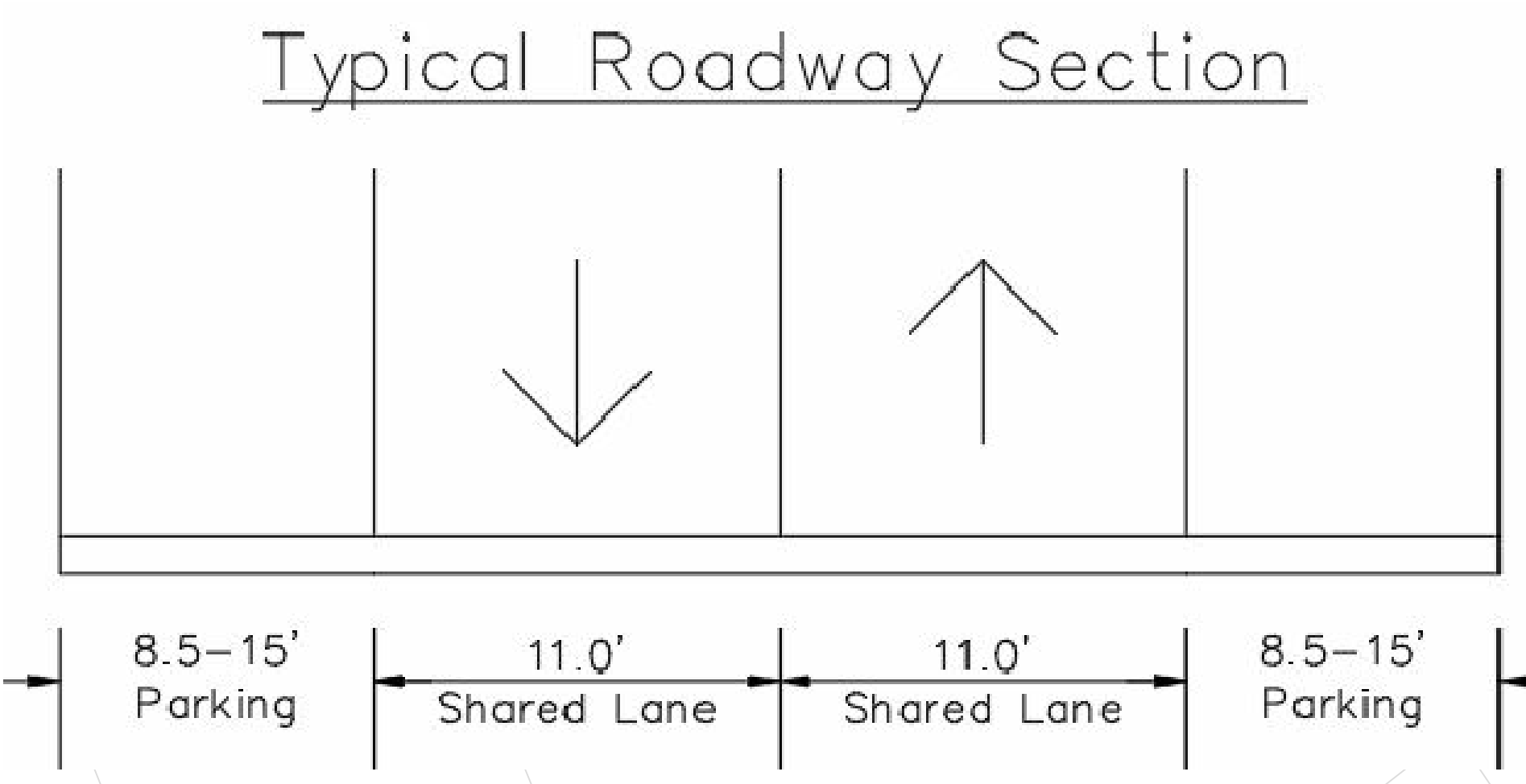
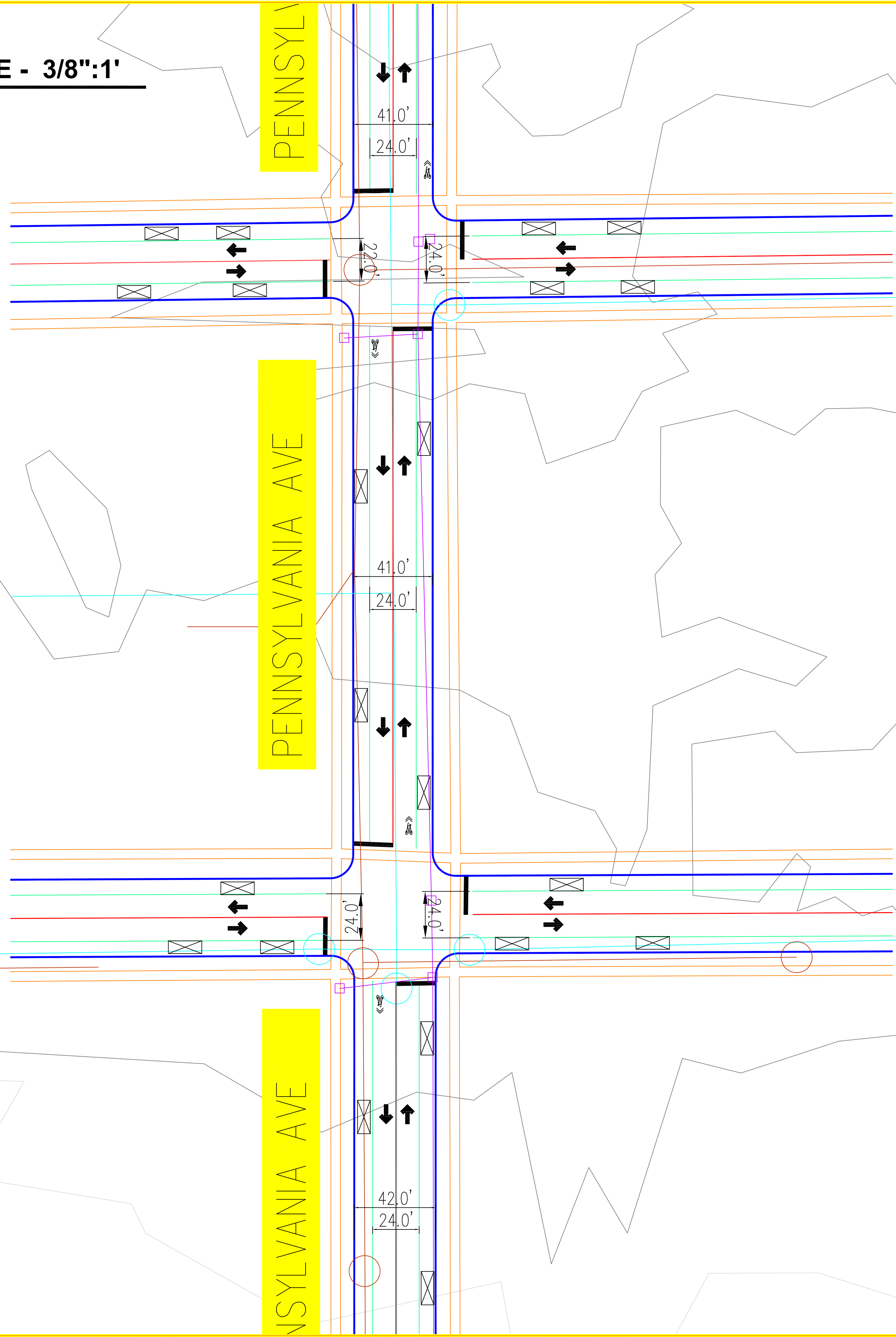
NE 3rd STREET

PENNSYLVANIA AVE

LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- SIDEWALK OUTLINE
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
- WATER MAIN
- STORM INTAKE
- STORM MAIN
- LIGHT POLE
- PARKED DESIGN VEHICLE (6' 7" BY 17' 3")
- CAR TRAVEL LANE DIRECTION
- SHARED BIKE LANE SYMBOL

ALL SIDEWALKS ARE 5' WIDE UNLESS STATED IN DRAWING
 ALL DIMENSIONS ARE ROUNDED TO FIRST DECIMAL PLACE



PROJECT: CEE: 4850
 DATE: 04/18/2018
 DRAWN BY: JC, JC, & AH
 REVISION:

THE UNIVERSITY OF IOWA
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 4105 SEAMANS CENTER FOR THE
 ENGINEERING ARTS AND SCIENCES
 103 S CAPITOL ST
 IOWA CITY, IOWA 52242
 PHONE: 319.335.5647
 FAX: 319.335.5660
 EMAIL: civil-hawks@iowa.edu

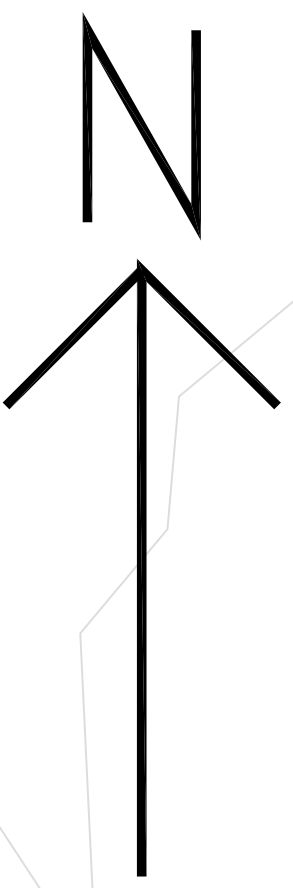


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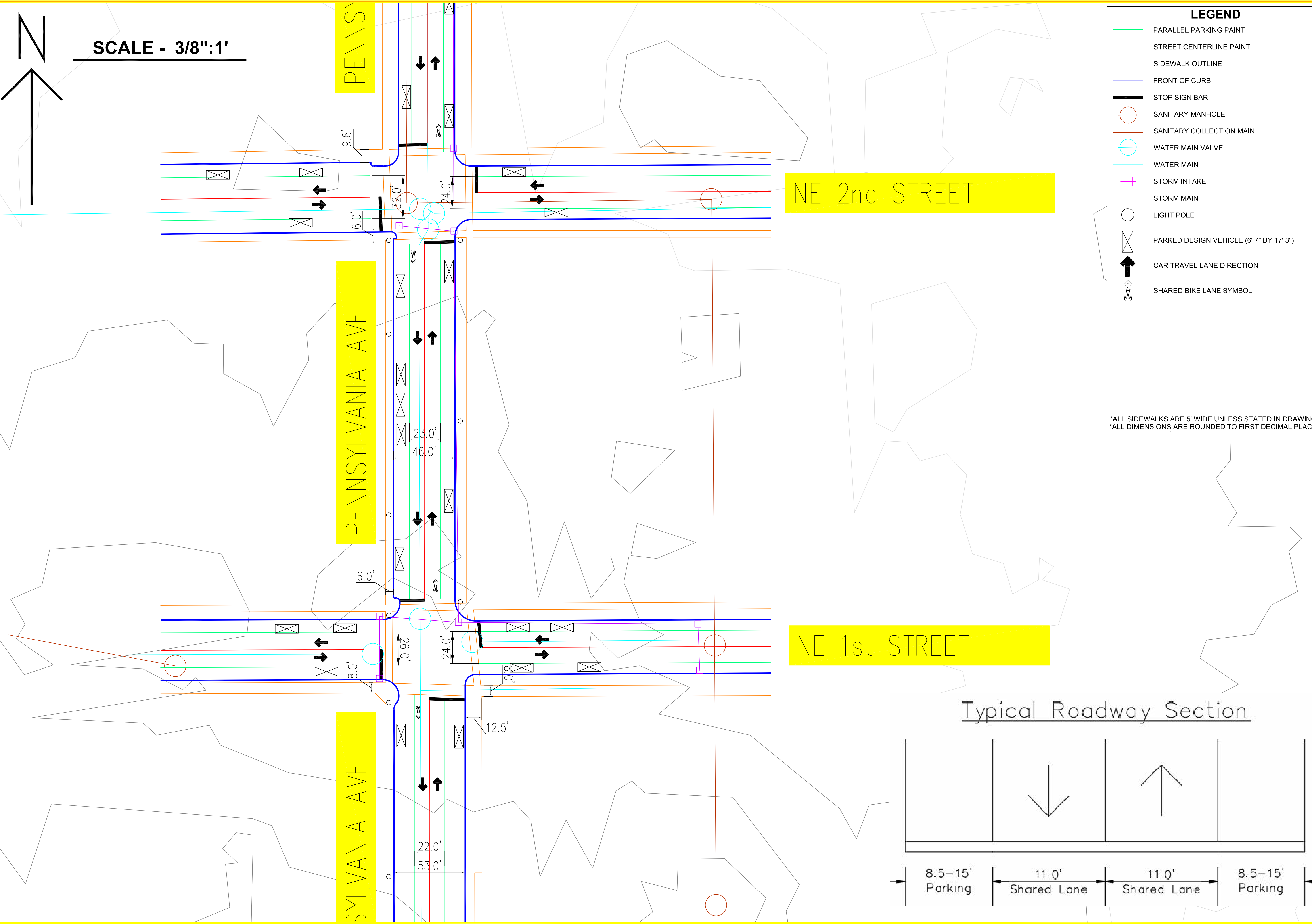
STREET REDESIGN
 PENNSYLVANIA AVE.
 MASON CITY, IA

SHEET NAME
 ALTERNATIVE 1
 PAGE 1

SHEET NO.
A1-1



SCALE - 3/8":1'



LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- SIDEWALK OUTLINE
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
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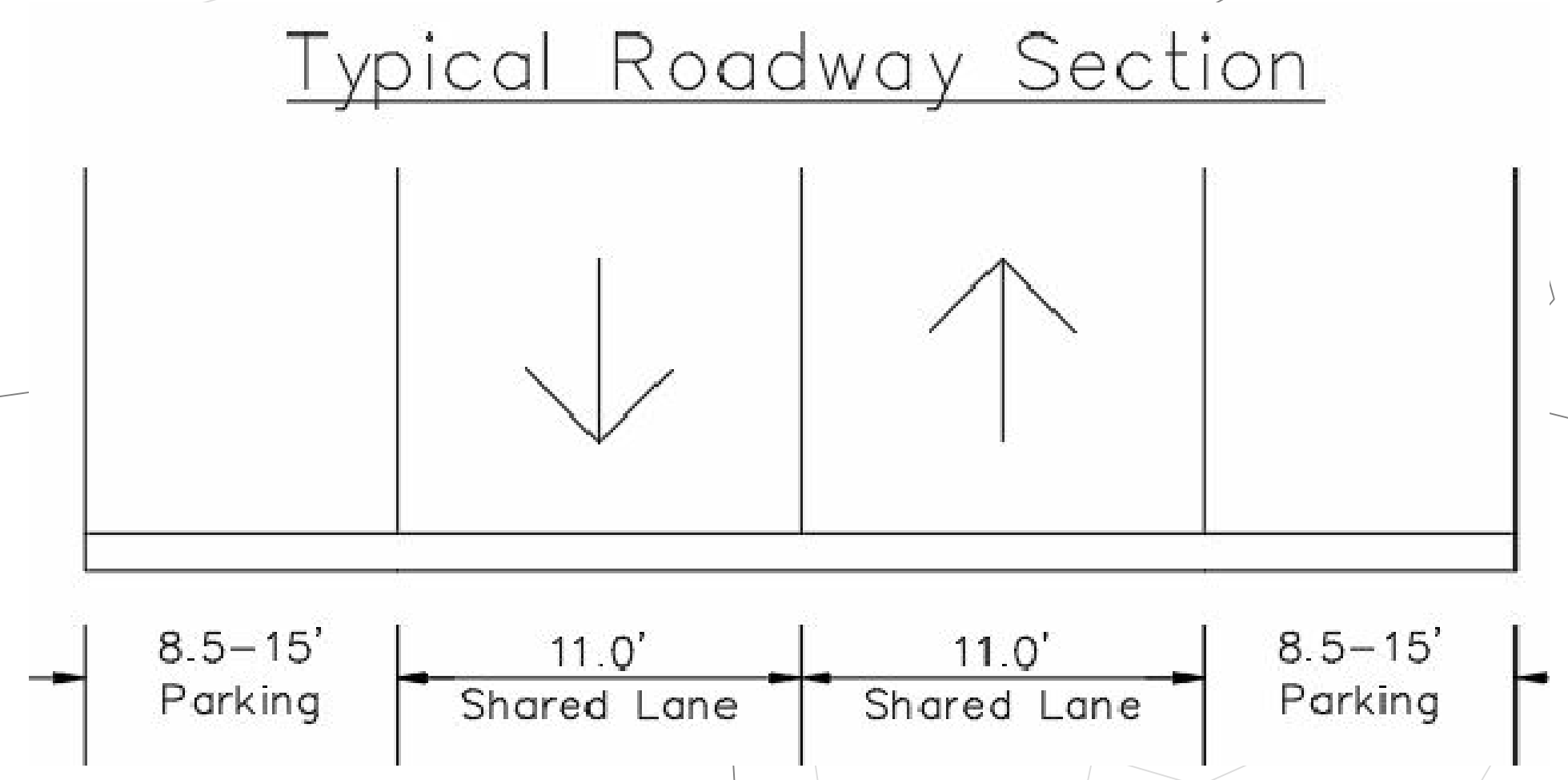
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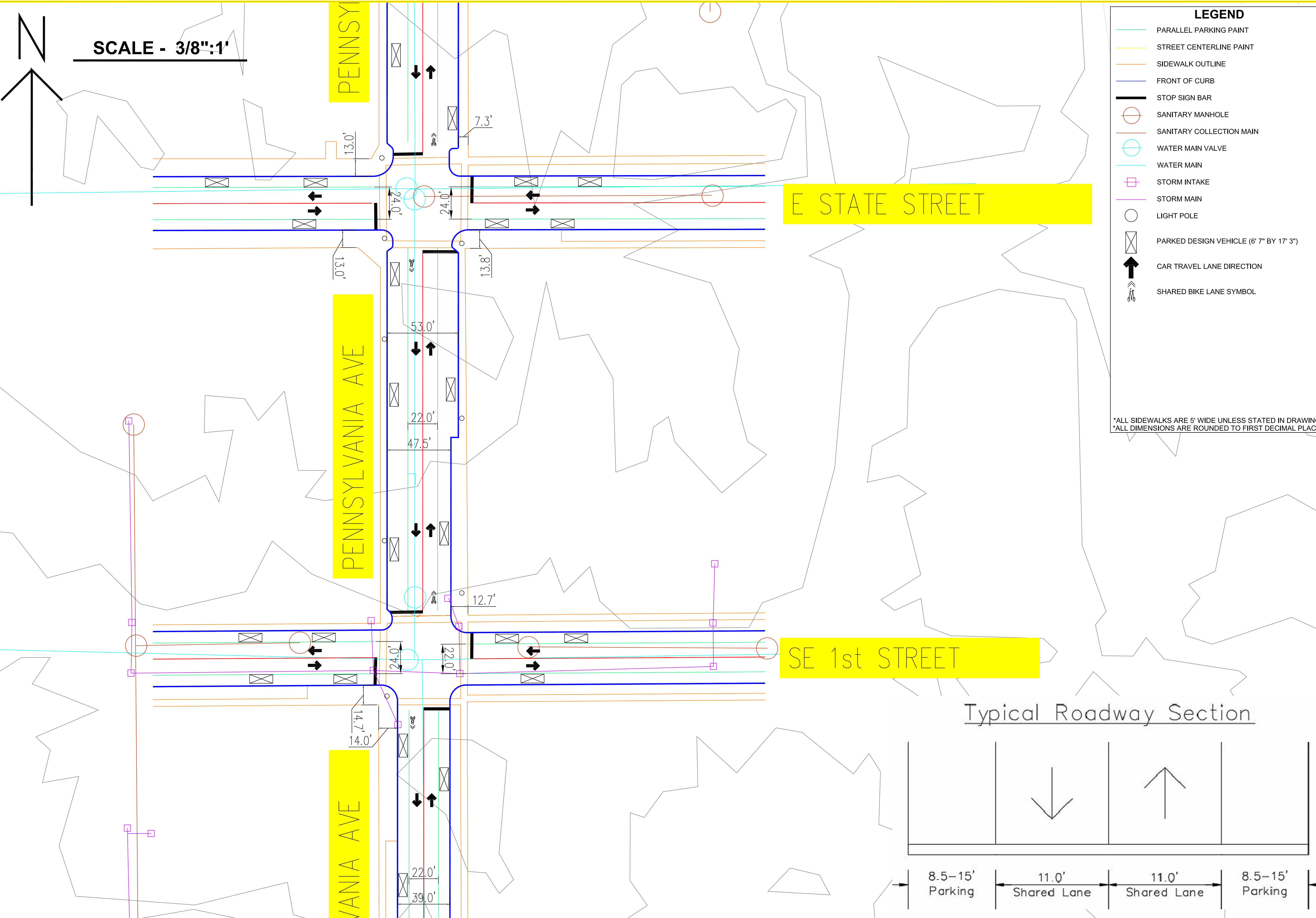
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STREET REDESIGN
 PENNSYLVANIA AVE.
 MASON CITY, IA



SHEET NAME
 ALTERNATIVE 1
 PAGE 2

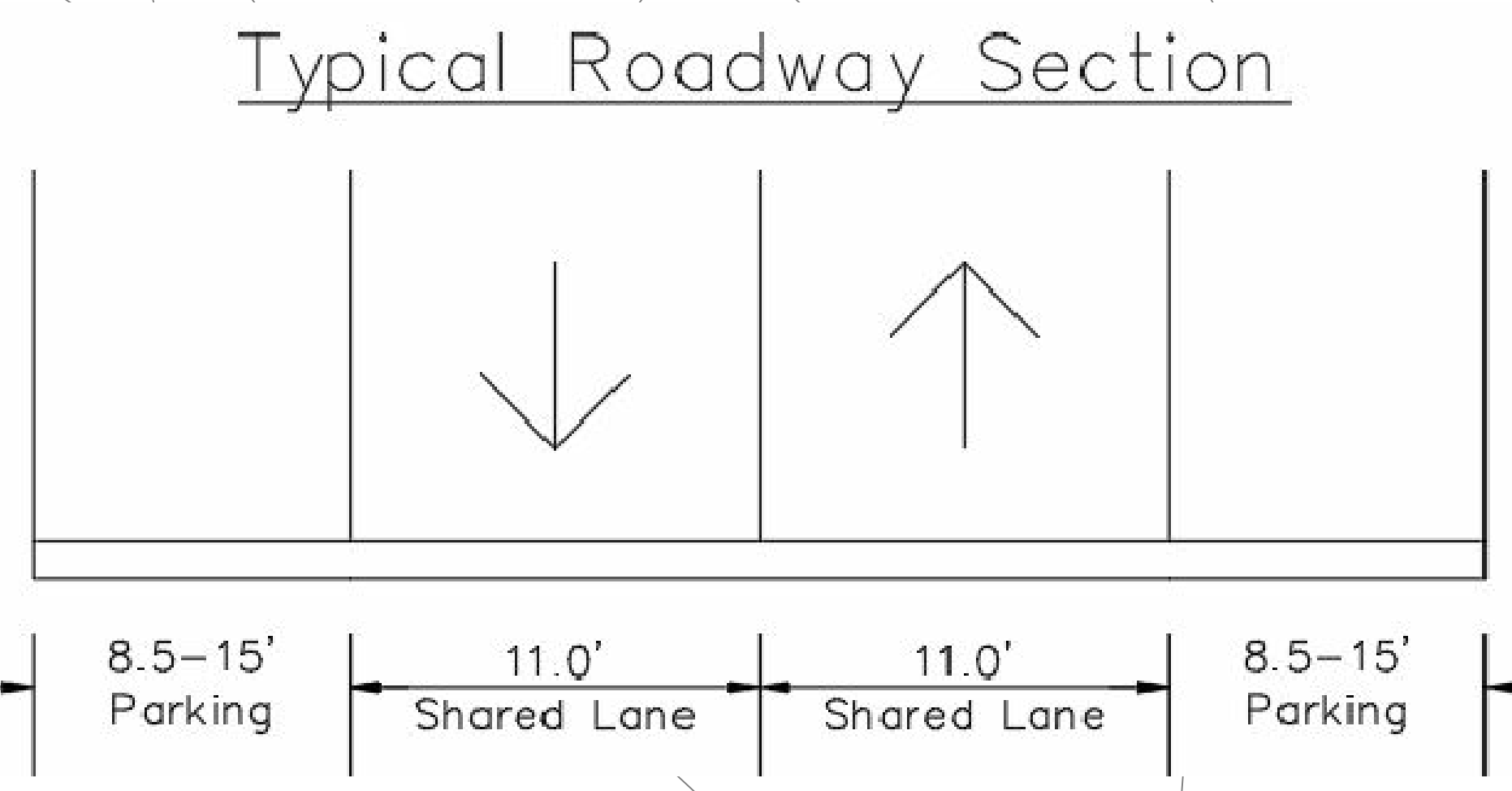
SHEET NO.
A1-2



LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- SIDEWALK OUTLINE
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
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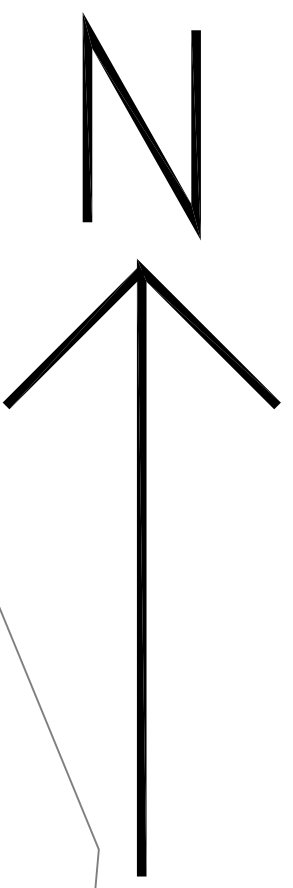
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STREET REDESIGN

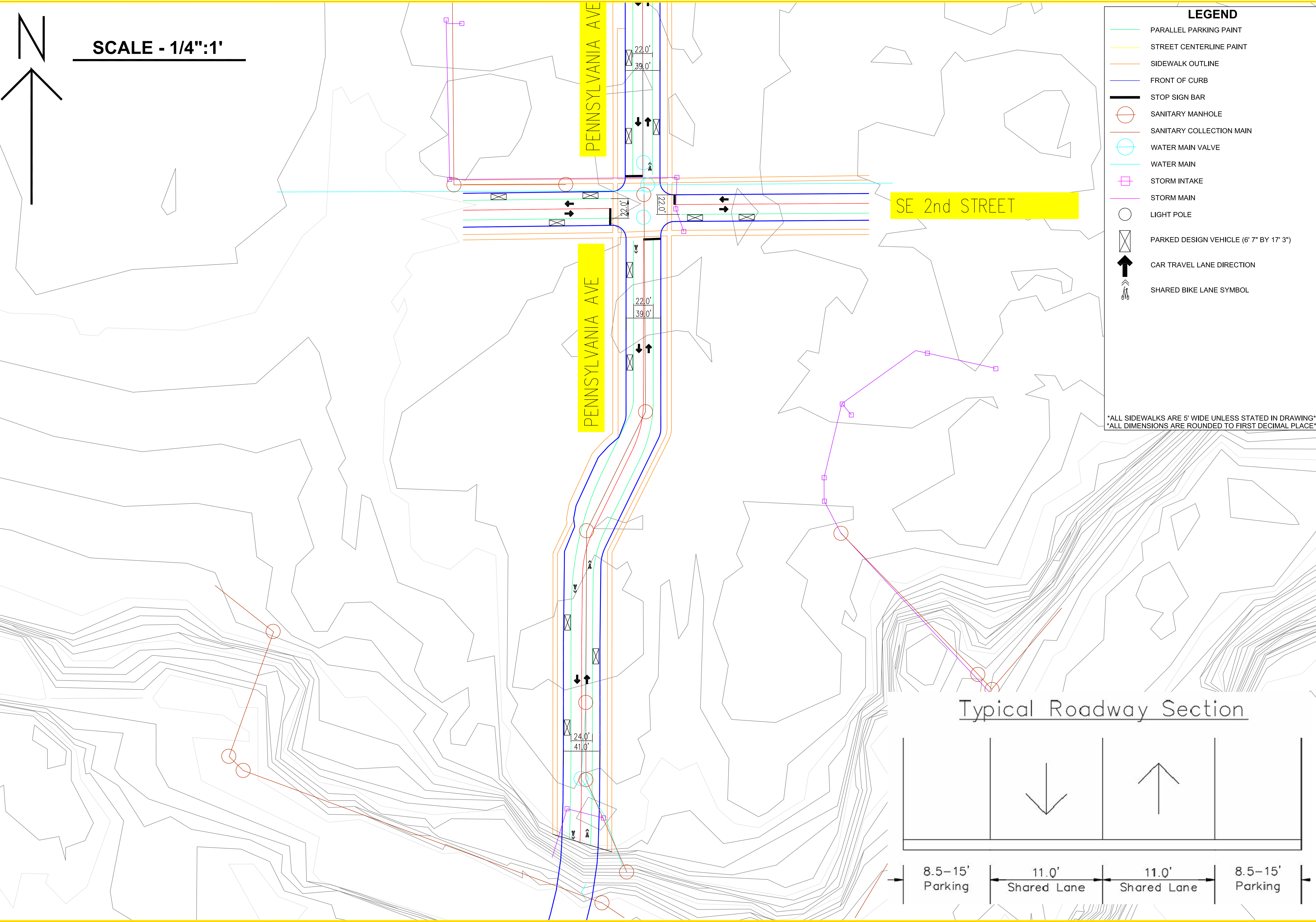
PENNSYLVANIA AVE.
 MASON CITY, IA

SHEET NAME
 ALTERNATIVE 1
 PAGE 3

SHEET NO.
A1-3



SCALE - 1/4":1'



LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- SIDEWALK OUTLINE
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
- WATER MAIN
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- STORM MAIN
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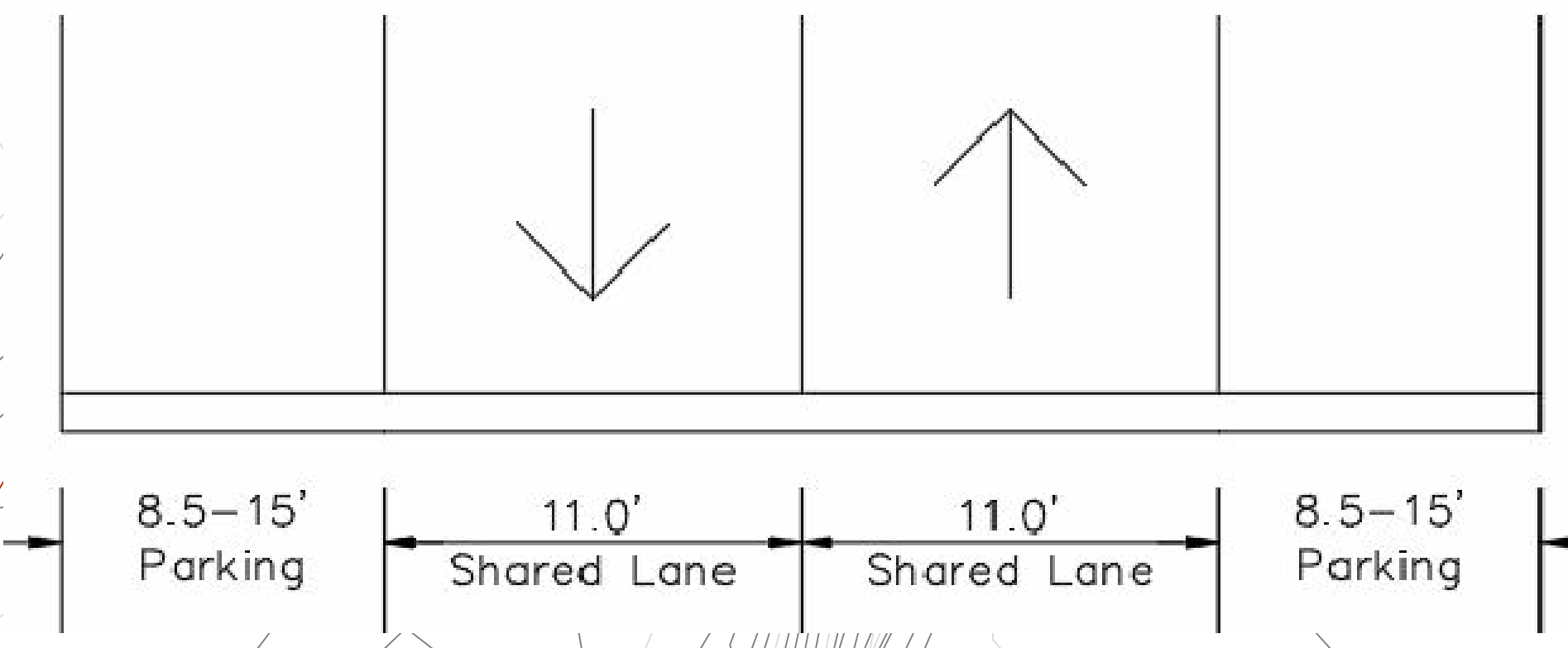
ALL SIDEWALKS ARE 5' WIDE UNLESS STATED IN DRAWING
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SE 2nd STREET

PENNSYLVANIA AVE

PENNSYLVANIA AVE

Typical Roadway Section



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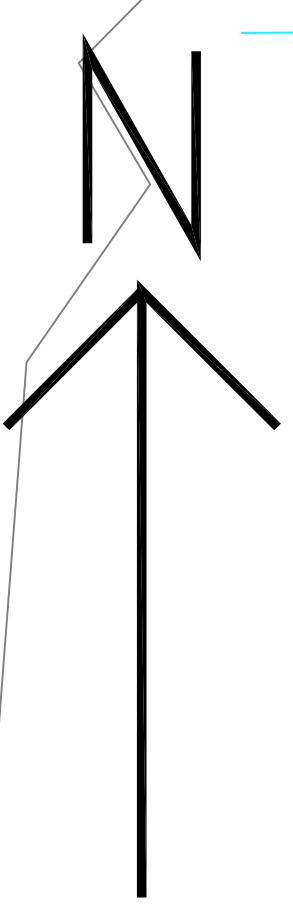


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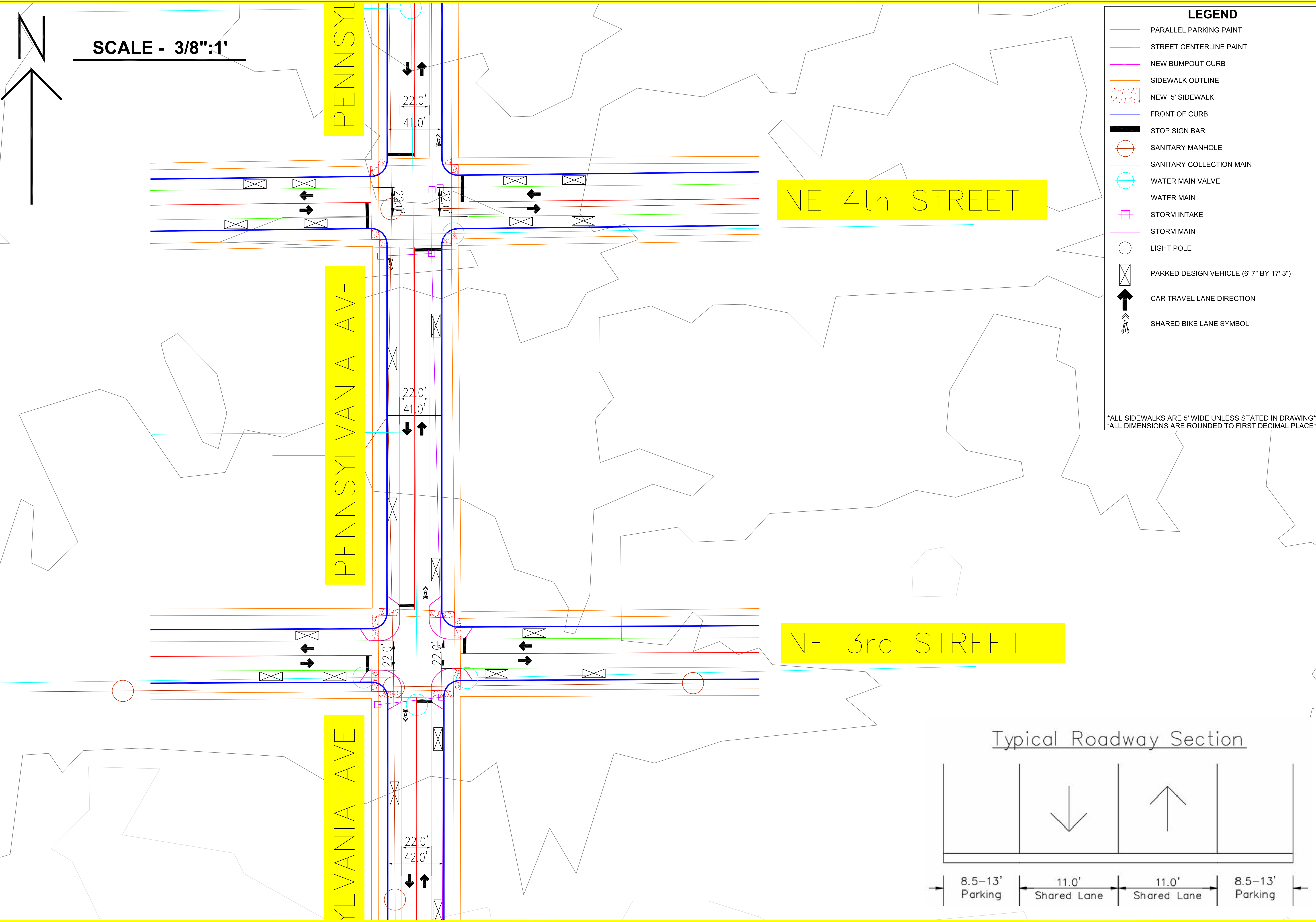
STREET REDESIGN
 PENNSYLVANIA AVE.
 MASON CITY, IA

SHEET NAME
 ALTERNATIVE 1
 PAGE 4

SHEET NO.
A1-4



SCALE - 3/8"=1'




LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
- WATER MAIN
- STORM INTAKE
- STORM MAIN
- LIGHT POLE
- PARKED DESIGN VEHICLE (6' 7" BY 17' 3")
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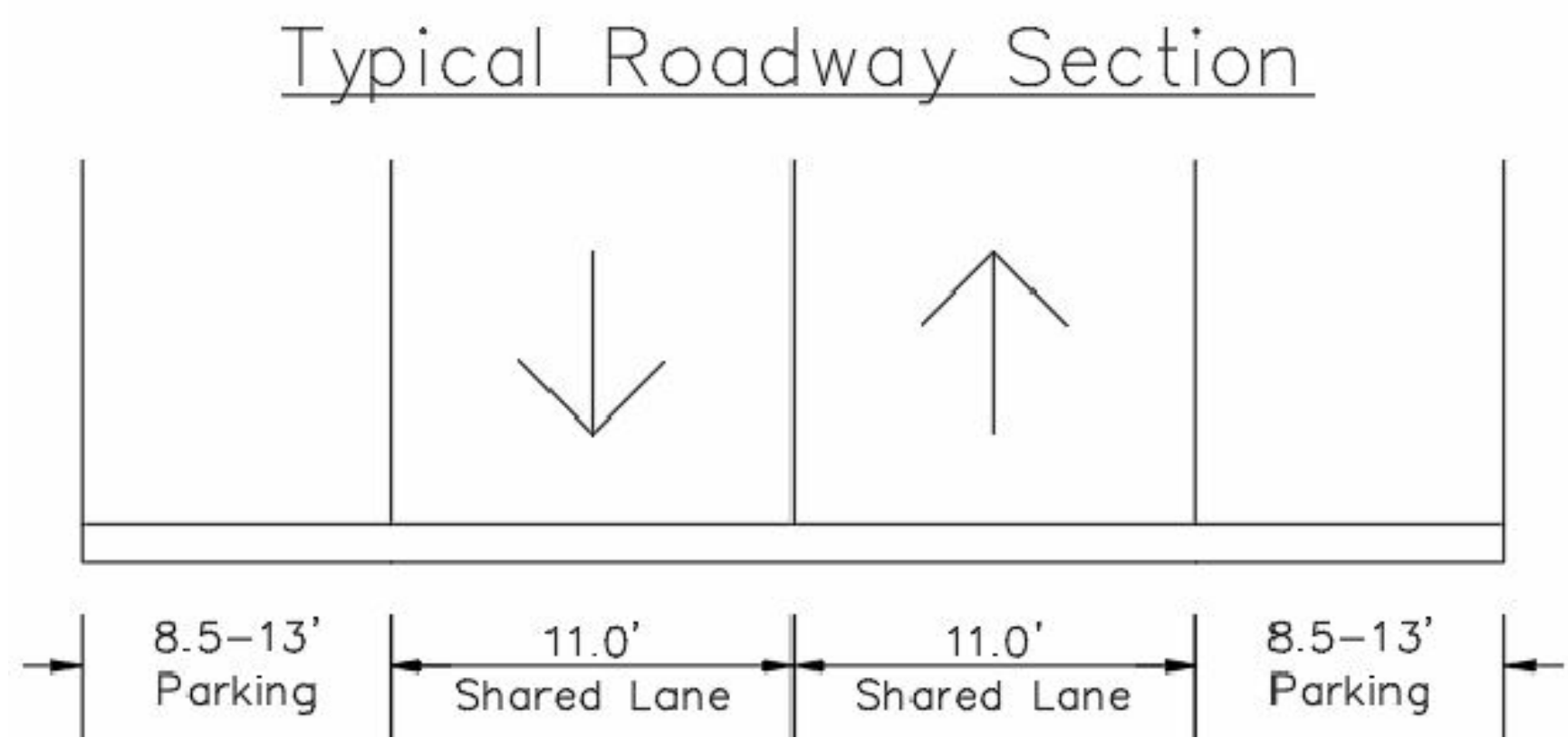
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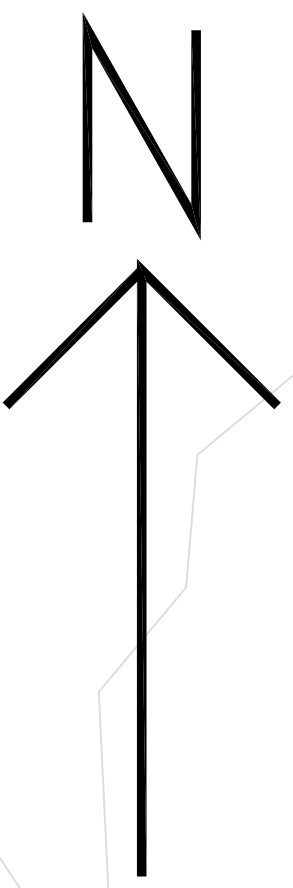
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 MASON CITY, IA

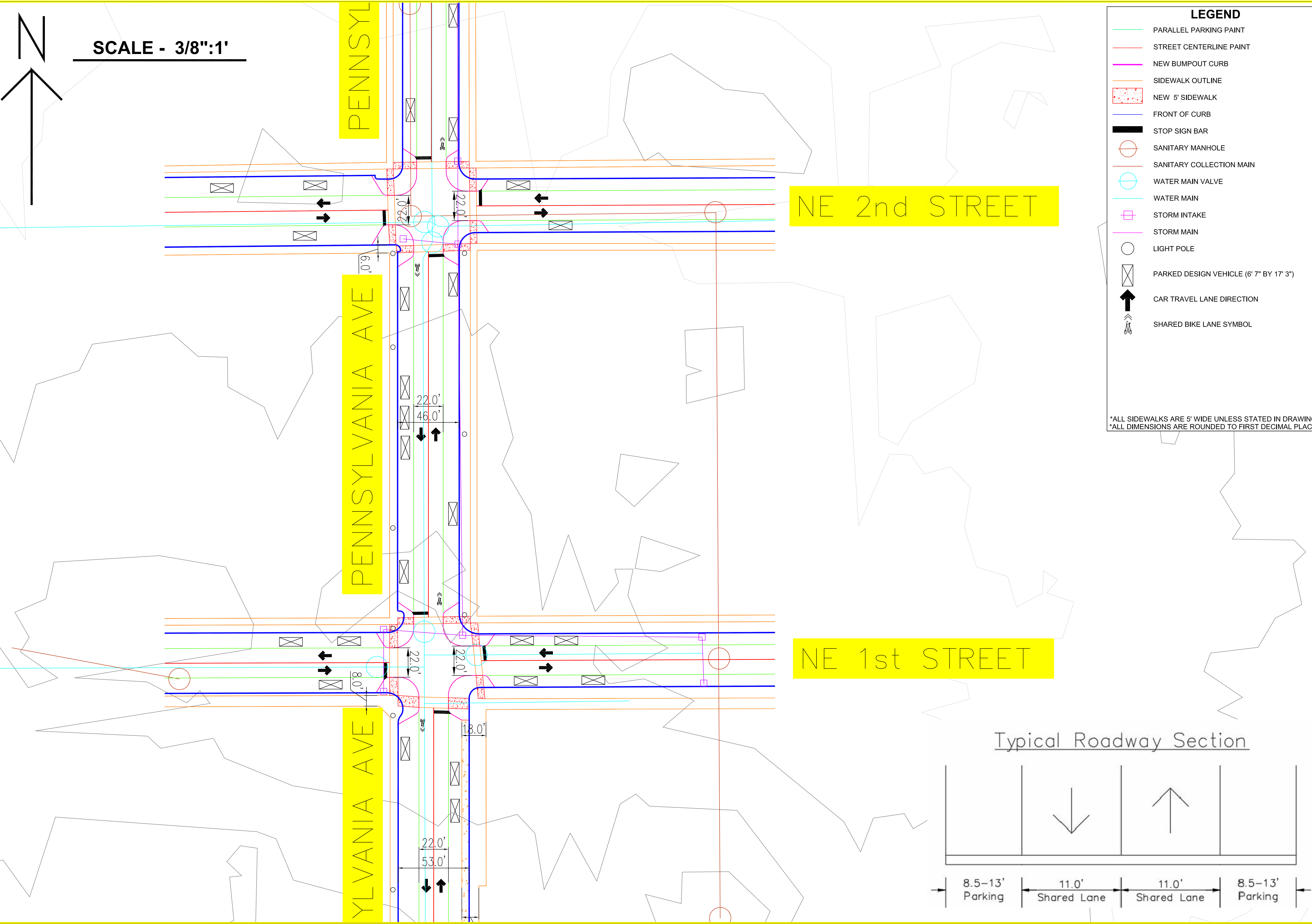


SHEET NAME
ALTERNATIVE 2
PAGE1

SHEET NO.
A2-1



SCALE - 3/8":1'



LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
- WATER MAIN
- STORM INTAKE
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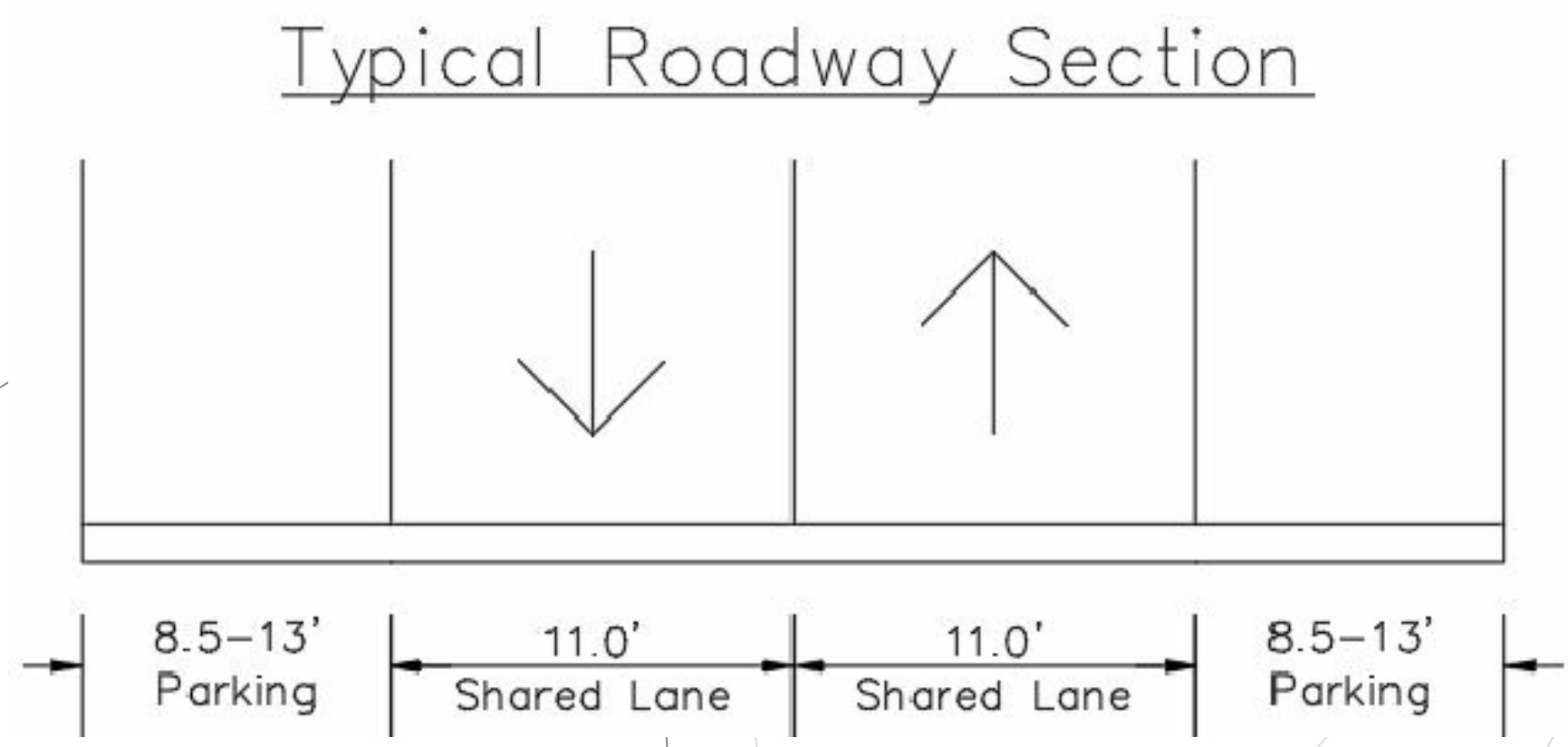
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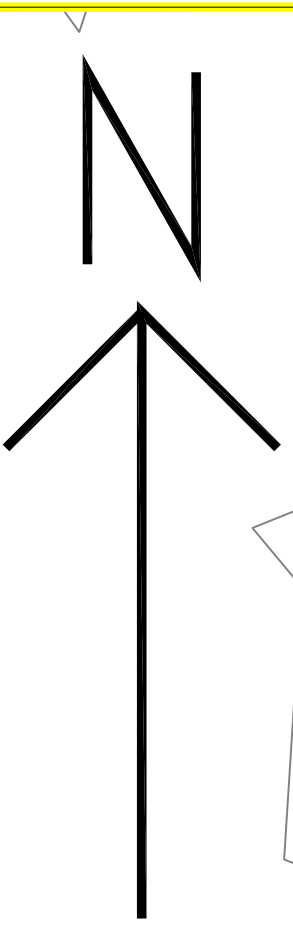
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STREET REDESIGN
 PENNSYLVANIA AVE.
 MASON CITY, IA



SHEET NAME
 ALTERNATIVE 2
 PAGE 2

SHEET NO.
A2-2



SCALE - 3/8":1'

PENNSYLVANIA

E STATE STREET

PENNSYLVANIA AVE

SE 1st STREET

VANIA AVE

LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
- WATER MAIN
- STORM INTAKE
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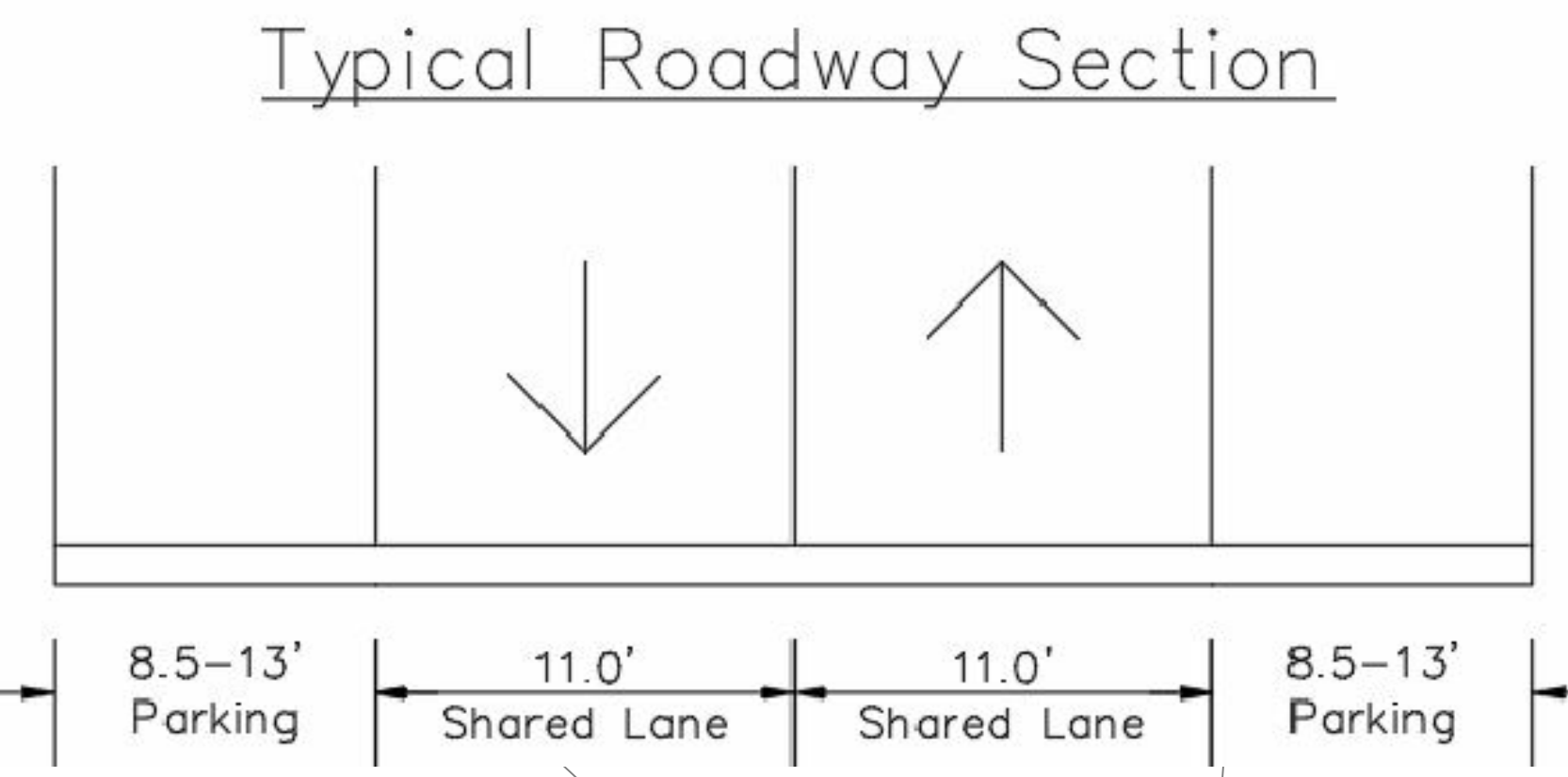


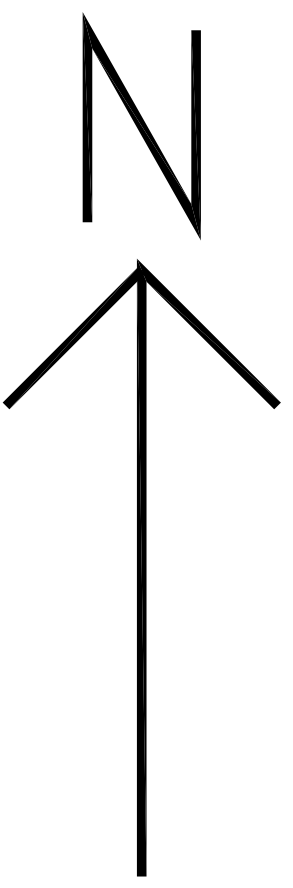
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STREET REDESIGN
 PENNSYLVANIA AVE.
 MASON CITY, IA

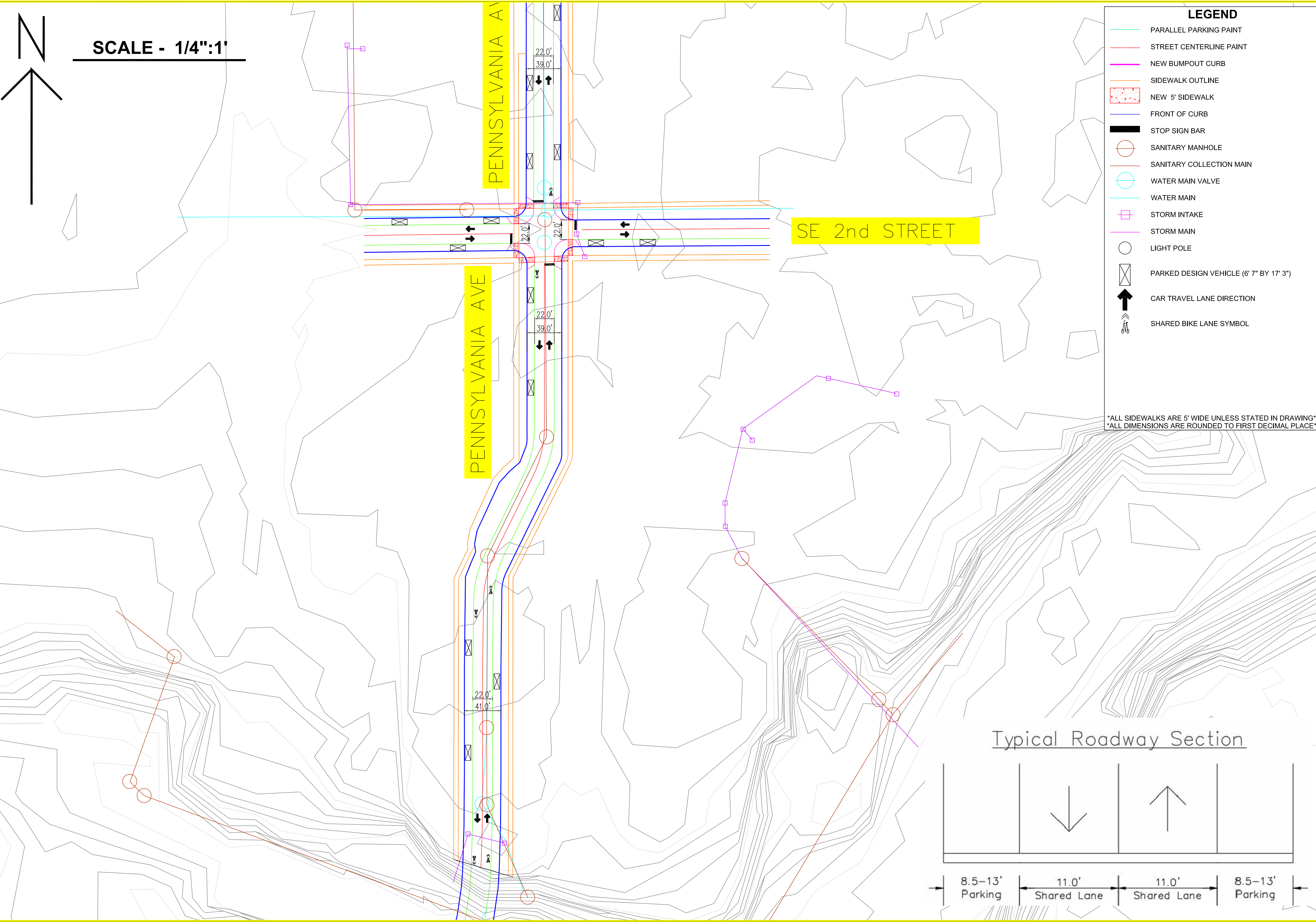
SHEET NAME
 ALTERNATIVE 2
 PAGE 3

SHEET NO.
A2-3





SCALE - 1/4":1'




LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
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PROJECT:	CEE: 4850
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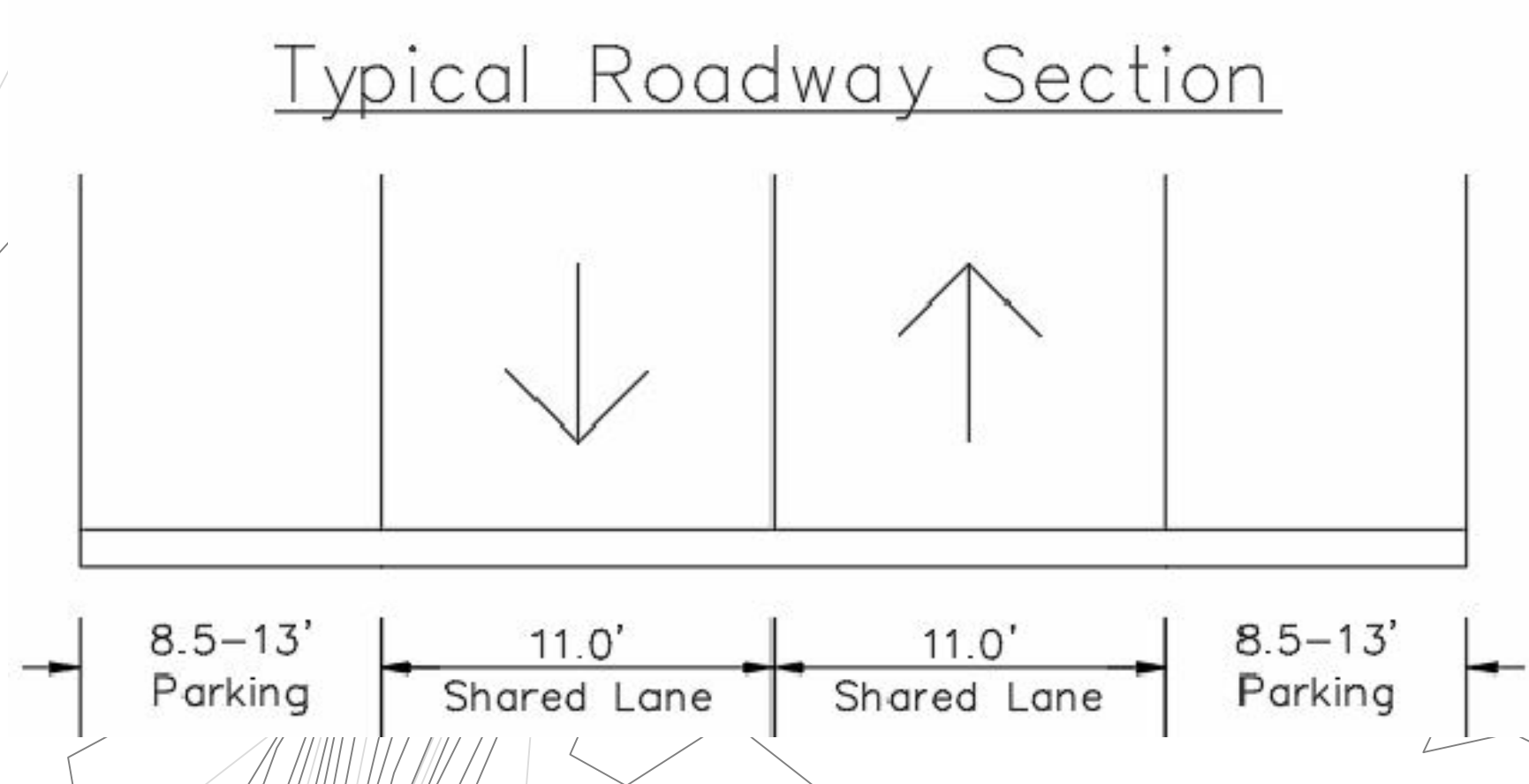


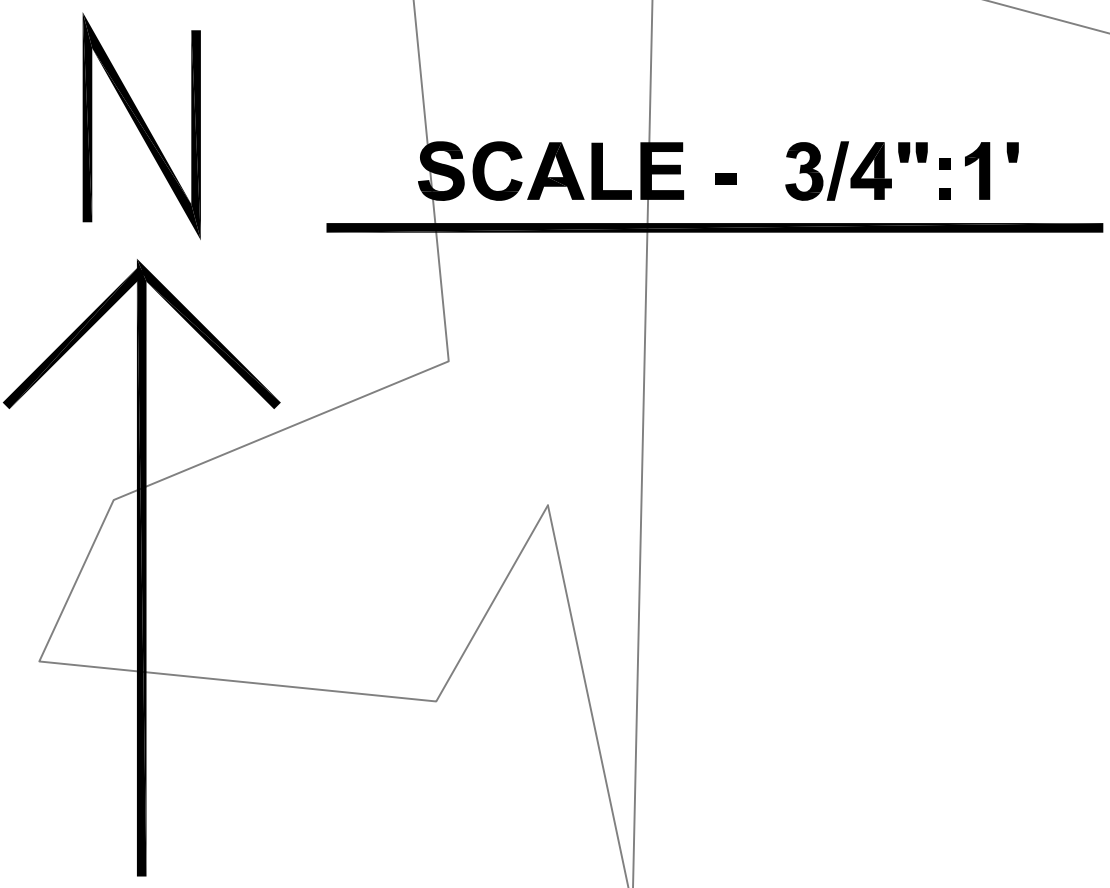
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STREET REDESIGN
 PENNSYLVANIA AVE.
 MASON CITY, IA

SHEET NAME
 ALTERNATIVE 2
 PAGE 4

SHEET NO.
A2-4





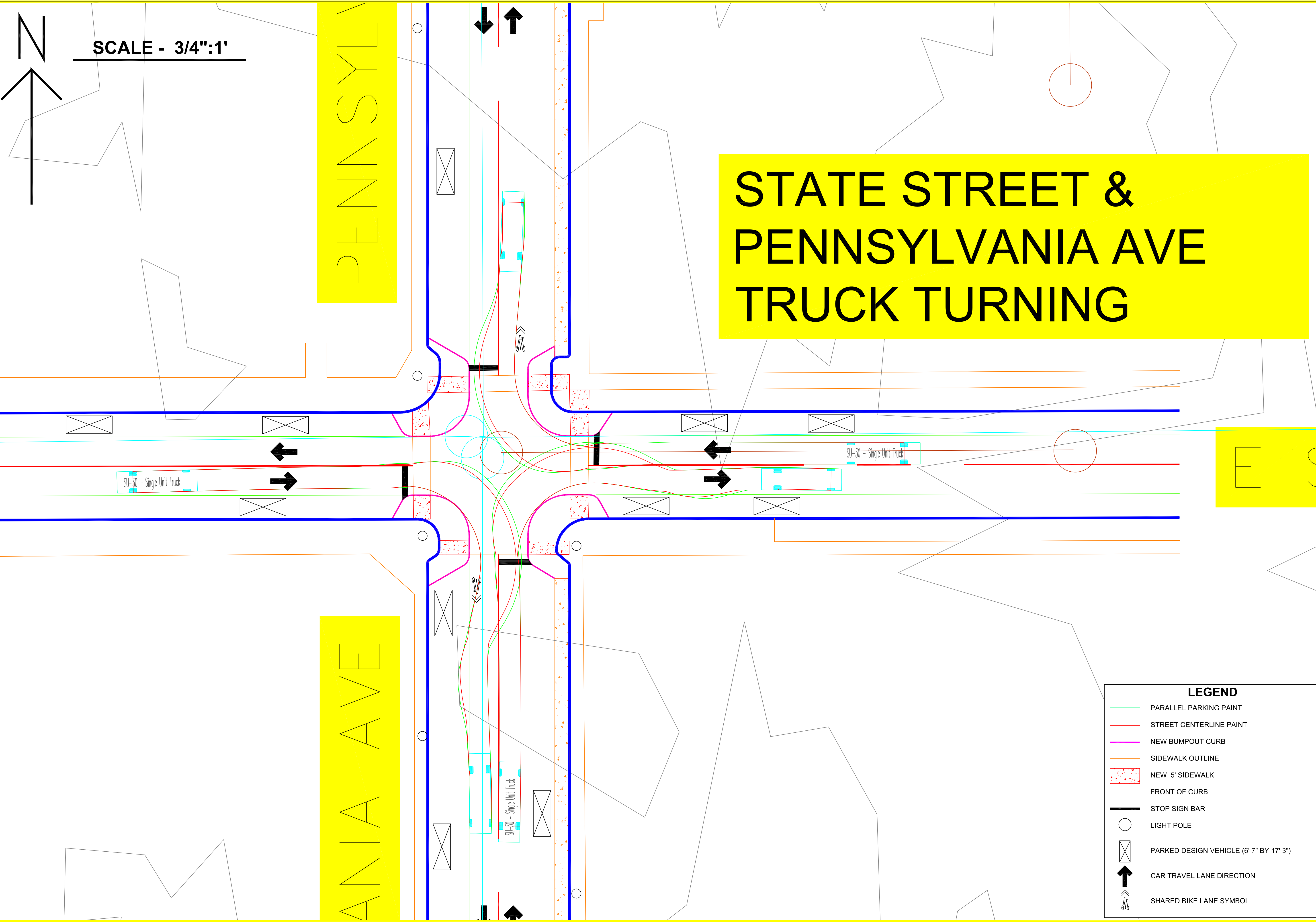
PENNSYLVANIA AVE

STATE STREET & PENNSYLVANIA AVE TRUCK TURNING

E S

PENNSYLVANIA AVE

LEGEND	
	PARALLEL PARKING PAINT
	STREET CENTERLINE PAINT
	NEW BUMPOUT CURB
	SIDEWALK OUTLINE
	NEW 5' SIDEWALK
	FRONT OF CURB
	STOP SIGN BAR
	LIGHT POLE
	PARKED DESIGN VEHICLE (6' 7" BY 17' 3")
	CAR TRAVEL LANE DIRECTION
	SHARED BIKE LANE SYMBOL



PROJECT:	CEE: 4850
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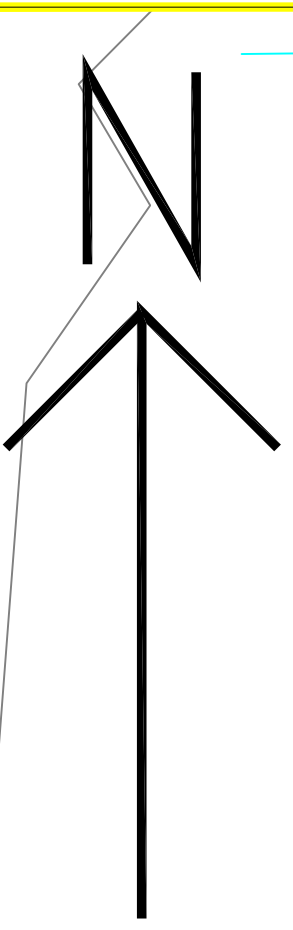


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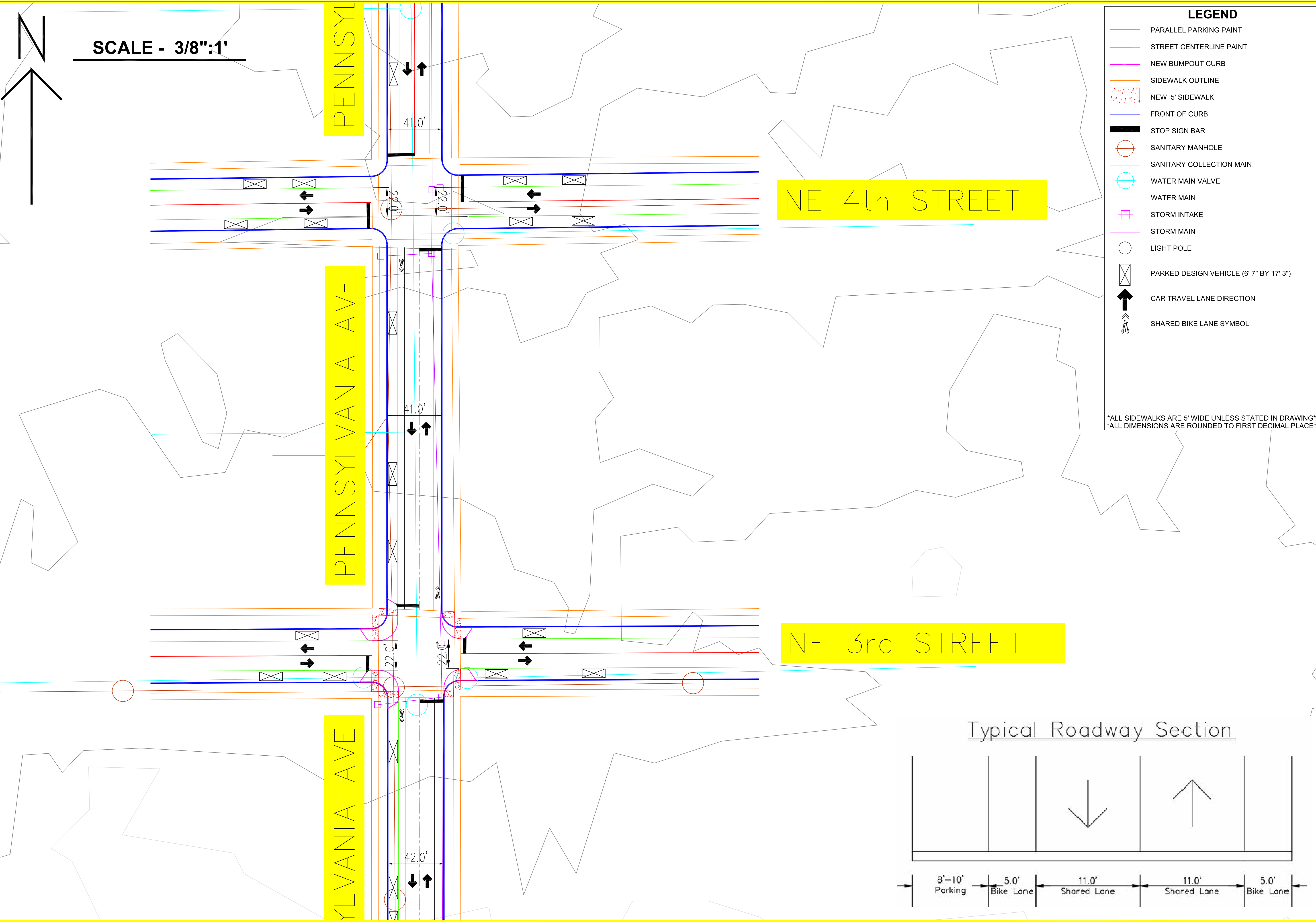
STREET REDESIGN
 PENNSYLVANIA AVE.
 MASON CITY, IA

SHEET NAME
 ALTERNATIVE 2
 TRUCK TURNING

SHEET NO.
A2-EX



SCALE - 3/8"=1'



LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
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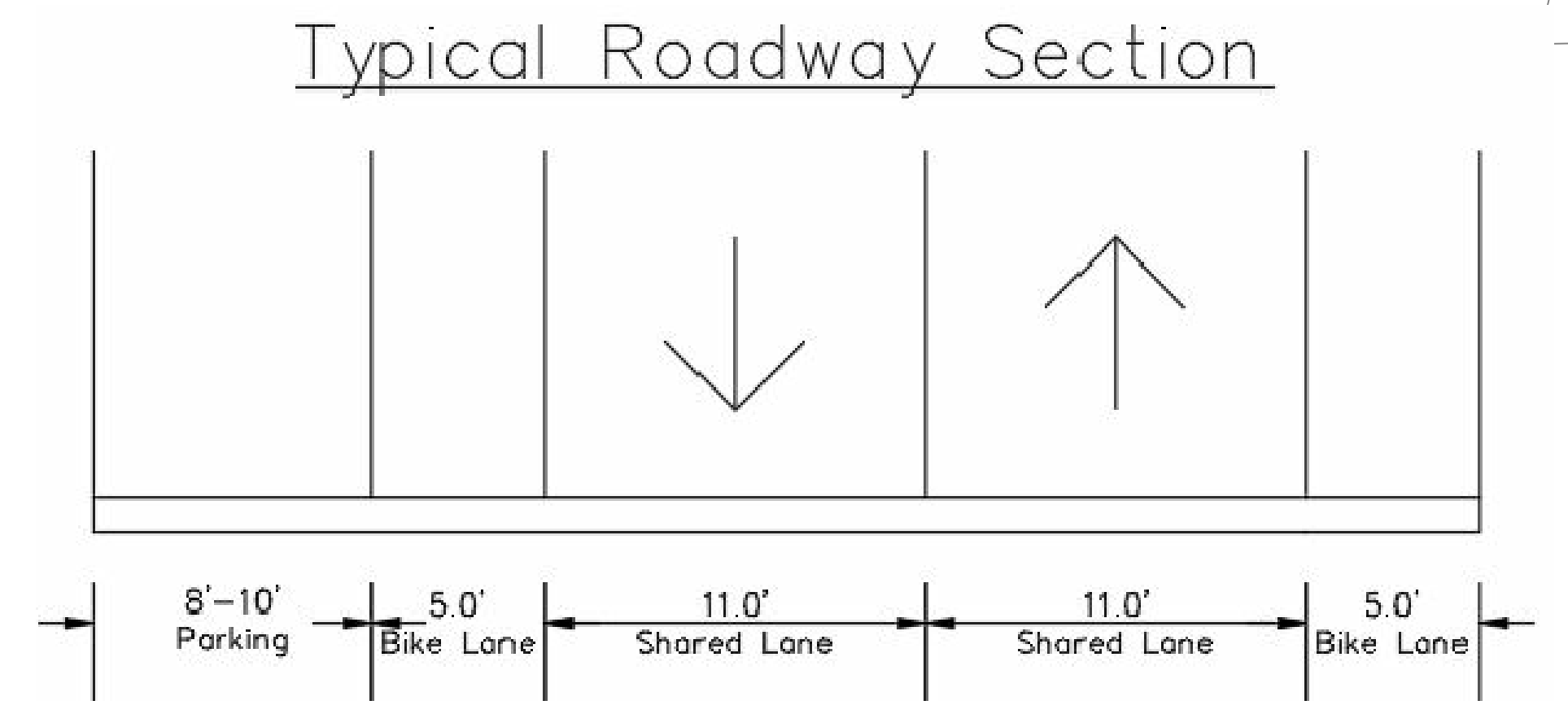
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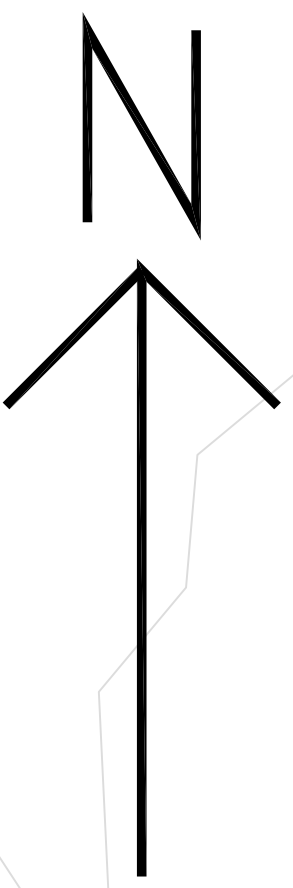
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 MASON CITY, IA

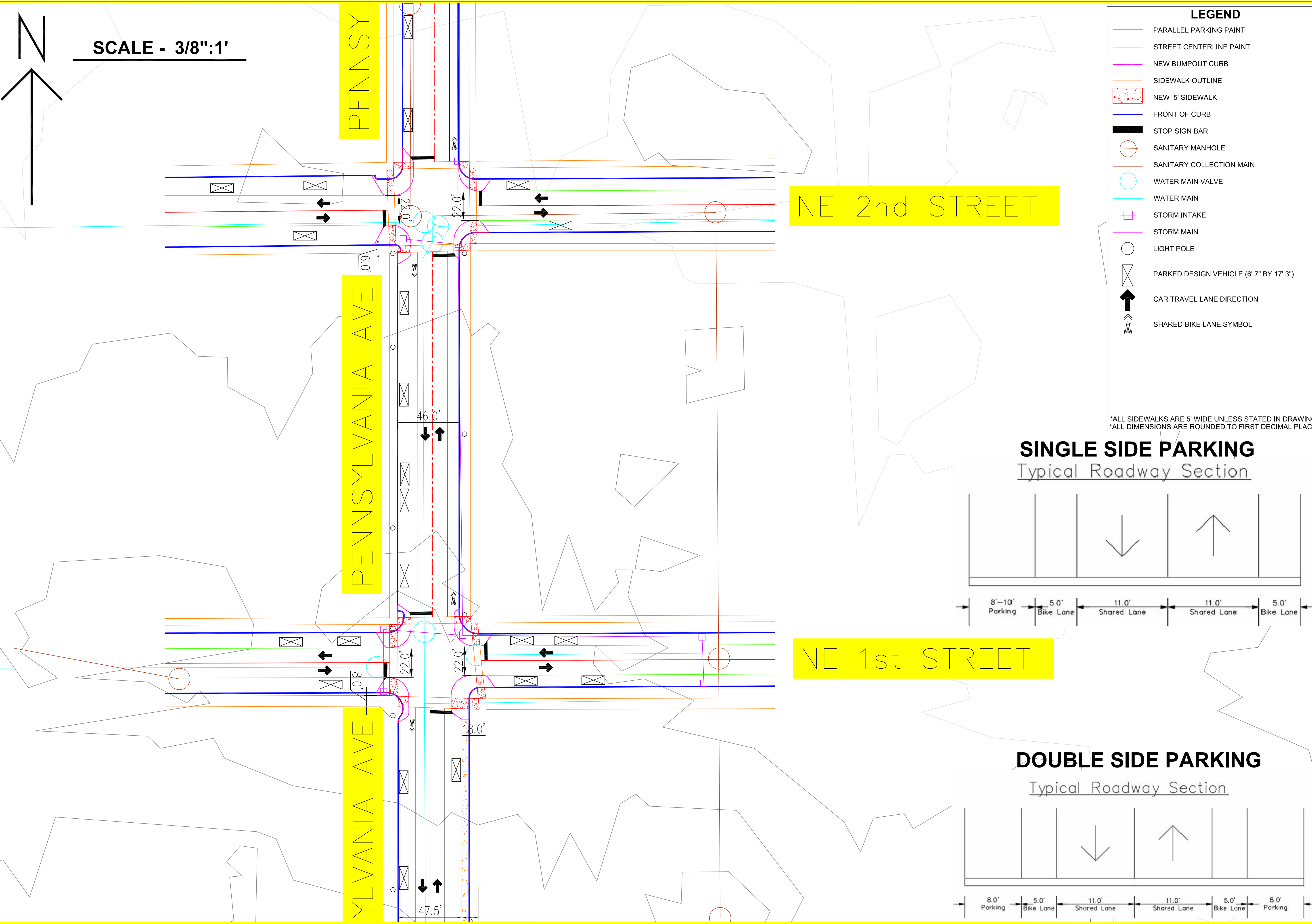


SHEET NAME
 ALTERNATIVE 3
 PAGE1

SHEET NO.
A3-1



SCALE - 3/8":1'

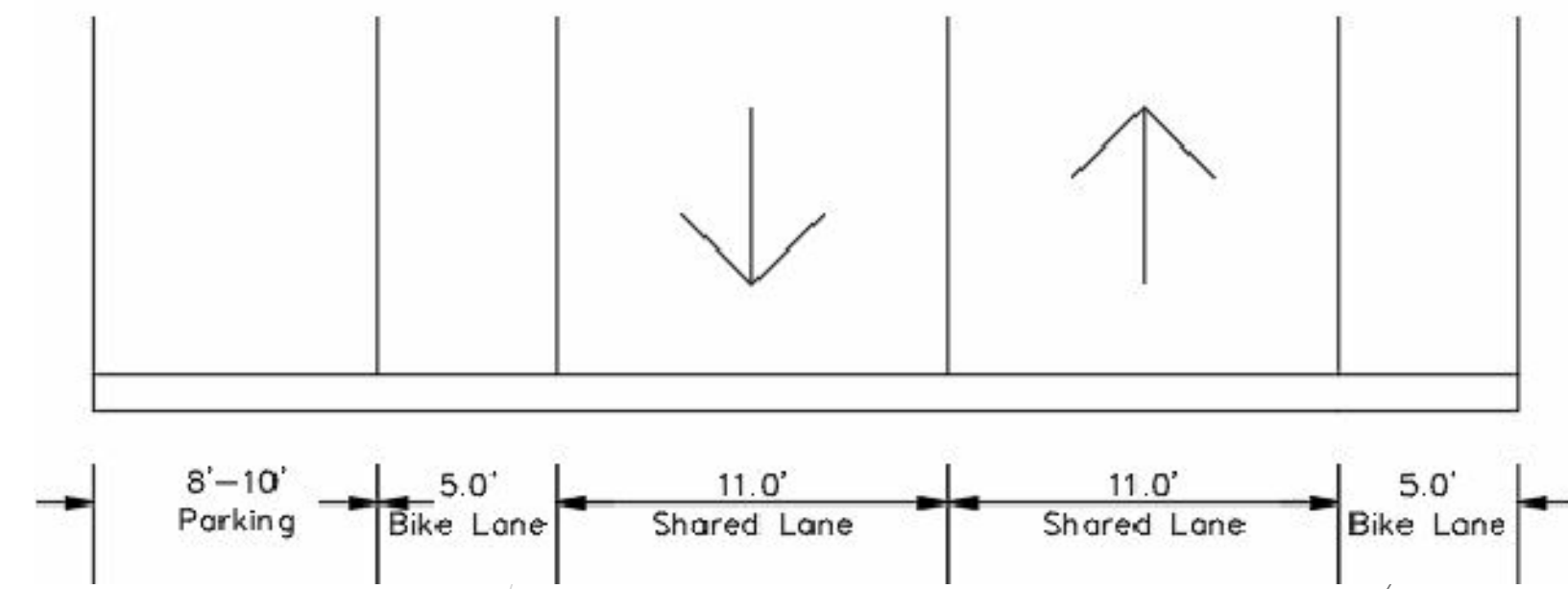


LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
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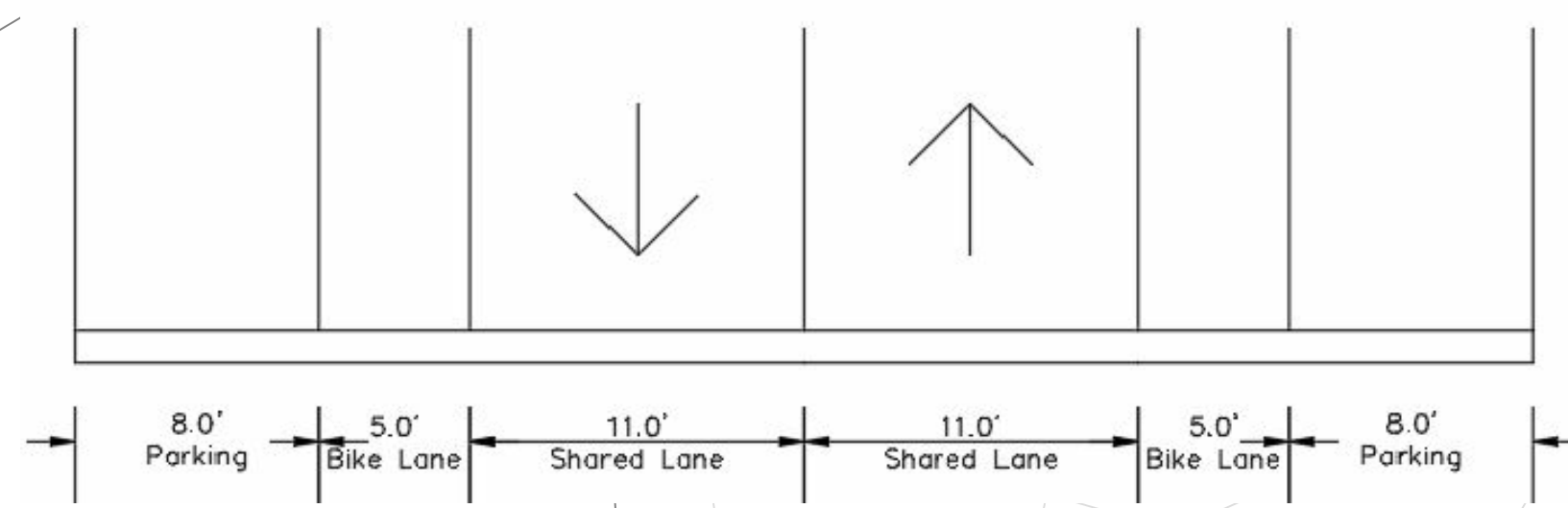
ALL SIDEWALKS ARE 5' WIDE UNLESS STATED IN DRAWING
ALL DIMENSIONS ARE ROUNDED TO FIRST DECIMAL PLACE

SINGLE SIDE PARKING
Typical Roadway Section



NE 1st STREET

DOUBLE SIDE PARKING
Typical Roadway Section



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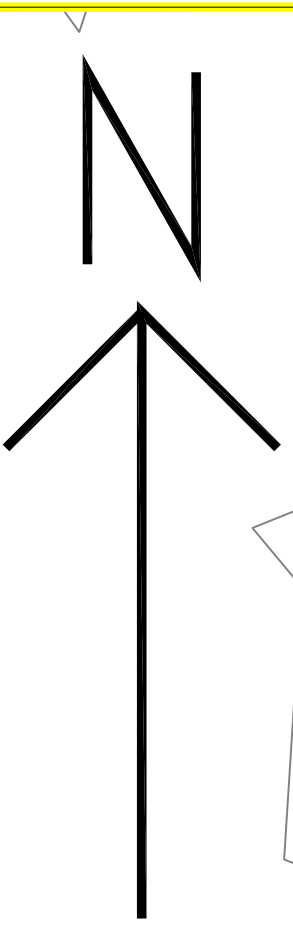
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PENNSYLVANIA AVE.
MASON CITY, IA

SHEET NAME
ALTERNATIVE 3
PAGE 2

SHEET NO.
A3-2



SCALE - 3/8":1'

PENNSYLVANIA

PENNSYLVANIA AVE

PENNSYLVANIA AVE

E STATE STREET

SE 1st STREET

LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
- WATER MAIN
- STORM INTAKE
- STORM MAIN
- LIGHT POLE
- PARKED DESIGN VEHICLE (6' 7" BY 17' 3")
- CAR TRAVEL LANE DIRECTION
- SHARED BIKE LANE SYMBOL

ALL SIDEWALKS ARE 5' WIDE UNLESS STATED IN DRAWING
ALL DIMENSIONS ARE ROUNDED TO FIRST DECIMAL PLACE

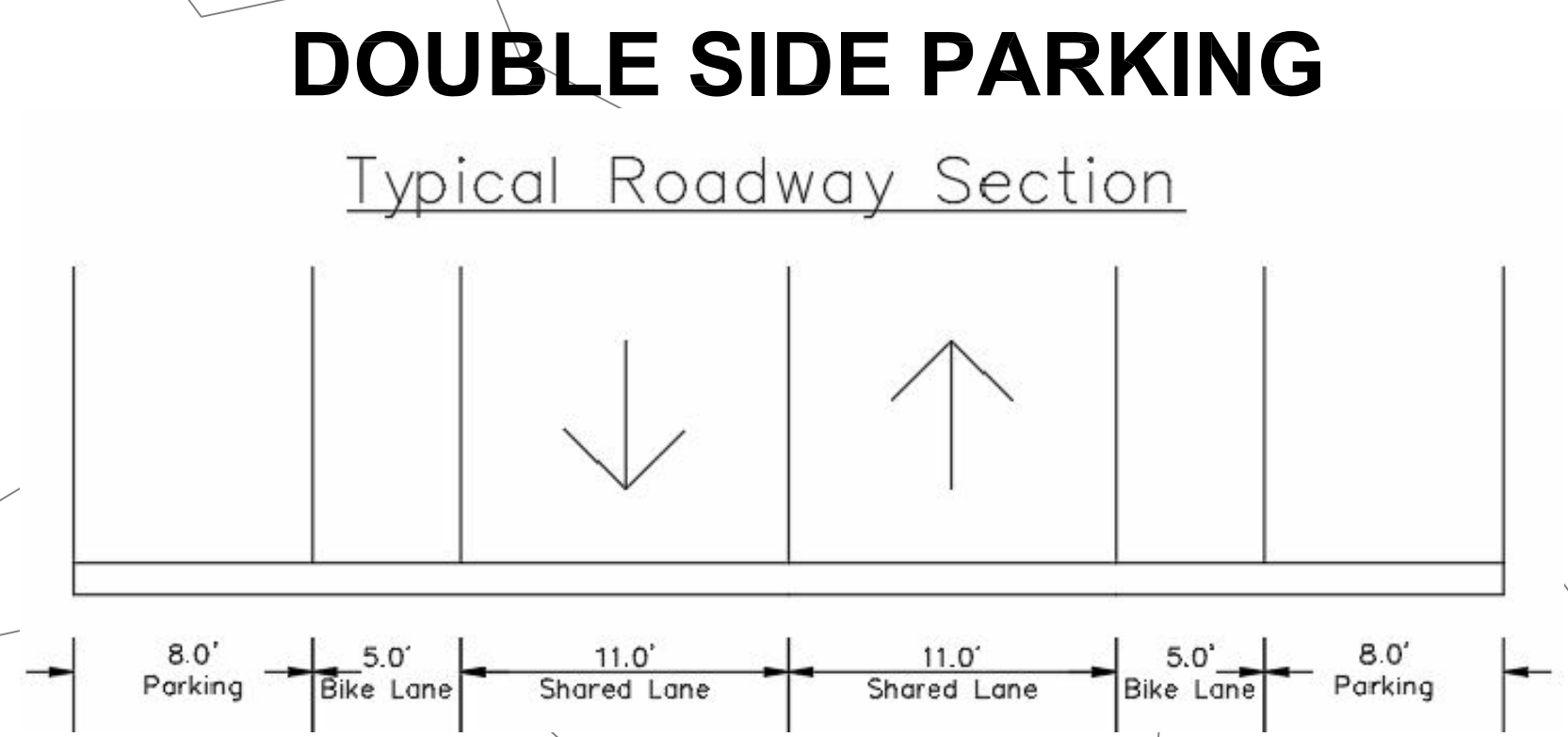
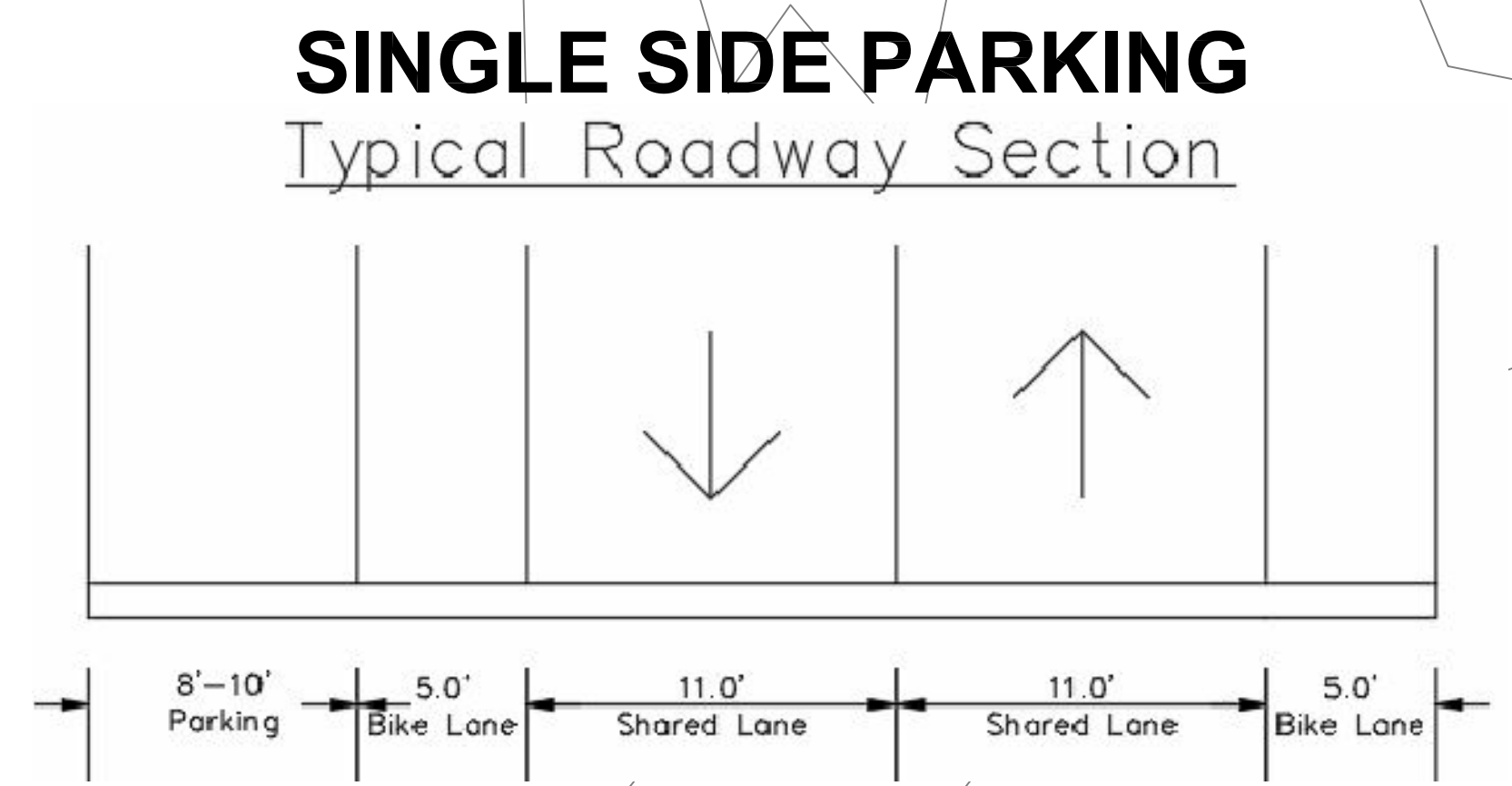
PROJECT:	CEE: 4850
DATE :	04/18/2018
DRAWN BY:	JC, JC, & AH
REVISION:	

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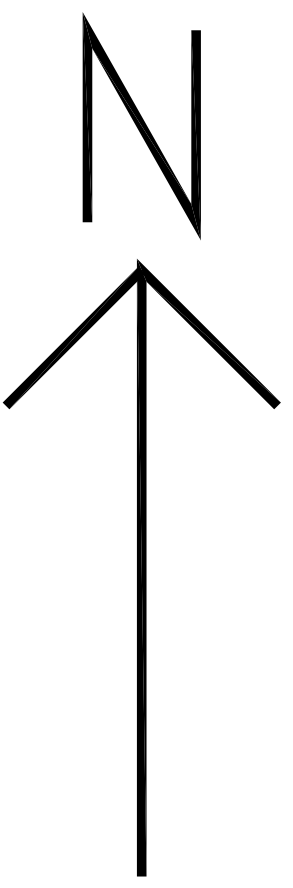
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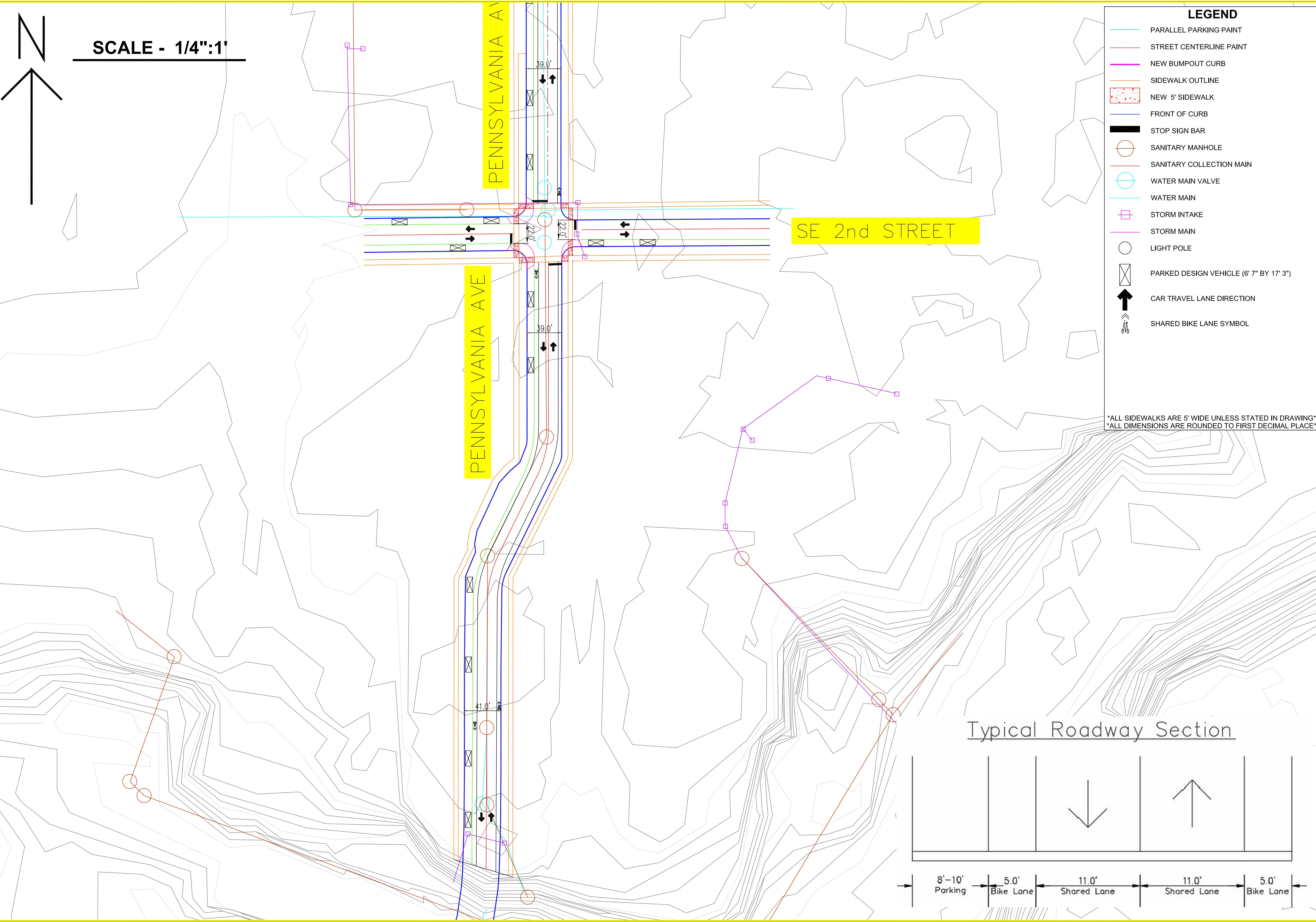


SHEET NAME
 ALTERNATIVE 3
 PAGE 3

SHEET NO.
A3-3



SCALE - 1/4":1'



LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
- SANITARY MANHOLE
- SANITARY COLLECTION MAIN
- WATER MAIN VALVE
- WATER MAIN
- STORM INTAKE
- STORM MAIN
- LIGHT POLE
- PARKED DESIGN VEHICLE (6' 7" BY 17' 3")
- CAR TRAVEL LANE DIRECTION
- SHARED BIKE LANE SYMBOL

ALL SIDEWALKS ARE 5' WIDE UNLESS STATED IN DRAWING
ALL DIMENSIONS ARE ROUNDED TO FIRST DECIMAL PLACE

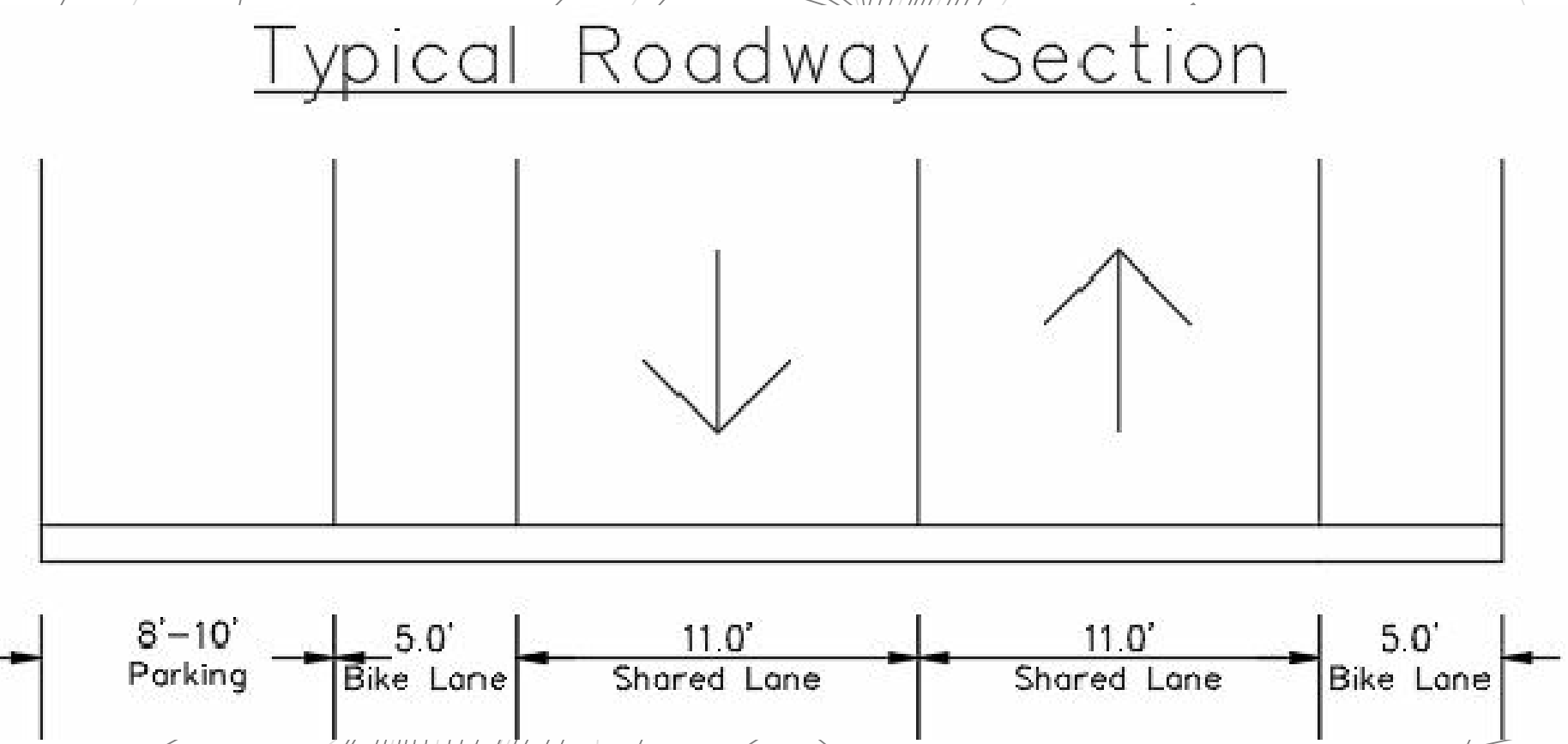
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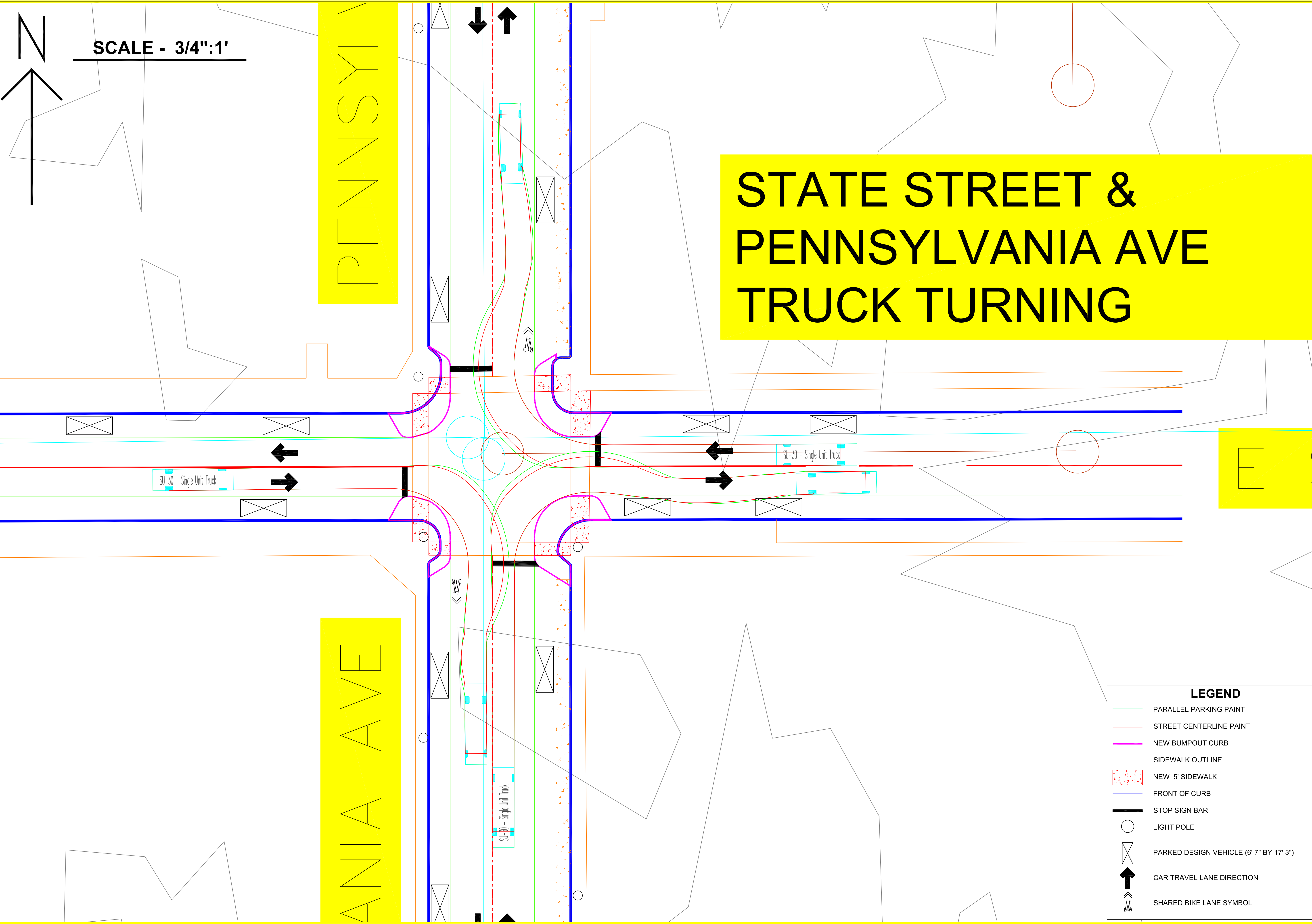
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SHEET NAME
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SHEET NO.
A3-4



SCALE - 3/4":1'

PENNSYLVANIA AVE

STATE STREET & PENNSYLVANIA AVE TRUCK TURNING

E S

PENNSYLVANIA AVE

LEGEND	
	PARALLEL PARKING PAINT
	STREET CENTERLINE PAINT
	NEW BUMPOUT CURB
	SIDEWALK OUTLINE
	NEW 5' SIDEWALK
	FRONT OF CURB
	STOP SIGN BAR
	LIGHT POLE
	PARKED DESIGN VEHICLE (6' 7" BY 17' 3")
	CAR TRAVEL LANE DIRECTION
	SHARED BIKE LANE SYMBOL

PROJECT:	CEE: 4850
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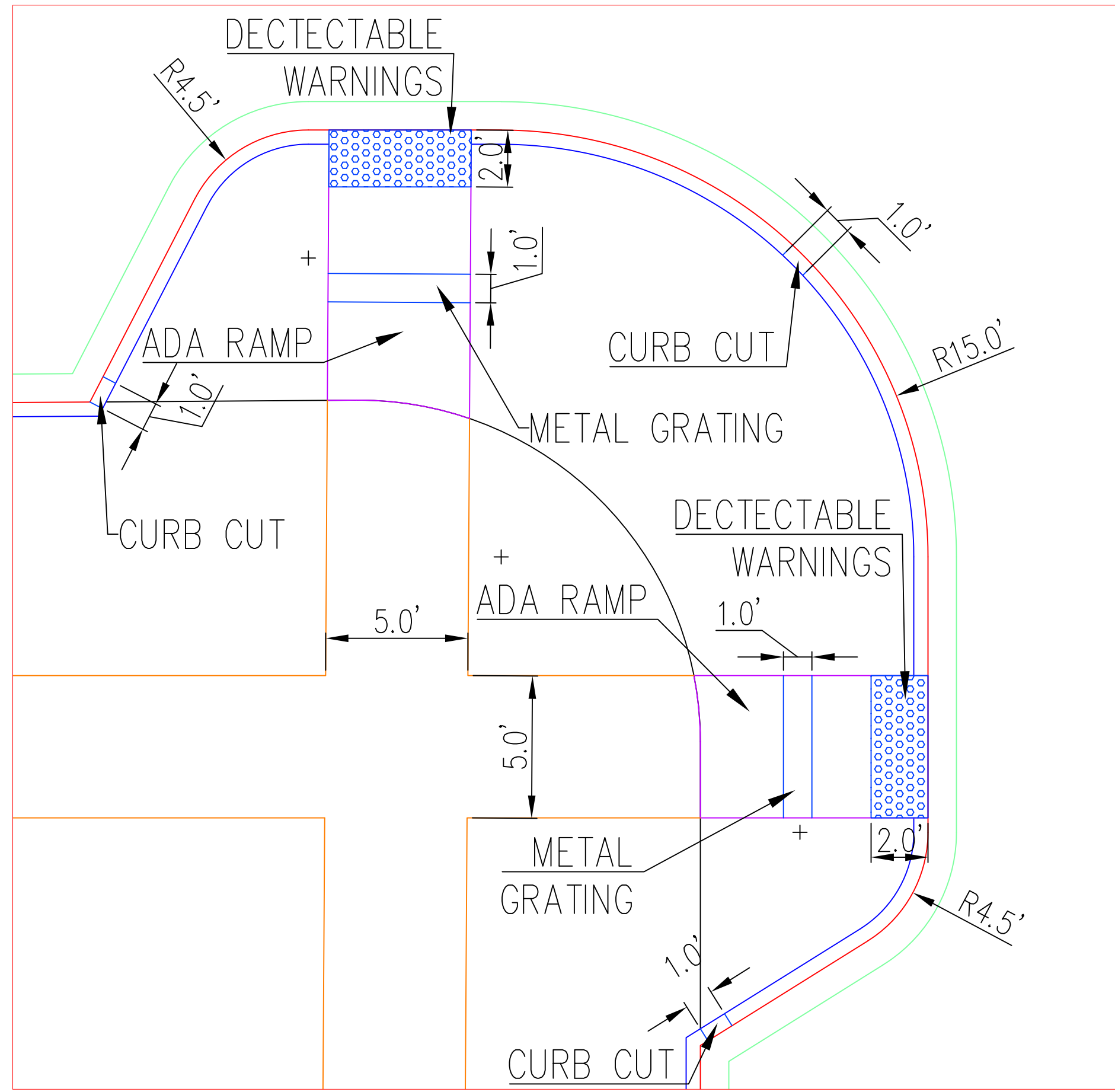
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 MASON CITY, IA

SHEET NAME
 ALTERNATIVE 2
 TRUCK TURNING

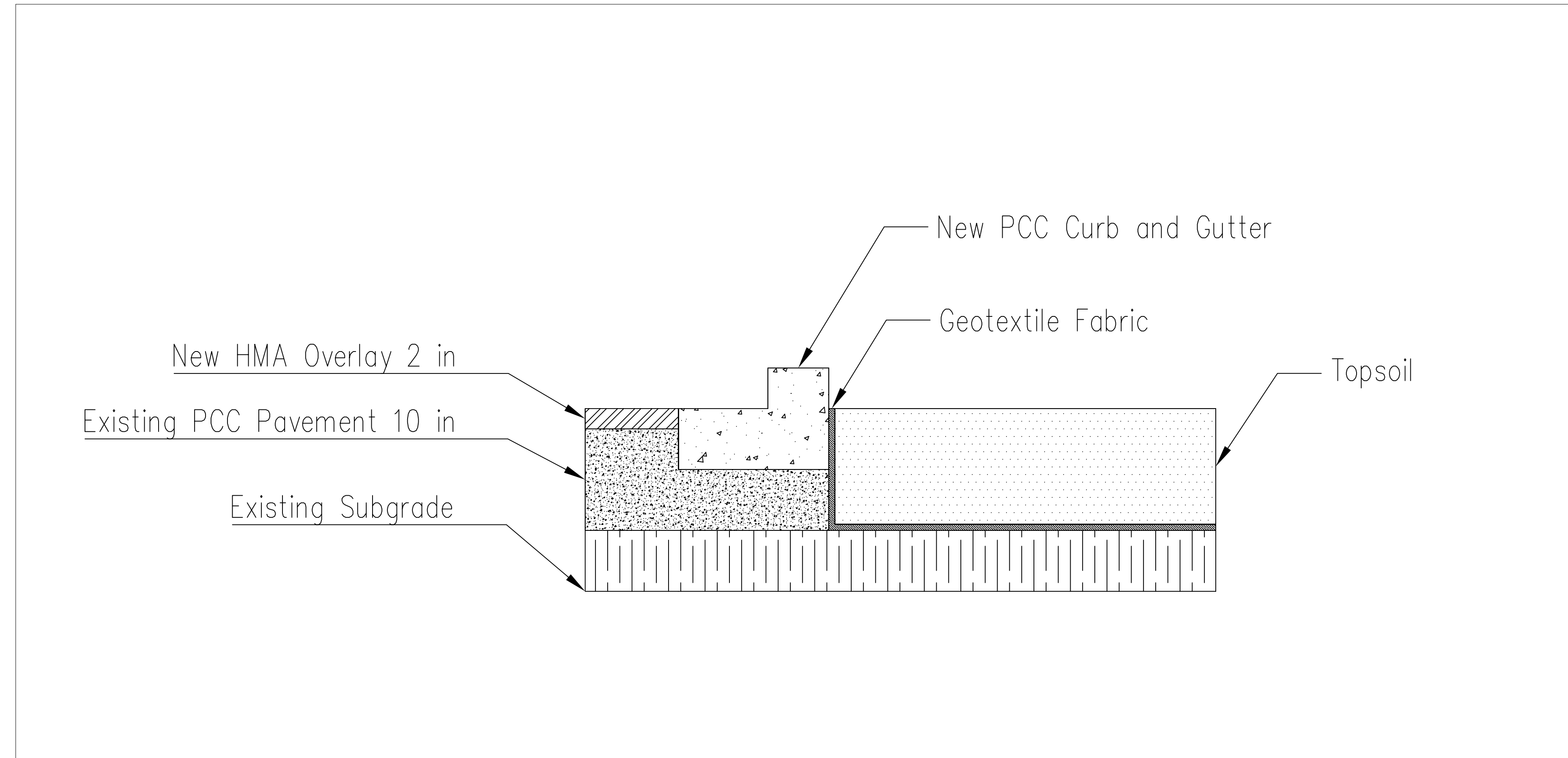
SHEET NO.
A3-EX

TYPICAL BUMPOUT

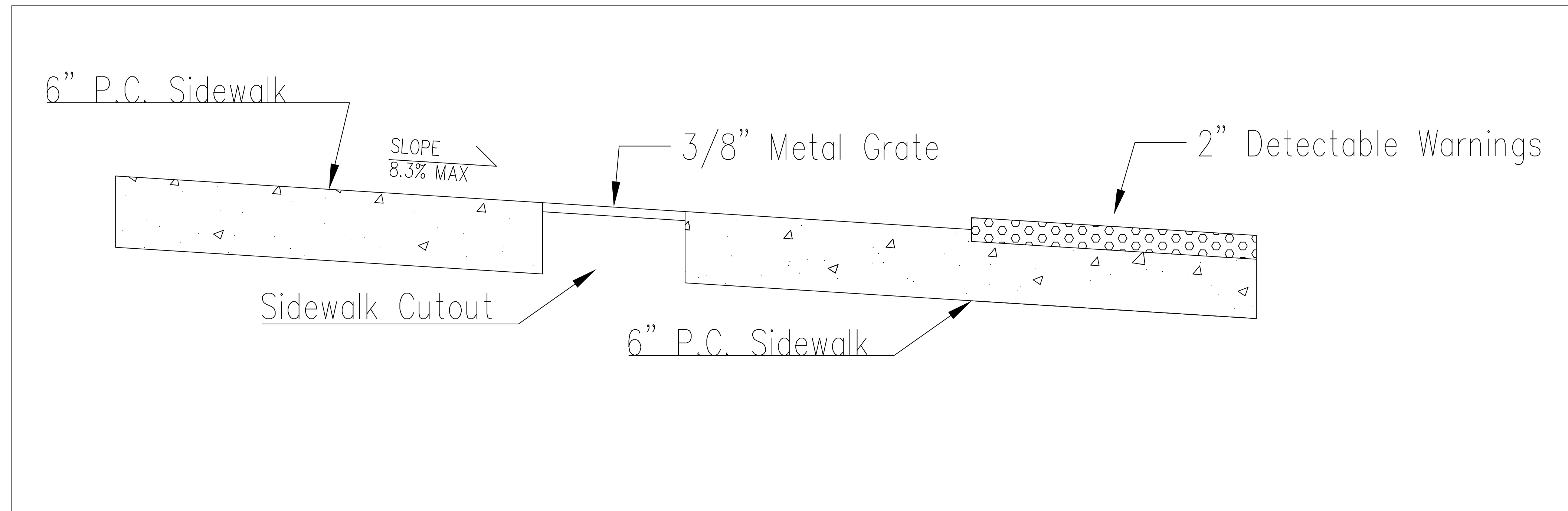


SCALE - 3":1'

TYPICAL BUMPOUT CROSS SECTION



ADA SIDEWALK CROSS SECTION



LEGEND

- GUTTER (GUT)
- FRONT OF CURB (FOC)
- BACK OF CURB (BOC)
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK (ADA RAMP)

GUT IS 1' OFFSET THE FOC
FOC IS 0.5' OFFSET THE BOC
ALL DIMENSIONS ARE ROUNDED TO FIRST DECIMAL PLACE

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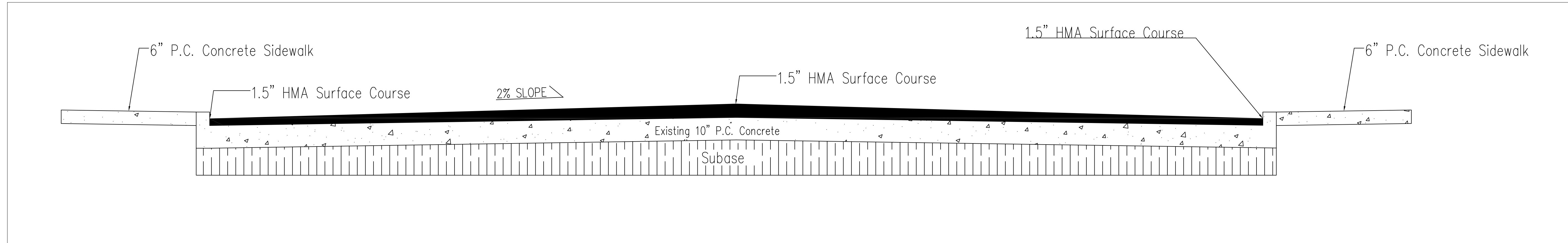
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DETAILS
PAGE 1

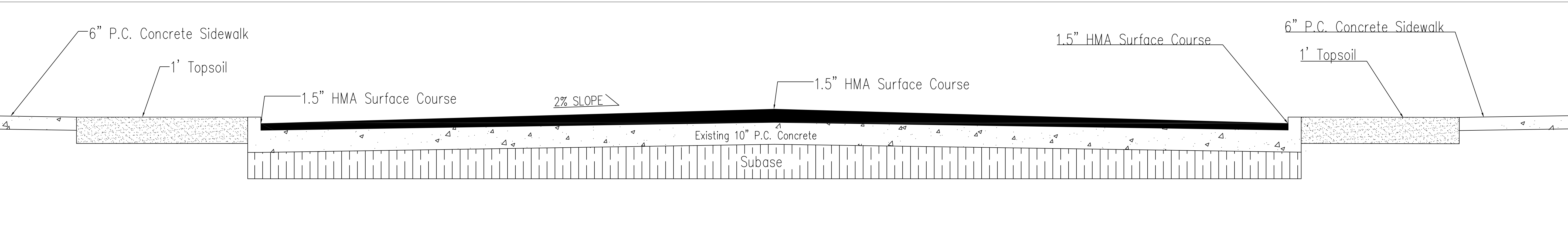
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DET1

ALTERNATIVE 1 CROSS SECTION



ALTERNATIVE 2 & 3 CROSS SECTION



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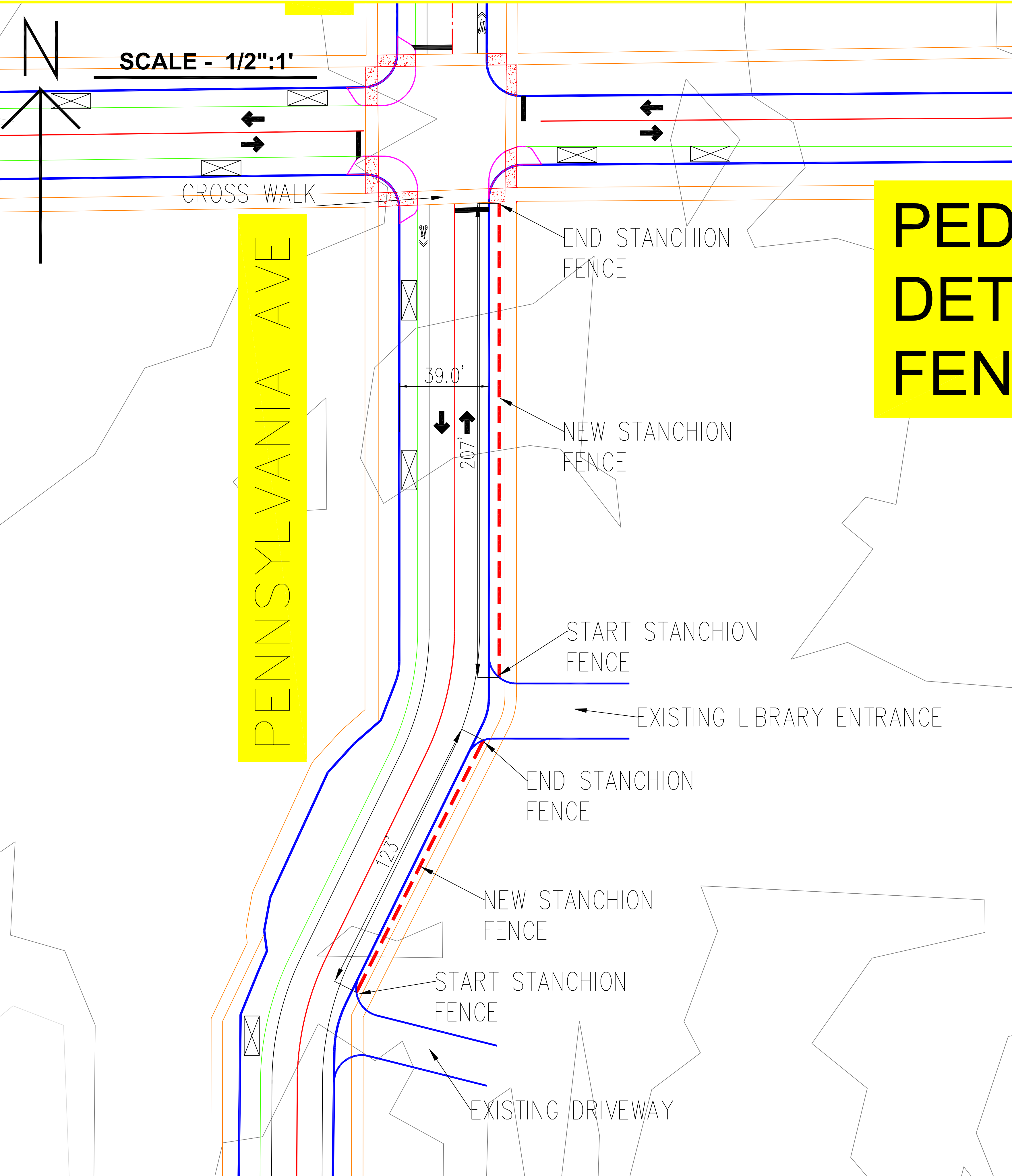


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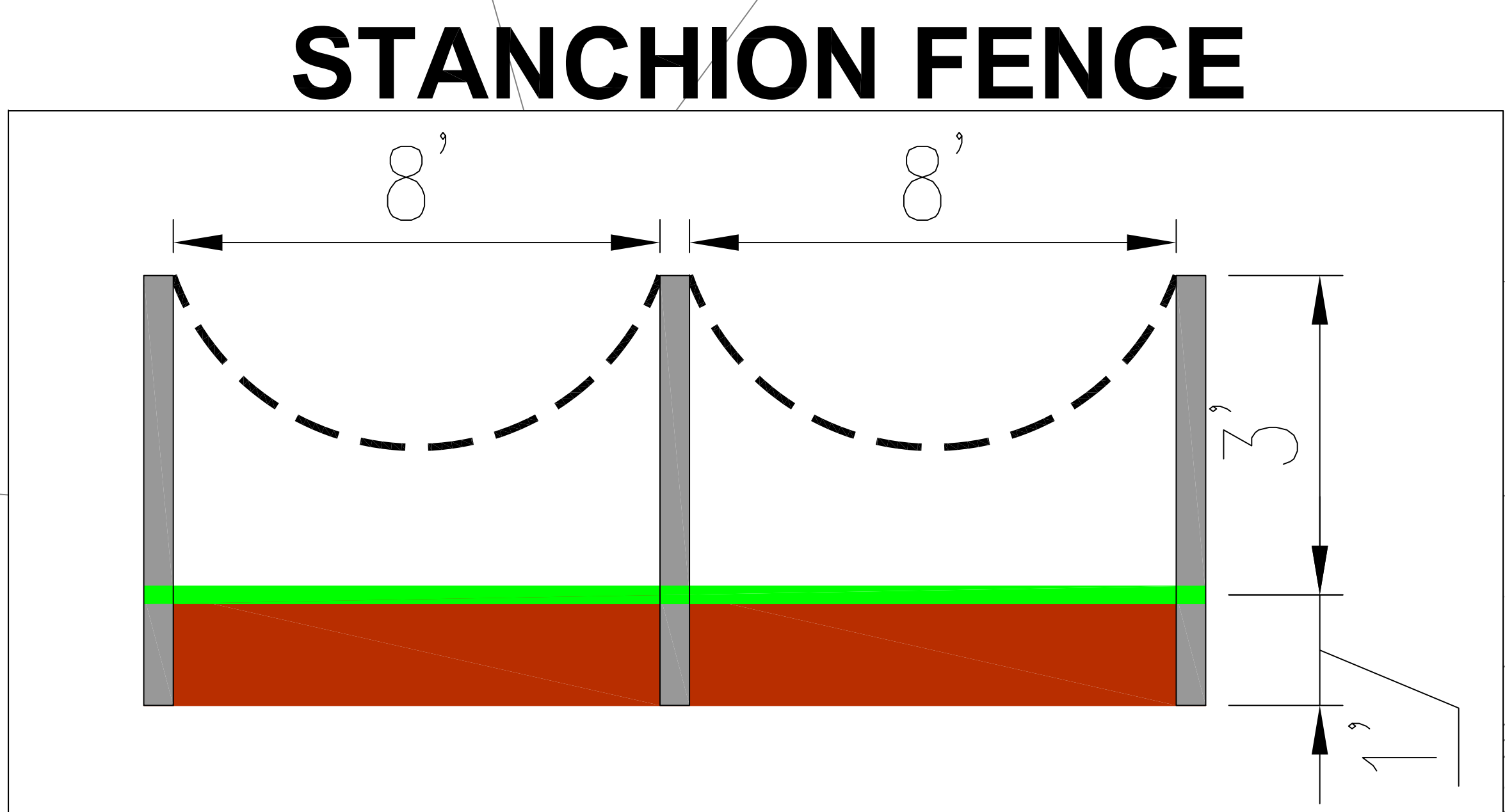
SHEET NAME
 DETAILS
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SHEET NO.
DET2



SE 2nd STREET

PEDESTRIAN DETERRENT FENCE



LEGEND

- PARALLEL PARKING PAINT
- STREET CENTERLINE PAINT
- NEW BUMPOUT CURB
- SIDEWALK OUTLINE
- NEW 5' SIDEWALK
- FRONT OF CURB
- STOP SIGN BAR
- STANCHION FENCE
- LIGHT POLE
- PARKED DESIGN VEHICLE (6' 7" BY 17' 3")
- ↑ CAR TRAVEL LANE DIRECTION
- ↗ SHARED BIKE LANE SYMBOL

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SHEET NO.: **DET3**

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