



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** North 4th Street  
**Assessment Sub-Area** N4A  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	2209	1.00	1.00	1.00
<b>Damage Score</b>				<b>1.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
<b>Recovery/Revitalization Score</b>				<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	286	0.13	10.00	1.29
Length within 0.25-mi of Emergency Response Facility (ft)	286	0.13	5.00	0.65
<b>Proximity Score</b>				<b>1.94</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **45.02**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4B  
 Infrastructure Category Drainage  
 Exhibit Group E.4

**Assessment Data**

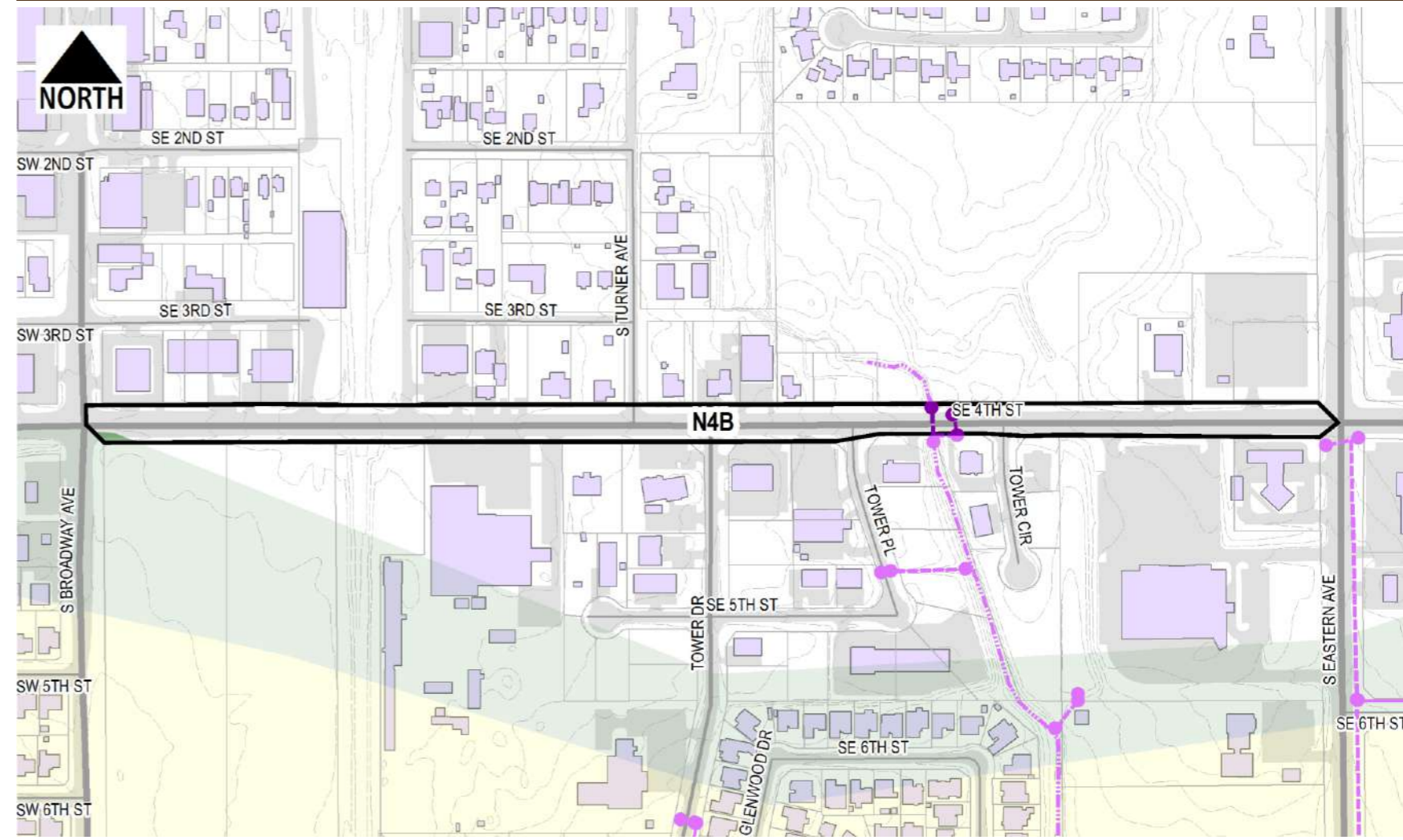
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	175			
Total Drainage Channel Length (ft)	9			
Total Storm Sewer Structures (ea)	3			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	175	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	175	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	3	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	183	0.99	5.00	4.97
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	183	0.99	2.00	1.99
<b>Age</b>				
More than 20-years	63	0.36	10.00	3.60
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	112	0.64	1.00	0.64

**Background Score 16.20**

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	1	0.50	0.50	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	0	0.50	0.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 0.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** North 4th Street  
**Assessment Sub-Area** N4B  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	175	1.00	1.00	1.00
<b>Damage Score</b>				<b>1.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	Yes	1.00	5.00	5.00
<b>LMI Score</b>				<b>5.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	175	1.00	10.00	10.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>10.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **33.70**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4C  
 Infrastructure Category Drainage  
 Exhibit Group E.4

## Assessment Data

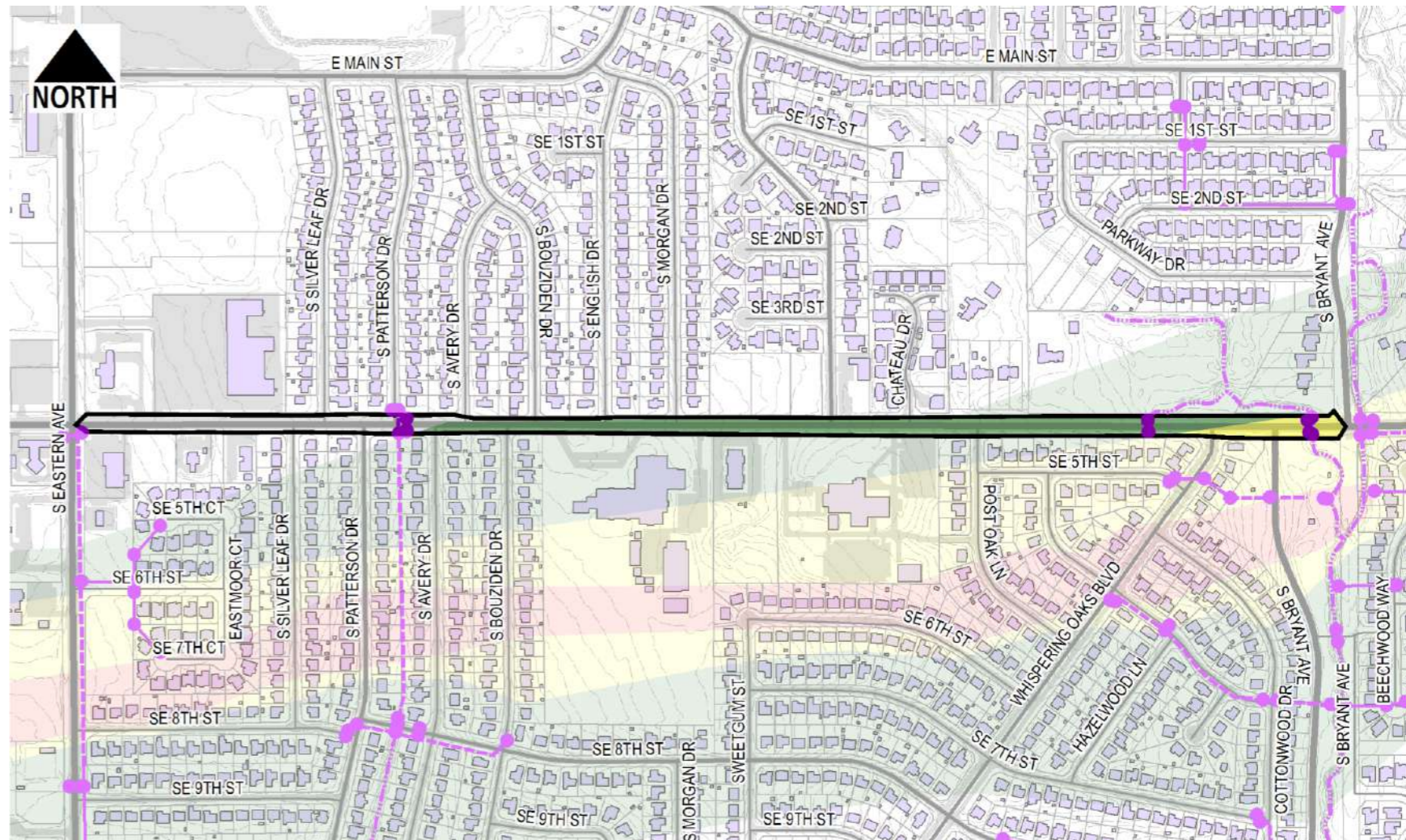
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

## Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	336			
Total Drainage Channel Length (ft)	52			
Total Storm Sewer Structures (ea)	10			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	336	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	336	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	10	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	266	0.69	10.00	6.86
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	122	0.31	5.00	1.57
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	388	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	80	0.24	10.00	2.38
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	256	0.76	1.00	0.76

**Background Score 18.57**

## Key Map



## Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	2	0.50	1.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	0	0.50	0.00
D6 - Brick Structure	2	0.50	1.00				
D7 - Damage Structure	1	0.50	0.50				

**Condition Score 2.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** North 4th Street  
**Assessment Sub-Area** N4C  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	87	0.26	5.00	1.29
Length within EF0 to EF2 Damage Area prior to disaster (ft)	67	0.20	2.00	0.40
Length Outside Damage Area prior to Disaster (ft)	183	0.54	1.00	0.54
<b>Damage Score</b>				<b>2.24</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2021.05.3	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	183	0.54	10.00	5.45
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>5.45</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **29.76**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT1  
 Infrastructure Category Drainage  
 Exhibit Group E.4

### Assessment Data

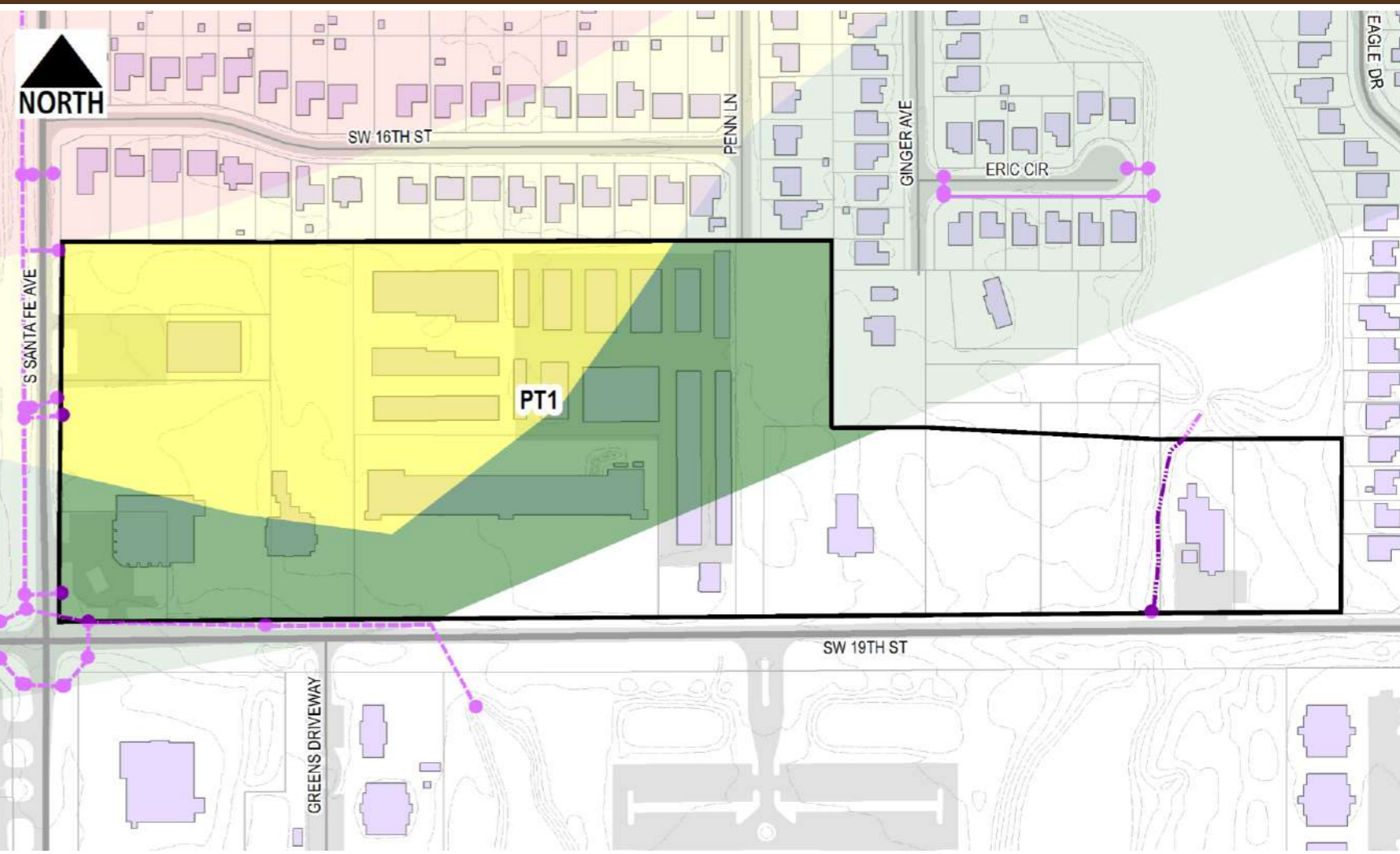
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	158			
Total Drainage Channel Length (ft)	299			
Total Storm Sewer Structures (ea)	4			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	158	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	158	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	4	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	190	0.42	10.00	4.16
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	267	0.58	5.00	2.92
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	457	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00

**Background Score 14.08**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	4	0.50	2.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	3	0.50	1.50
D4 - Insufficient armoring	1	0.50	0.50	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	4	0.50	2.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	1	0.50	0.50				

**Condition Score 6.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Plaza Towers  
**Assessment Sub-Area** PT1  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	9	0.06	5.00	0.28
Length within EF0 to EF2 Damage Area prior to disaster (ft)	149	0.94	2.00	1.89
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>2.17</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
<b>Health and Safety Score</b>				<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
PT1: STORM SEWER IMPROVEMENTS AT COMMERCIAL PROPERTY, NW OF SW 19TH AND SA	1.00	5.00	5.00	
IMPROVEMENTS TO STORM SEWER AT TERMINATION OF PENN LANE, BACKYARD OF LOTS	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>10.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **32.75**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT2  
 Infrastructure Category Drainage  
 Exhibit Group E.4

### Assessment Data

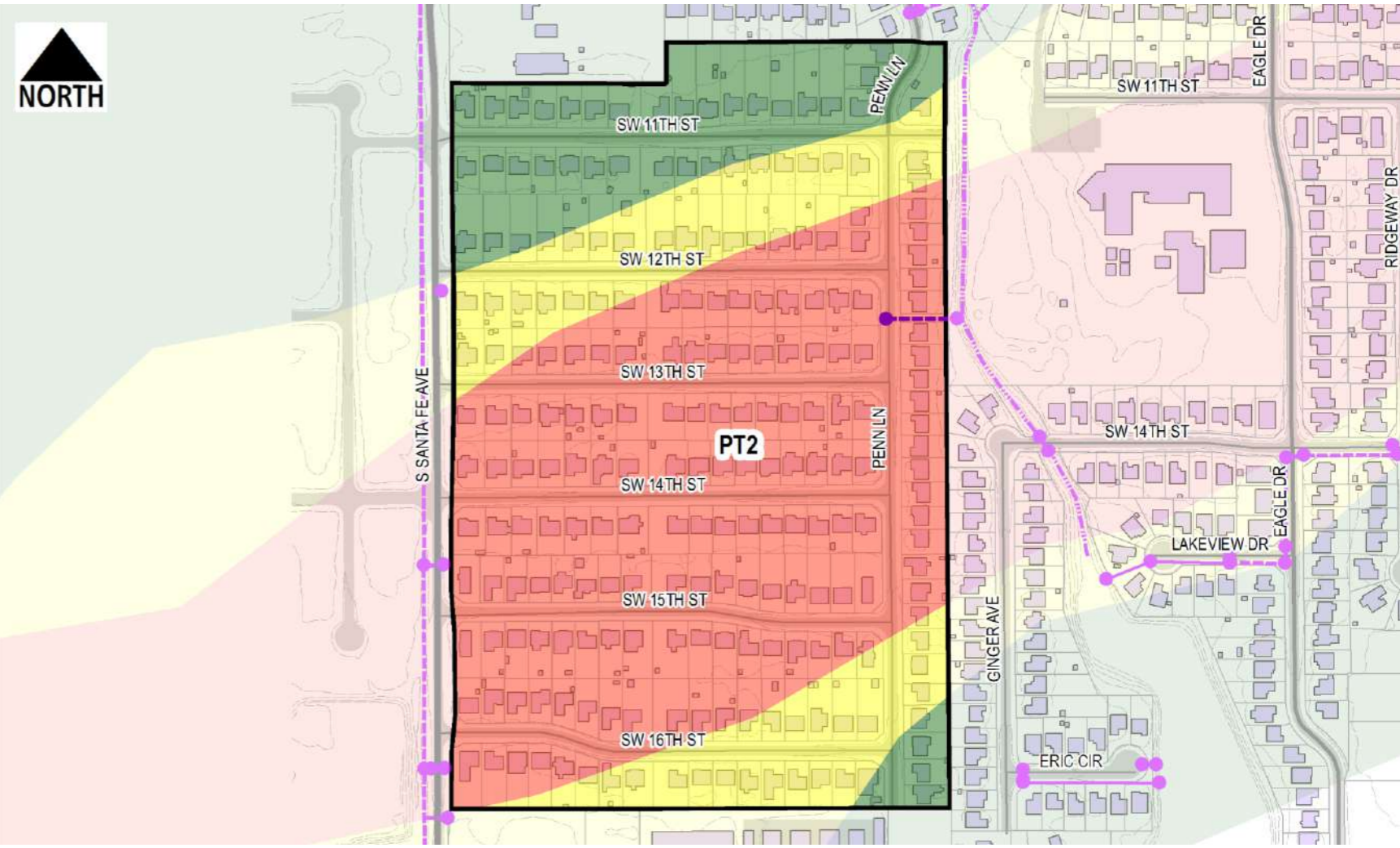
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	159			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	1			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	159	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	159	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	1	1.00	5.00	5.00
Structures within "Low Concrete Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	159	1.00	10.00	10.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	110	0.69	5.00	3.46
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	49	0.31	2.00	0.62
<b>Age</b>				
More than 20-years	159	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00

**Background Score 32.08**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	2	0.50	1.00	D8 - Apparent previous maintenance	1	0.50	0.50
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	1	0.50	0.50
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	3	0.50	1.50	D12 - evidence of ponding	54	0.50	27.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 30.50**





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Plaza Towers  
**Assessment Sub-Area** PT2  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	159	1.00	10.00	10.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>10.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
<b>Recovery/Revitalization Score</b>				<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
<b>Sustainability Score</b>				<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA PT2: CONSTRUCTION OF NEW PUBLIC STORM SEWER THROUGHOUT AREA	1.00	5.00	5.00	
IMPROVEMENTS TO STORM SEWER AT TERMINATION OF PENN LANE, BACKYARD OF LOTS	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>10.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	159	1.00	10.00	10.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>10.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **118.58**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT3  
 Infrastructure Category Drainage  
 Exhibit Group E.4

#### Assessment Data

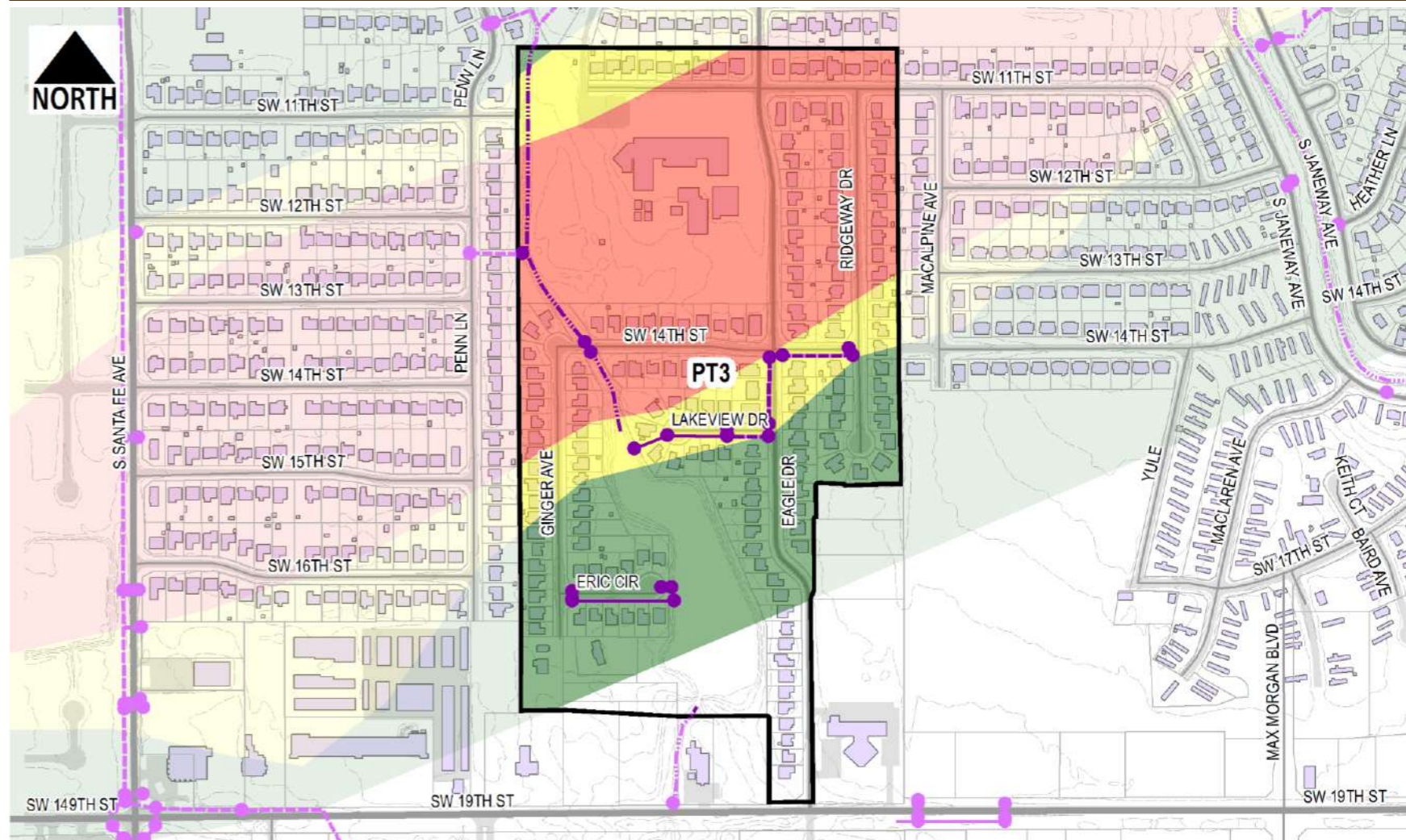
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Total Storm Sewer Line Length (ft)</b>				
Total Storm Sewer Line Length (ft)	1567			
<b>Total Drainage Channel Length (ft)</b>				
Total Drainage Channel Length (ft)	1389			
<b>Total Storm Sewer Structures (ea)</b>				
Total Storm Sewer Structures (ea)	20			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	738	0.47	5.00	2.35
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	828	0.53	1.00	0.53
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	1567	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	4	0.20	5.00	1.00
Structures within "Low Concrete Corrosion Potential" (ea)	16	0.80	2.00	1.60
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	2119	0.72	10.00	7.17
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	837	0.28	5.00	1.42
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	300	0.10	5.00	0.51
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	2656	0.90	2.00	1.80
<b>Age</b>				
More than 20-years	718	0.46	10.00	4.58
15 to 20-years	791	0.50	5.00	2.52
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	57	0.04	1.00	0.04

**Background Score 25.51**

#### Key Map



#### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	2	0.50	1.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	9	0.50	4.50
D4 - Insufficient armoring	6	0.50	3.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	17	0.50	8.50
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	1	0.50	0.50				

**Condition Score 17.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Plaza Towers  
**Assessment Sub-Area** PT3  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	59	0.04	10.00	0.38
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1069	0.68	5.00	3.41
Length within EF0 to EF2 Damage Area prior to disaster (ft)	439	0.28	2.00	0.56
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>4.35</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
<b>Recovery/Revitalization Score</b>				<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
<b>Sustainability Score</b>				<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
LAKE EDGE RESTORATION/ BEAUTIFIUCATION/SCREEN RESIDENTIAL FROM COMMERCIAL	1.00	5.00	5.00	
SUB-AREA PT3: CONSTRUCTION OF NEW PUBLIC STORM SEWER AS REQUIRED	1.00	5.00	5.00	
IMPROVEMENTS TO STORM SEWER AT TERMINATION OF PENN LANE, BACKYARD OF LOTS	1.00	5.00	5.00	
DRAINAGE CHANNEL INPROVEMENTS NORTH OF POND, NEW RCB STRUCTURE AT SW 11TH	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>20.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	1567	1.00	10.00	10.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>10.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **103.36**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT4  
 Infrastructure Category Drainage  
 Exhibit Group E.4

**Assessment Data**

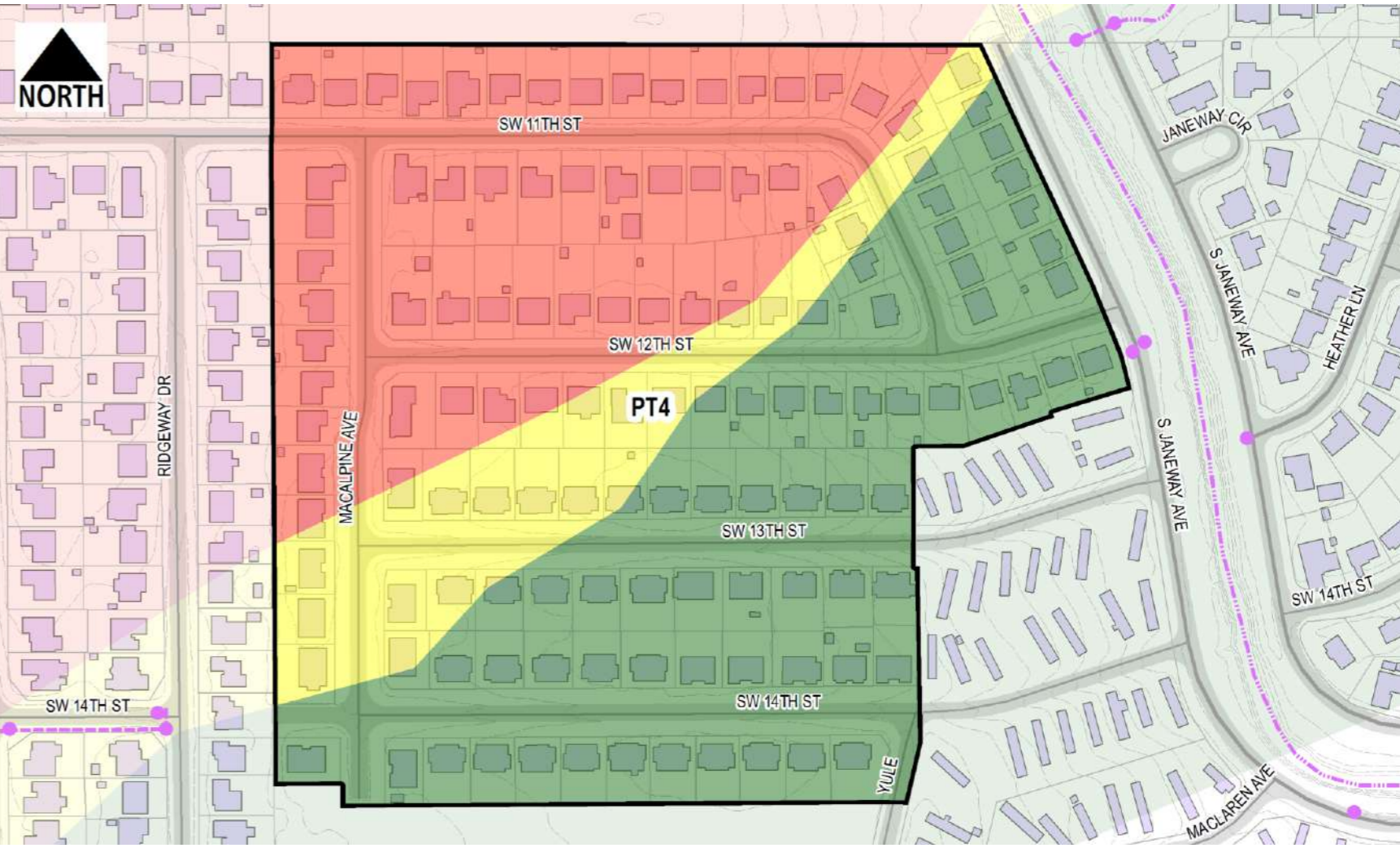
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	0			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	0			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	0	0.00	1.00	0.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	0	0.00	2.00	0.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	0	0.00	2.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00

**Background Score 0.00**

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	7	0.50	3.50
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 3.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Plaza Towers  
**Assessment Sub-Area** PT4  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>0.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
<b>Sustainability Score</b>				<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA PT4: PUBLIC STORM SEWER IMPROVEMENTS AS REQUIRED	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>5.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **14.50**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT5  
 Infrastructure Category Drainage  
 Exhibit Group E.4

### Assessment Data

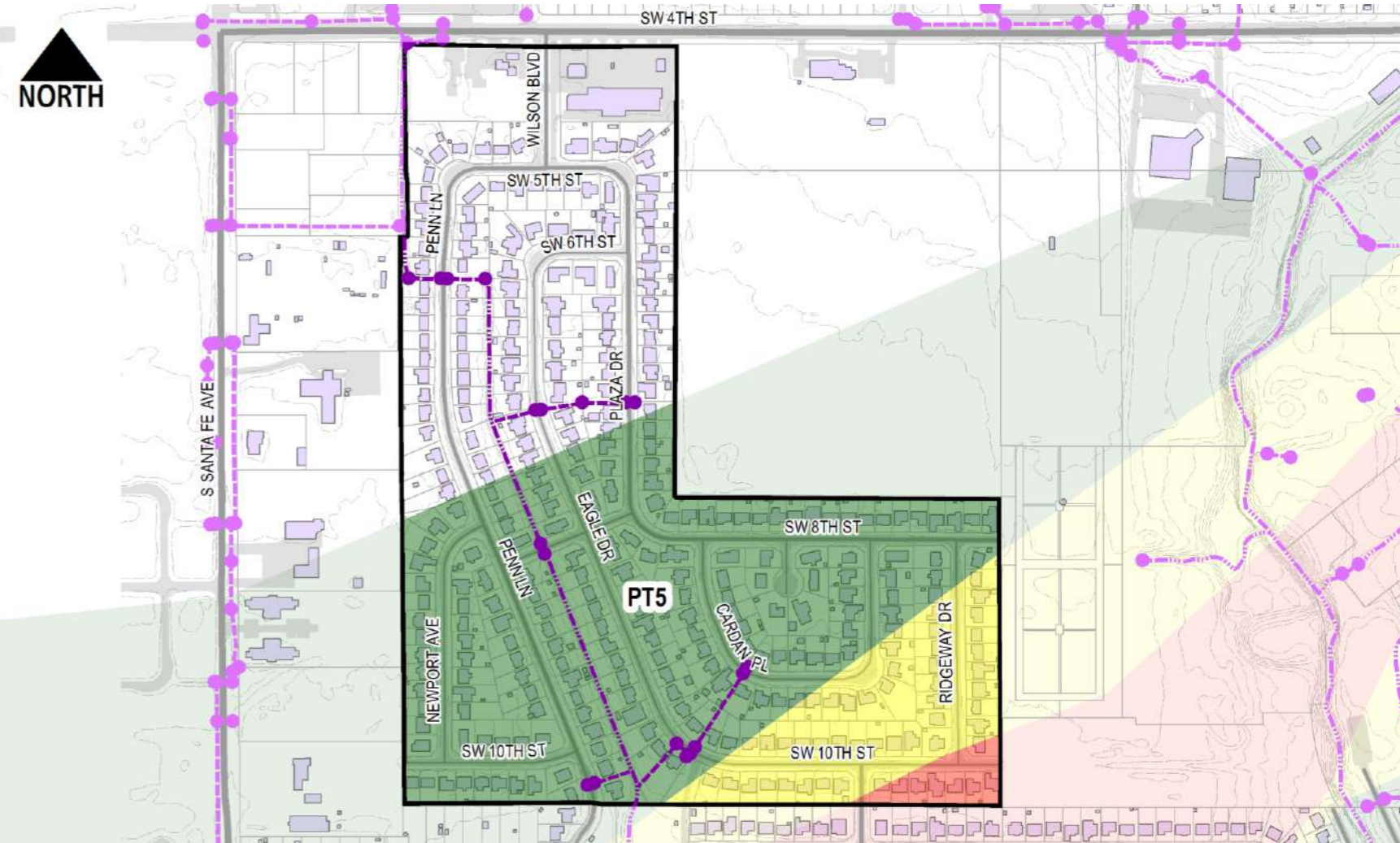
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	1569			
Total Drainage Channel Length (ft)	2217			
Total Storm Sewer Structures (ea)	20			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	1569	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	1569	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	20	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	3786	1.00	10.00	10.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	3786	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	1541	0.98	10.00	9.82
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	28	0.02	1.00	0.02

**Background Score 26.84**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	1	0.50	0.50	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	4	0.50	2.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	1	0.50	0.50
D4 - Insufficient armoring	1	0.50	0.50	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	1	0.50	0.50	D12 - evidence of ponding	44	0.50	22.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	2	0.50	1.00				

**Condition Score 27.00**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Plaza Towers  
**Assessment Sub-Area** PT5  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	793	0.51	2.00	1.01
Length Outside Damage Area prior to Disaster (ft)	777	0.50	1.00	0.50
<b>Damage Score</b>				<b>1.51</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
<b>Recovery/Revitalization Score</b>				<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
<b>Sustainability Score</b>				<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA PT5: CONSTRUCTION OF NEW PUBLIC STORM SEWER AS REQUIRED	1.00	5.00	5.00	
PT5: DRAINAGE IMPROVEMENTS, TERMINATION OF SW 8TH STREET	1.00	5.00	5.00	
PT5: CONCRETE CHANNEL REPLACEMENT	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>15.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	793	0.51	10.00	5.05
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>5.05</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **101.40**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT6  
 Infrastructure Category Drainage  
 Exhibit Group E.4

#### Assessment Data

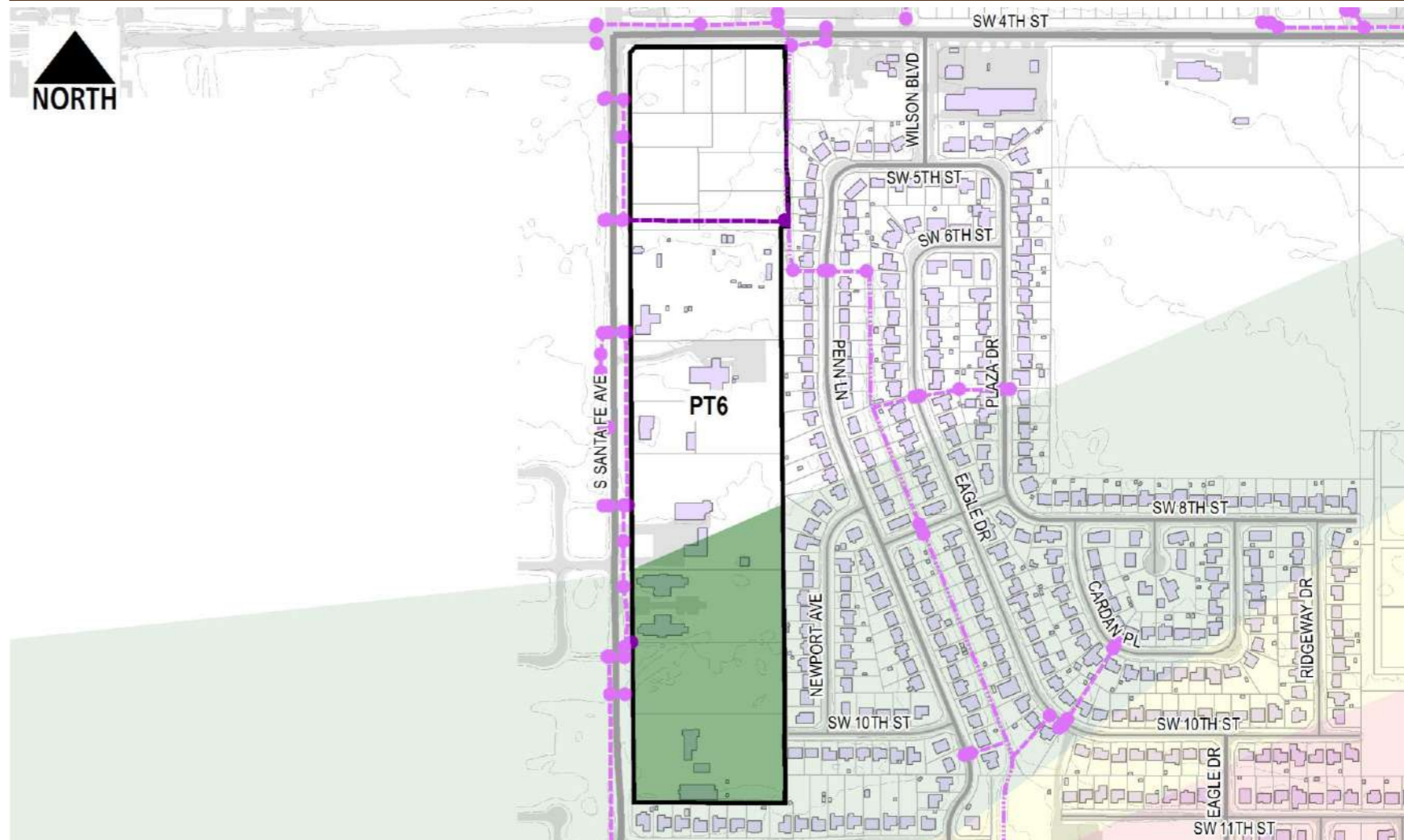
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	558			
Total Drainage Channel Length (ft)	426			
Total Storm Sewer Structures (ea)	2			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	558	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	558	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	1	0.50	5.00	2.50
Structures within "Low Concrete Corrosion Potential" (ea)	1	0.50	2.00	1.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	983	1.00	10.00	9.99
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	532	0.54	5.00	2.70
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	452	0.46	2.00	0.92
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	555	0.99	2.00	1.99
Unknown	3	0.01	1.00	0.01

**Background Score 22.11**

#### Key Map



#### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	8	0.50	4.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	0	0.50	0.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	1	0.50	0.50				

**Condition Score 4.50**





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Plaza Towers  
**Assessment Sub-Area** PT6  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	3	0.01	2.00	0.01
Length Outside Damage Area prior to Disaster (ft)	555	0.99	1.00	0.99
<b>Damage Score</b>				<b>1.01</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
<b>Health and Safety Score</b>				<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **27.61**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Santa Fe Avenue  
 Assessment Sub-Area SF1  
 Infrastructure Category Drainage  
 Exhibit Group E.4

### Assessment Data

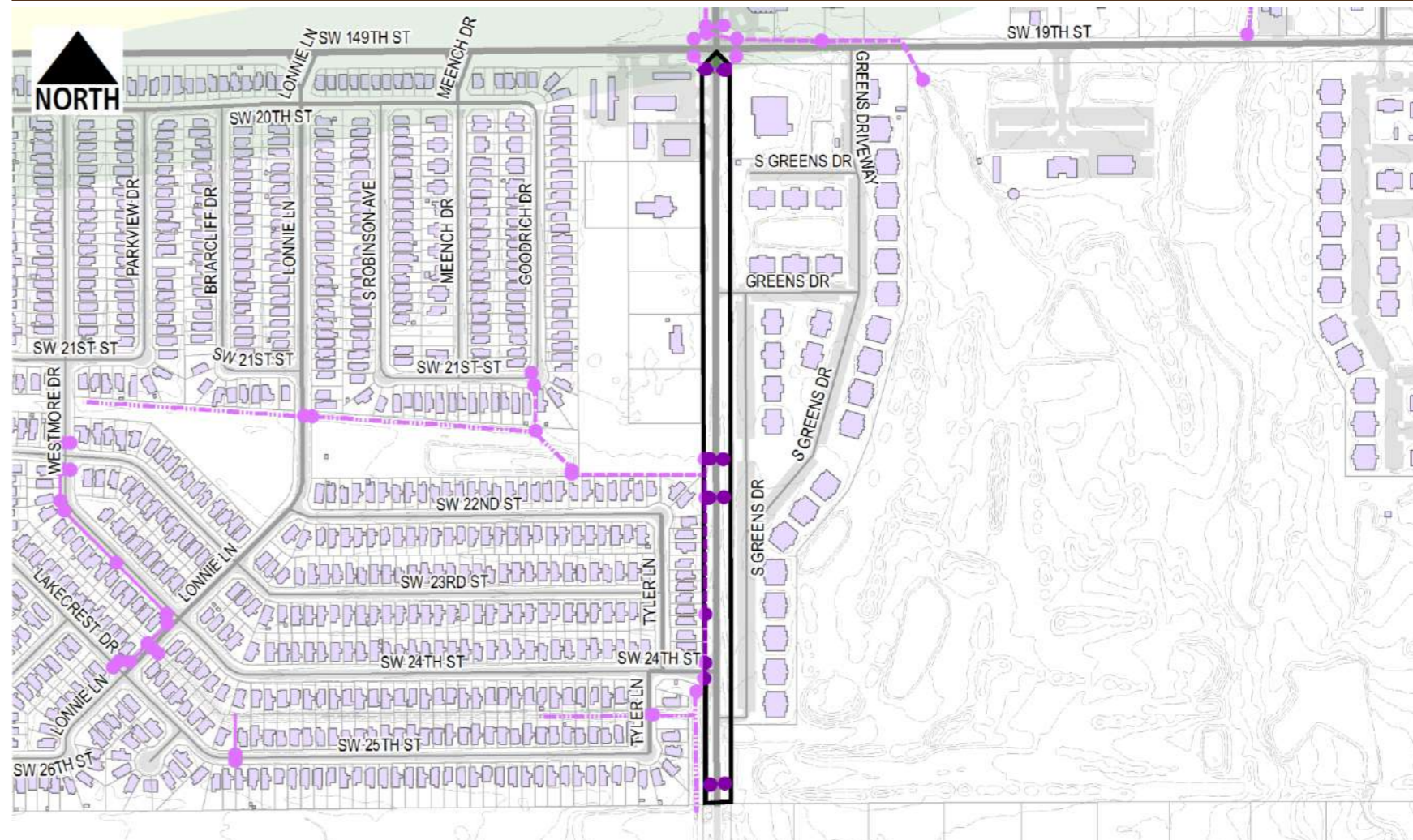
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	1037			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	15			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	1037	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	1037	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	15	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	1037	1.00	10.00	10.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	1037	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	754	0.73	5.00	3.64
10 to 15-years	117	0.11	4.00	0.45
less than 10-years	0	0.00	2.00	0.00
Unknown	166	0.16	1.00	0.16

**Background Score 21.25**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	0	0.50	0.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 0.00**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Santa Fe Avenue  
**Assessment Sub-Area** SF1  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	124	0.12	2.00	0.24
Length Outside Damage Area prior to Disaster (ft)	913	0.88	1.00	0.88
<b>Damage Score</b>				<b>1.12</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2022.06.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	913	0.88	10.00	8.80
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>8.80</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **32.17**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Southgate  
 Assessment Sub-Area SG3  
 Infrastructure Category Drainage  
 Exhibit Group E.4

**Assessment Data**

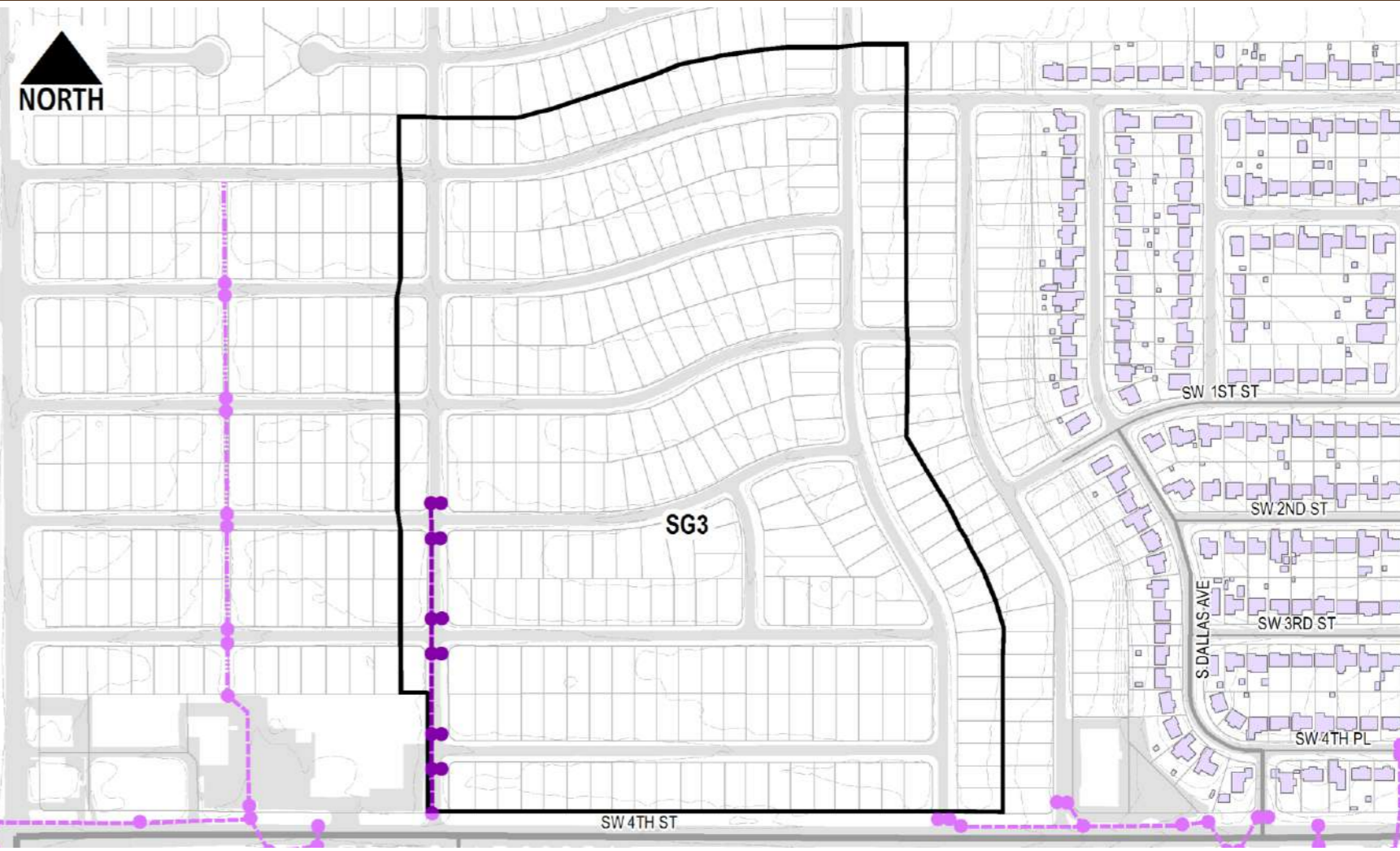
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	925			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	12			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	925	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	925	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	12	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	19	0.02	10.00	0.21
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	925	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	925	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00

**Background Score 17.21**

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	79	0.50	39.50
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	6	0.50	3.00				

**Condition Score 42.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Southgate  
 Assessment Sub-Area SG3  
 Infrastructure Category Drainage  
 Exhibit Group E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	623	0.67	1.00	0.67
<b>Damage Score</b>				<b>0.67</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.02.3	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	Yes	1.00	5.00	5.00
<b>LMI Score</b>				<b>5.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>15.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SG3: RECONSTRUCTION OF ALL PUBLIC STORM SEWER	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>5.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **86.38**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Southgate  
 Assessment Sub-Area SG4  
 Infrastructure Category Drainage  
 Exhibit Group E.4

**Assessment Data**

Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	128			
Total Drainage Channel Length (ft)	1160			
Total Storm Sewer Structures (ea)	8			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	128	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	128	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	8	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	1288	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	128	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00

**Background Score 17.00**

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	22	0.50	11.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	11	0.50	5.50	D12 - evidence of ponding	64	0.50	32.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 48.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Southgate  
 Assessment Sub-Area SG4  
 Infrastructure Category Drainage  
 Exhibit Group E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	34	0.27	1.00	0.27
<b>Damage Score</b>				<b>0.27</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.02.3	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	Yes	1.00	5.00	5.00
<b>LMI Score</b>				<b>5.00</b>

**Infrastructure Photographs**

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>



Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>15.00</b>



Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SG4: RECONSTRUCTION OF ALL PUBLIC STORM SEWER	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>5.00</b>

Infrastructure Rating Index (IRI) **91.77**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Southgate  
 Assessment Sub-Area SG5  
 Infrastructure Category Drainage  
 Exhibit Group E.4

**Assessment Data**

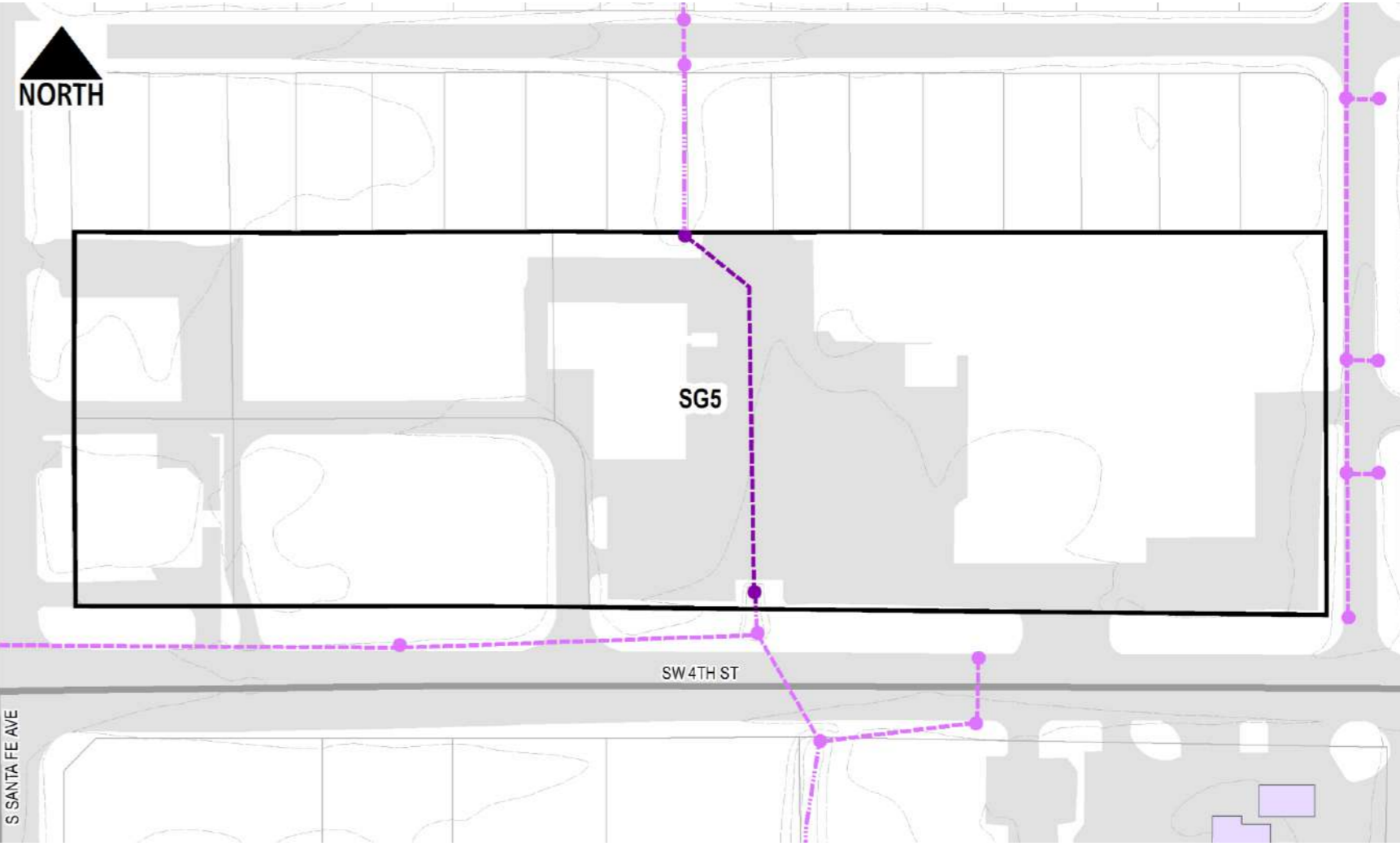
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	300			
Total Drainage Channel Length (ft)	20			
Total Storm Sewer Structures (ea)	2			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	300	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	300	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	2	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	12	0.04	10.00	0.38
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	319	1.00	2.00	1.99
<b>Age</b>				
More than 20-years	300	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00

**Background Score 17.37**

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	1	0.50	0.50	D11 - exposed reinforcing steel	1	0.50	0.50
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	0	0.50	0.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	1	0.50	0.50				

**Condition Score 1.50**





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Southgate  
 Assessment Sub-Area SG5  
 Infrastructure Category Drainage  
 Exhibit Group E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	300	1.00	1.00	1.00
<b>Damage Score</b>				<b>1.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.02.3	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	Yes	1.00	5.00	5.00
<b>LMI Score</b>				<b>5.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>15.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SG5: RECONSTRUCTION OF ALL PUBLIC STORM SEWER	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>5.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **45.87**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Southmoor  
Assessment Sub-Area SM2  
Infrastructure Category Drainage  
Exhibit Group E.4

### Assessment Data

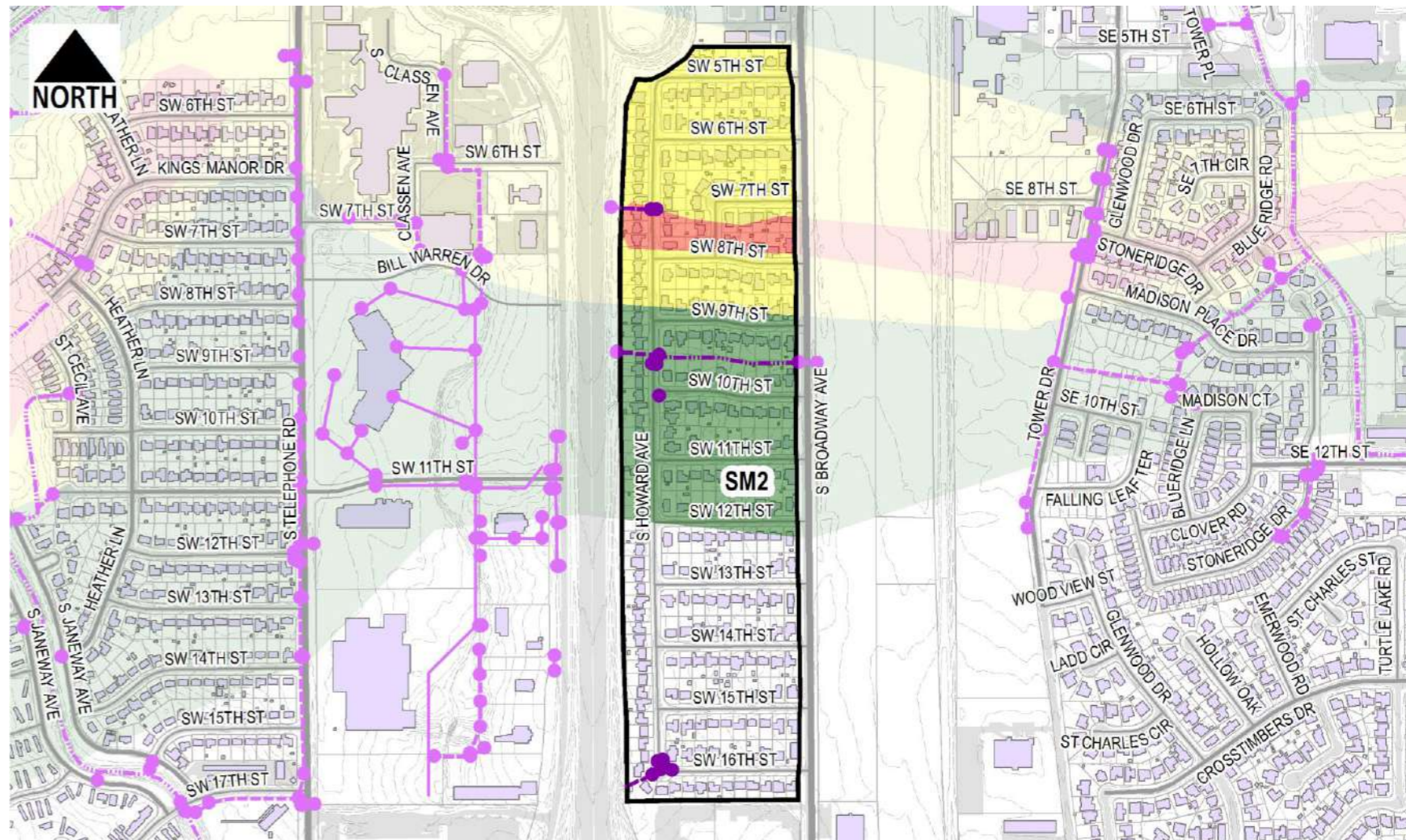
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	745			
Total Drainage Channel Length (ft)	645			
Total Storm Sewer Structures (ea)	13			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	745	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	745	1.00	2.00	2.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	13	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	1390	1.00	10.00	10.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	1390	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	744	1.00	10.00	9.99
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	1	0.00	1.00	0.00

**Background Score 26.99**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	42	0.50	21.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 21.00**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Southmoor  
**Assessment Sub-Area** SM2  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	143	0.19	10.00	1.92
Length within EF2 to EF4 Damage Area prior to disaster (ft)	29	0.04	5.00	0.19
Length within EF0 to EF2 Damage Area prior to disaster (ft)	250	0.34	2.00	0.67
Length Outside Damage Area prior to Disaster (ft)	323	0.43	1.00	0.43
<b>Damage Score</b>				<b>3.22</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	Yes	1.00	5.00	5.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q16: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q17: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
<b>Recovery/Revitalization Score</b>				<b>25.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
<b>Sustainability Score</b>				<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA SM2: CONSTRUCTION OF NEW PUBLIC STORM SEWER THROUGHOUT SUB-AREA	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>5.00</b>

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	324	0.43	10.00	4.35
Length within 0.25-mi of Emergency Response Facility (ft)	324	0.43	5.00	2.17
<b>Proximity Score</b>				<b>6.52</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **93.73**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Tower Drive District  
 Assessment Sub-Area TD3  
 Infrastructure Category Drainage  
 Exhibit Group E.4

**Assessment Data**

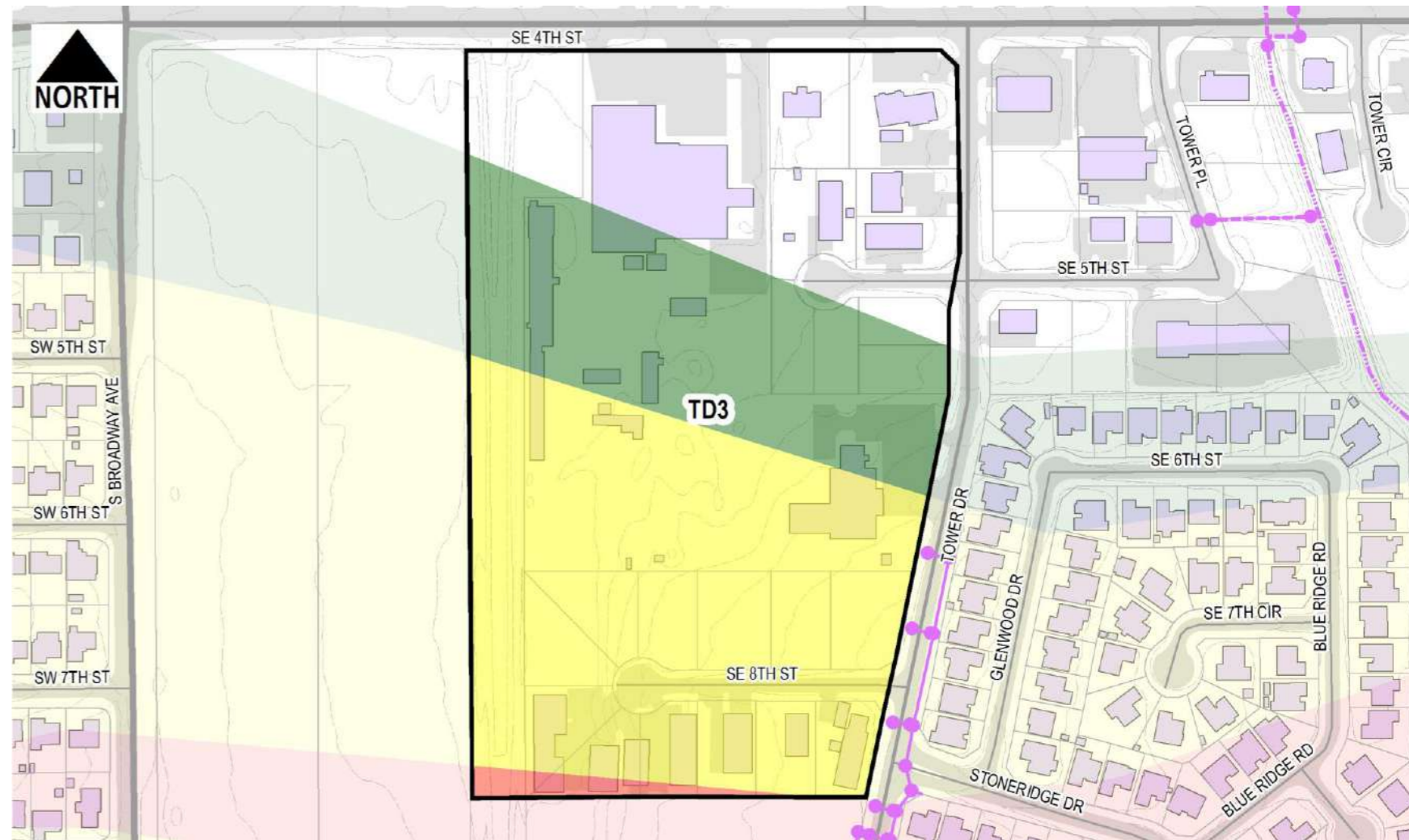
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	0			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	0			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	0	0.00	1.00	0.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	0	0.00	2.00	0.00
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	0	0.00	2.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00

**Background Score 0.00**

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	2	0.50	1.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 1.00**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Tower Drive District  
**Assessment Sub-Area** TD3  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>0.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
<b>Health and Safety Score</b>				<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **1.00**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Tower Drive  
Assessment Sub-Area TW1  
Infrastructure Category Drainage  
Exhibit Group E.4

## Assessment Data

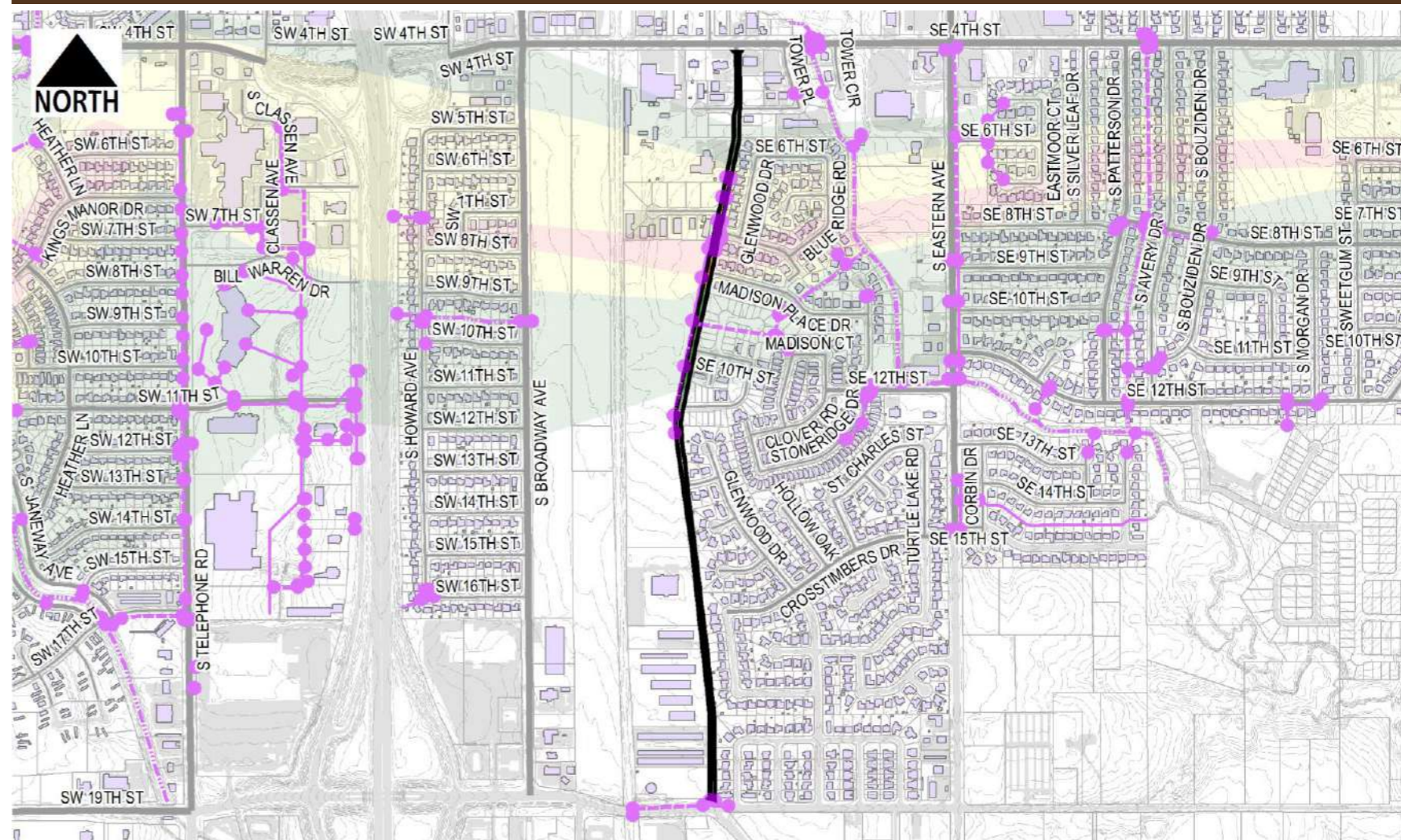
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

## Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	1553			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	21			
<b>Line Size</b>				
RCB	0	0.00	10.00	0.00
Diameter 36-in equivalent or greater (ft)	411	0.26	10.00	2.65
Diameter 18-in to 30-in equivalent (ft)	269	0.17	5.00	0.87
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	873	0.56	1.00	0.56
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	680	0.44	5.00	2.19
Length of Unknown (ft)	873	0.56	2.00	1.12
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	5	0.24	5.00	1.19
Structures within "Low Concrete Corrosion Potential" (ea)	16	0.76	2.00	1.52
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	1553	1.00	10.00	10.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	105	0.07	5.00	0.34
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	1449	0.93	2.00	1.87
<b>Age</b>				
More than 20-years	520	0.33	10.00	3.35
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	1	0.00	2.00	0.00
Unknown	1032	0.66	1.00	0.66

**Background Score 26.32**

## Key Map



## Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	1	0.50	0.50
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 0.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Tower Drive  
**Assessment Sub-Area** TW1  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	164	0.11	10.00	1.06
Length within EF2 to EF4 Damage Area prior to disaster (ft)	516	0.33	5.00	1.66
Length within EF0 to EF2 Damage Area prior to disaster (ft)	540	0.35	2.00	0.70
Length Outside Damage Area prior to Disaster (ft)	333	0.21	1.00	0.21
<b>Damage Score</b>				<b>3.63</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q11: Improvements would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	35	0.02	10.00	0.23
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.23</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **31.67**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Warren Theater  
 Assessment Sub-Area WT1  
 Infrastructure Category Drainage  
 Exhibit Group E.4

### Assessment Data

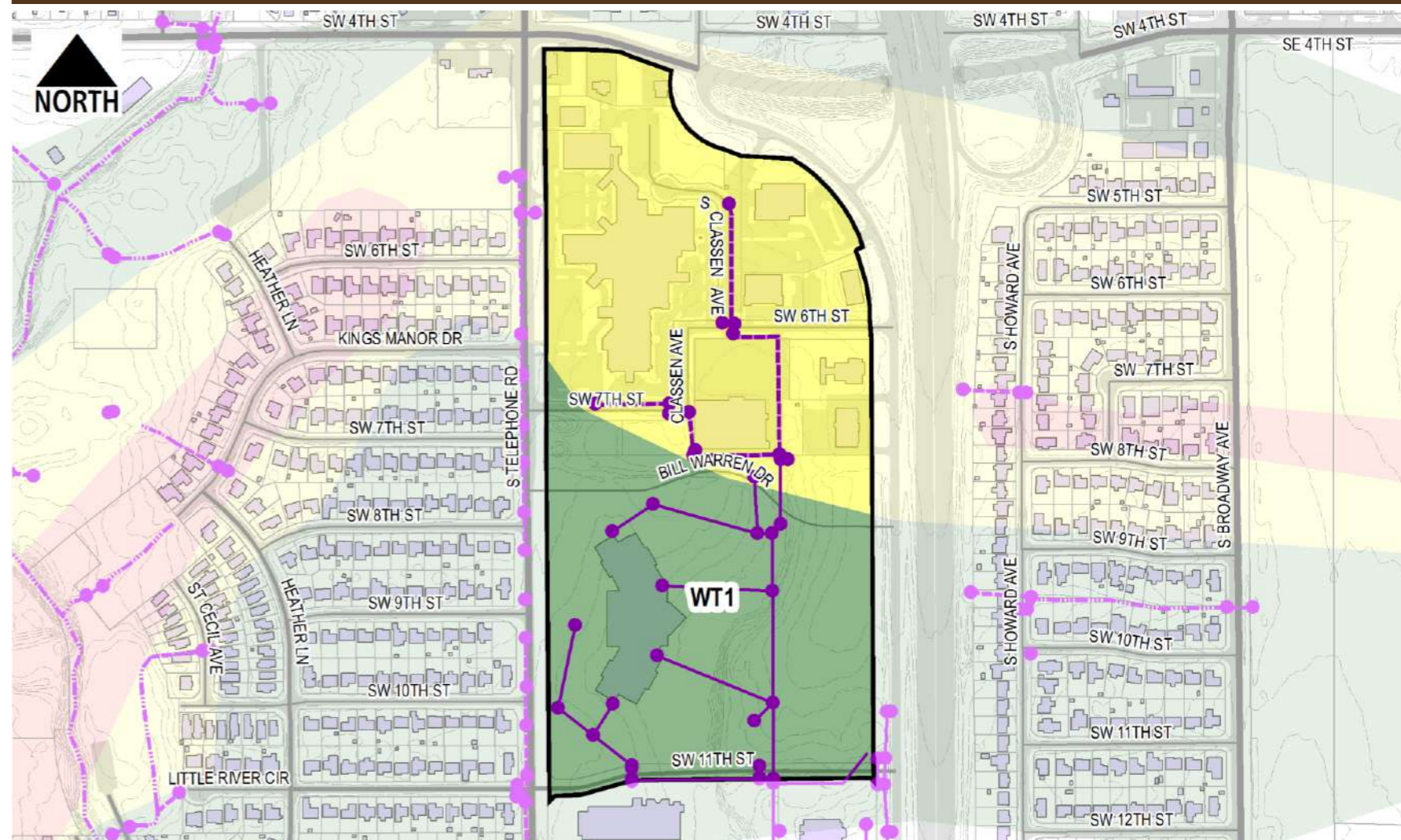
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	5904			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	36			
<b>Line Size</b>				
RCB	1184	0.20	10.00	2.01
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	5904	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	0	0.00	5.00	0.00
Length of Unknown (ft)	4720	0.80	2.00	1.60
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Structures within "Low Concrete Corrosion Potential" (ea)	36	1.00	2.00	2.00
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	5315	0.90	10.00	9.00
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	589	0.10	5.00	0.50
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	0	0.00	5.00	0.00
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	5904	1.00	2.00	2.00
<b>Age</b>				
More than 20-years	1827	0.31	10.00	3.09
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	4077	0.69	2.00	1.38
Unknown	0	0.00	1.00	0.00

**Background Score 22.58**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	0	0.50	0.00
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 0.00**





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Warren Theater  
**Assessment Sub-Area** WT1  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1959	0.33	5.00	1.66
Length within EF0 to EF2 Damage Area prior to disaster (ft)	3945	0.67	2.00	1.34
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>3.00</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.2	1.00	10.00	10.00
Q11: Improvements would benefit LMI Census Block Group	Yes	1.00	5.00	5.00
<b>LMI Score</b>				<b>15.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	Yes	1.00	1.00	1.00
<b>Health and Safety Score</b>				<b>1.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	5792	0.98	10.00	9.81
Length within 0.25-mi of Emergency Response Facility (ft)	5792	0.98	5.00	4.91
<b>Proximity Score</b>				<b>14.72</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **56.29**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Warren Theater  
 Assessment Sub-Area WT3  
 Infrastructure Category Drainage  
 Exhibit Group E.4

**Assessment Data**

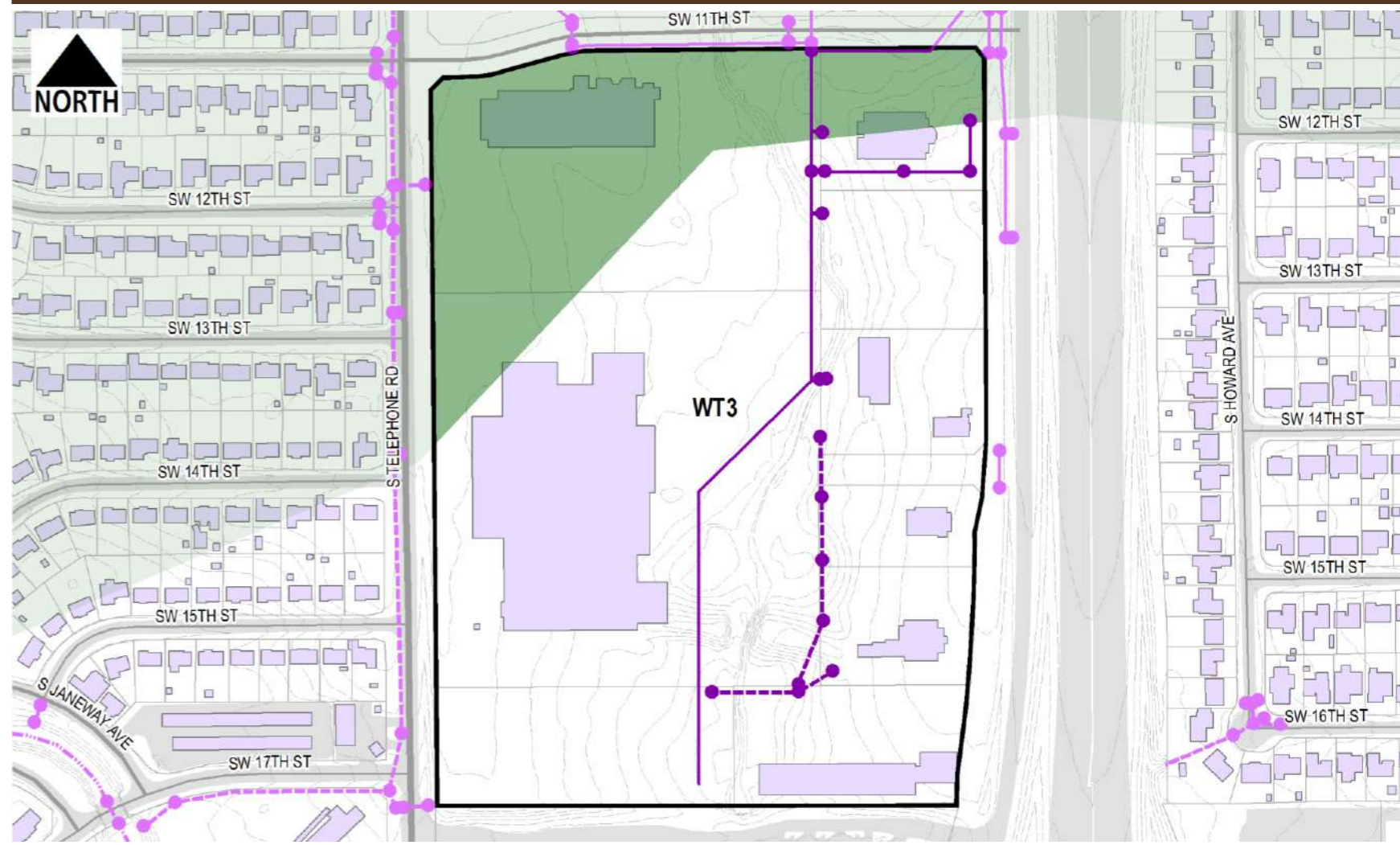
Description	Value
Assessment By	J.Cotton / A.Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Storm Sewer Line Length (ft)	3003			
Total Drainage Channel Length (ft)	0			
Total Storm Sewer Structures (ea)	18			
<b>Line Size</b>				
RCB	1625	0.54	10.00	5.41
Diameter 36-in equivalent or greater (ft)	0	0.00	10.00	0.00
Diameter 18-in to 30-in equivalent (ft)	0	0.00	5.00	0.00
Diameter Less than 18-in equivalent (ft)	0	0.00	1.00	0.00
Diameter Unknown (ft)	3003	1.00	1.00	1.00
<b>Material</b>				
Length of Corrugated Metal (ft)	0	0.00	10.00	0.00
Length of Concrete (ft)	140	0.05	5.00	0.23
Length of Unknown (ft)	1239	0.41	2.00	0.83
<b>Corrosion</b>				
Structures within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Structures within "Medium Concrete Corrosion Potential" (ea)	2	0.11	5.00	0.56
Structures within "Low Concrete Corrosion Potential" (ea)	16	0.89	2.00	1.78
Drainage Infrastructure within "High Steel Corrosion Potential" (ea)	418	0.14	10.00	1.39
Drainage Infrastructure within "Medium Steel Corrosion Potential" (ea)	2585	0.86	5.00	4.30
Drainage Infrastructure within "Low Steel Corrosion Potential" (ea)	0	0.00	2.00	0.00
Drainage Infrastructure within "High Concrete Corrosion Potential" (ea)	0	0.00	10.00	0.00
Drainage Infrastructure within "Medium Concrete Corrosion Potential" (ea)	219	0.07	5.00	0.36
Drainage Infrastructure within "Low Concrete Corrosion Potential" (ea)	2785	0.93	2.00	1.85
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	3003	1.00	2.00	2.00
Unknown	0	0.00	1.00	0.00

**Background Score 19.72**

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
D1 - Grate or hood damage	0	0.50	0.00	D8 - Apparent previous maintenance	0	0.50	0.00
D2 - Improper inlet elevation	0	0.50	0.00	D9 - Channel maintenance required	0	0.50	0.00
D3 - Improper inlet placement	0	0.50	0.00	D10 - Channel damage from erosion	0	0.50	0.00
D4 - Insufficient armoring	0	0.50	0.00	D11 - exposed reinforcing steel	0	0.50	0.00
D5 - Indications of insufficient capacity	0	0.50	0.00	D12 - evidence of ponding	1	0.50	0.50
D6 - Brick Structure	0	0.50	0.00				
D7 - Damage Structure	0	0.50	0.00				

**Condition Score 0.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Warren Theater  
**Assessment Sub-Area** WT3  
**Infrastructure Category** Drainage  
**Exhibit Group** E.4

Damage Score				
Description	Value	Fraction of Historical Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	454	0.15	2.00	0.30
Length Outside Damage Area prior to Disaster (ft)	2549	0.85	1.00	0.85
<b>Damage Score</b>				<b>1.15</b>

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q10: Census Block Group	40027.2016.04.2	1.00	10.00	10.00
Q11: Improvements would benefit LMI Census Block Group	Yes	1.00	5.00	5.00
<b>LMI Score</b>				<b>15.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q12: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
<b>Health and Safety Score</b>				<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q13: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q14: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q15: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q16: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q17: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q18: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Proximity Analysis				
Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical User (ft)	31	0.01	10.00	0.10
Length within 0.25-mi of Emergency Response Facility (ft)	31	0.01	5.00	0.05
<b>Proximity Score</b>				<b>0.15</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **36.52**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Bryant Avenue  
 Assessment Sub-Area BA1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

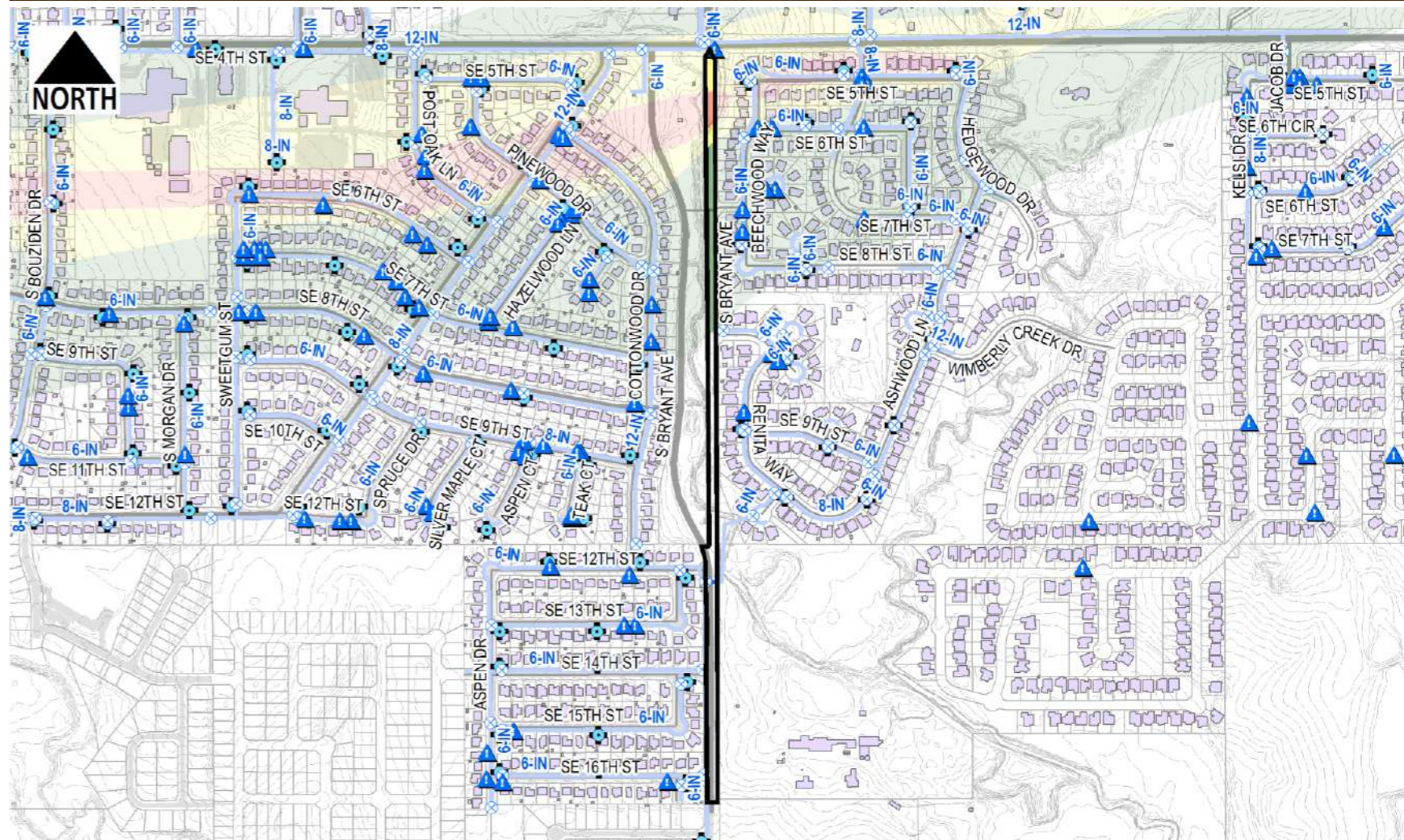
#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	1280			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	1264	0.99	10.00	9.88
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	16	0.01	1.00	0.01
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	1280	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	0	0.00	10.00	0.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	1280	1.00	0.00	0.00
<b>Age</b>				
More than 20-years	1217	0.95	10.00	9.51
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	63	0.05	1.00	0.05
<b>Background Score</b>				<b>24.44</b>

#### Key Map



#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	1280	1.00	1.00	1.00
<b>Damage Score</b>				<b>1.00</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	1022	0.80	10.00	7.98
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>7.98</b>

#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Bryant Avenue  
**Assessment Sub-Area** BA1  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.07.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **33.43**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Bryant Avenue  
 Assessment Sub-Area BA2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

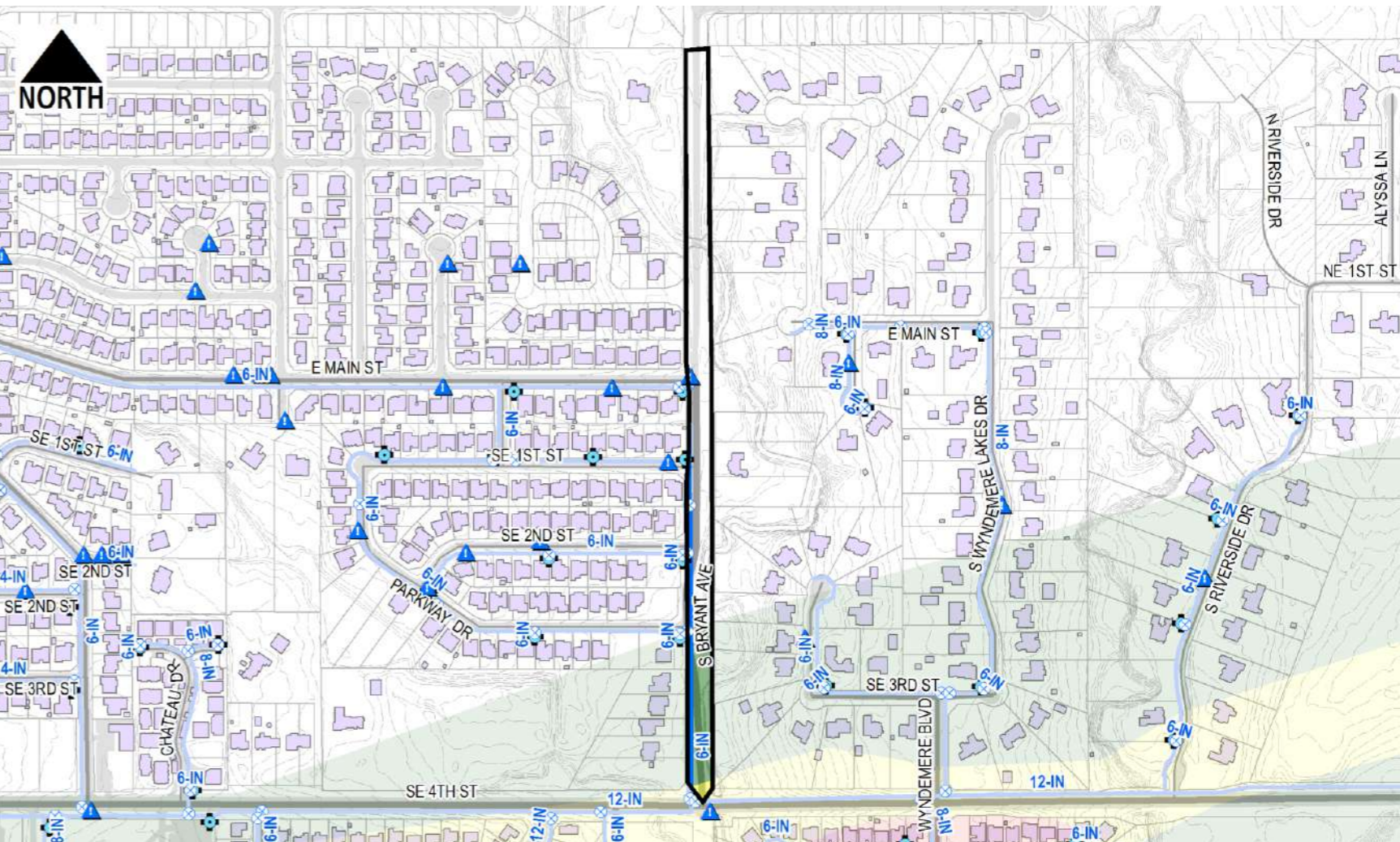
## Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

## Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	1823			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	1425	0.78	10.00	7.82
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	398	0.22	1.00	0.22
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	1823	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	0	0.00	10.00	0.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	1823	1.00	0.00	0.00
<b>Age</b>				
More than 20-years	436	0.24	10.00	2.39
15 to 20-years	1364	0.75	5.00	3.74
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	23	0.01	1.00	0.01
<b>Background Score</b>				<b>19.18</b>

## Key Map



## Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	44	0.02	5.00	0.12
Length within EF0 to EF2 Damage Area prior to disaster (ft)	900	0.49	2.00	0.99
Length Outside Damage Area prior to Disaster (ft)	879	0.48	1.00	0.48
<b>Damage Score</b>				<b>1.59</b>

## Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>

## Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Bryant Avenue  
 Assessment Sub-Area BA2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.06.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **20.77**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area: Broadway Avenue  
 Assessment Sub-Area: BR1  
 Infrastructure Category: Water Distribution  
 Exhibit Group: E.5

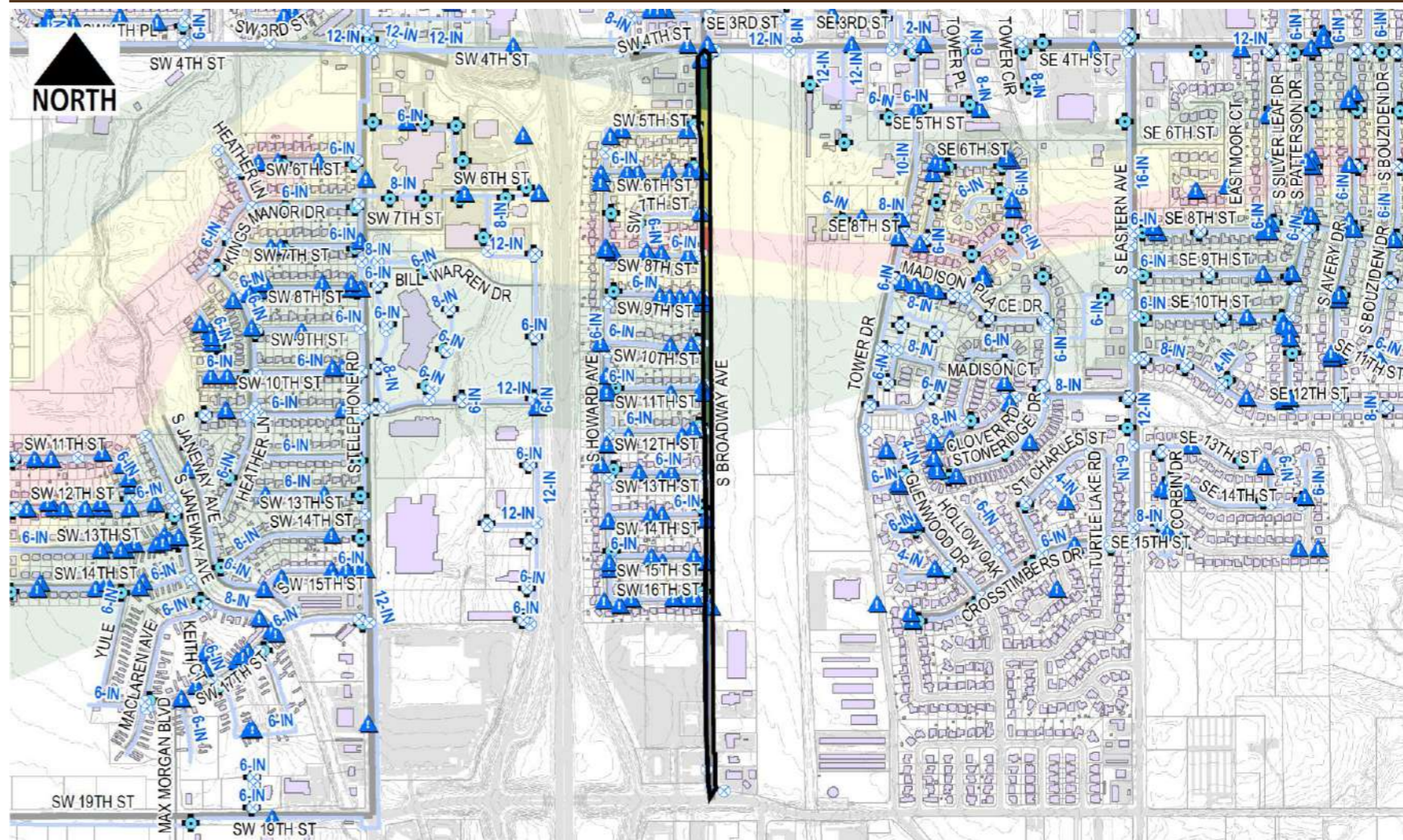
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	5198			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	51	0.01	10.00	0.10
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	5147	0.99	1.00	0.99
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	5198	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	5198	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	3753	0.72	10.00	7.22
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	1446	0.28	1.00	0.28
<b>Background Score</b>				<b>23.59</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	172	0.03	10.00	0.33
Length within EF2 to EF4 Damage Area prior to disaster (ft)	989	0.19	5.00	0.95
Length within EF0 to EF2 Damage Area prior to disaster (ft)	1517	0.29	2.00	0.58
Length Outside Damage Area prior to Disaster (ft)	1353	0.26	1.00	0.26
<b>Damage Score</b>				<b>2.13</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Broadway Avenue  
 Assessment Sub-Area BR1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **35.71**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Baer's Westmoore  
 Assessment Sub-Area BW2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	11992			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	153	0.01	10.00	0.13
Diameter 8-in to 12-in (ft)	2681	0.22	5.00	1.12
Diameter 4-in to 6-in (ft)	9158	0.76	1.00	0.76
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	11992	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	11992	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	10072	0.84	10.00	8.40
15 to 20-years	1687	0.14	5.00	0.70
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	234	0.02	1.00	0.02
<b>Background Score</b>				<b>26.13</b>

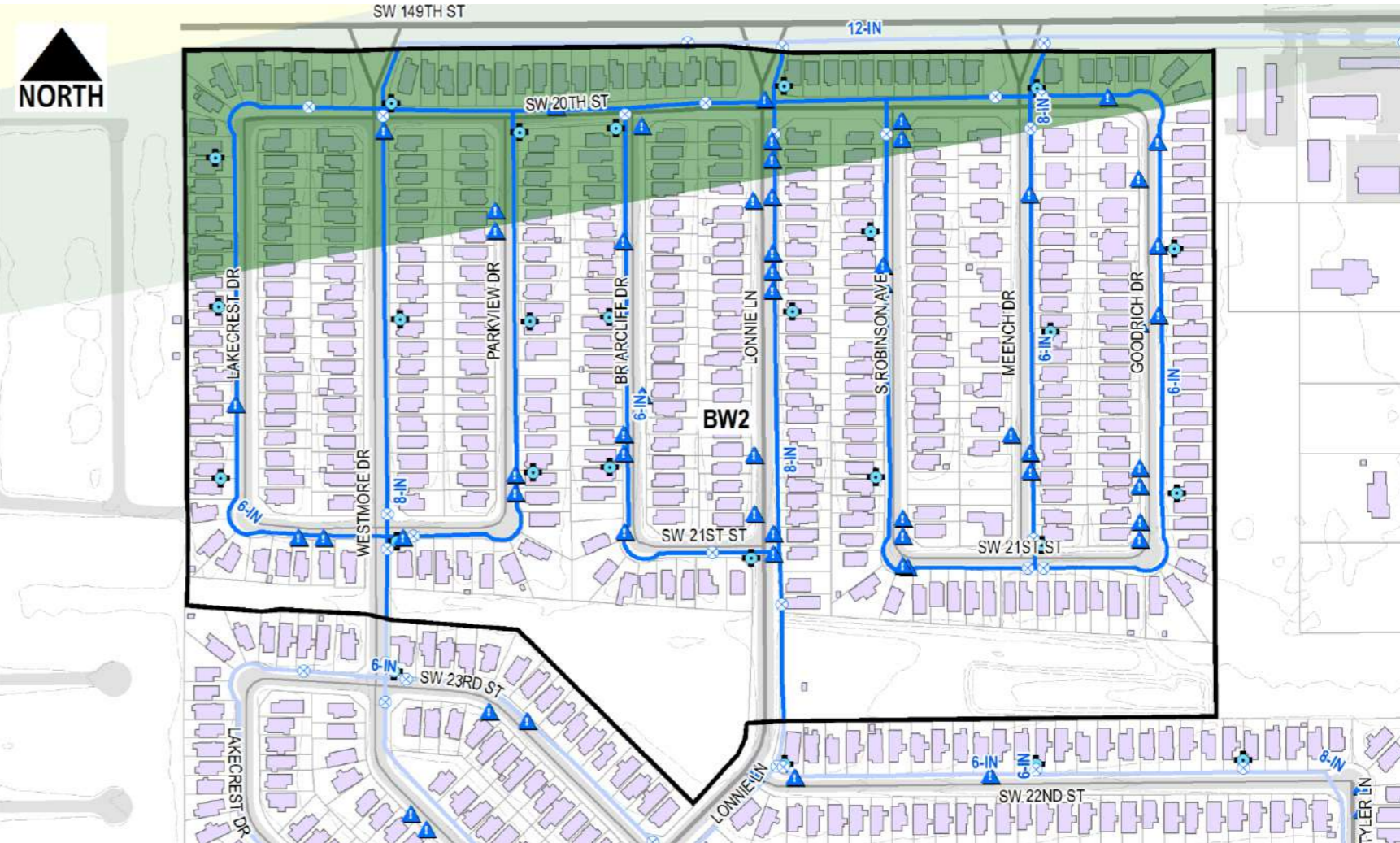
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	3777	0.31	2.00	0.63
Length Outside Damage Area prior to Disaster (ft)	8216	0.69	1.00	0.69
<b>Damage Score</b>				<b>1.32</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	168	0.01	10.00	0.14
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.14</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	15	0.15	2.25
W2 - Damaged Hydrant	9	0.15	1.35
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	12	0.15	1.80
W6 - Maintenance Event (2004-2014)	58	0.15	8.70
<b>Condition Score</b>			<b>14.10</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Baer's Westmoore  
 Assessment Sub-Area BW2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2022.05.2	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>15.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA BW2: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **61.69**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Eastern Avenue  
 Assessment Sub-Area EA1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

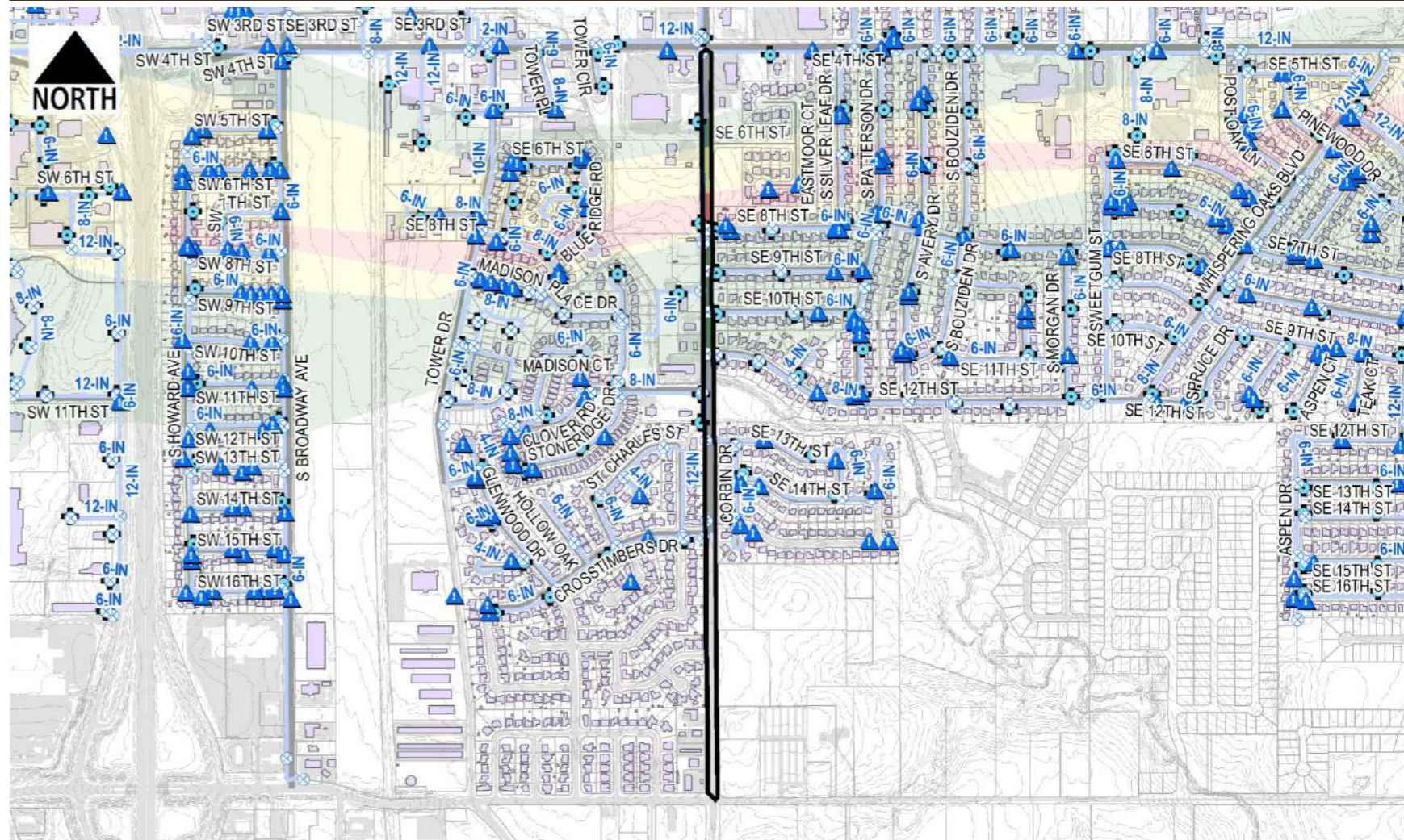
#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	4011			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	3500	0.87	10.00	8.73
Diameter 8-in to 12-in (ft)	184	0.05	5.00	0.23
Diameter 4-in to 6-in (ft)	328	0.08	1.00	0.08
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	4011	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	3432	0.86	10.00	8.56
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	579	0.14	0.00	0.00
<b>Age</b>				
More than 20-years	2128	0.53	10.00	5.31
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	1884	0.47	1.00	0.47
<b>Background Score</b>				<b>28.37</b>

#### Key Map



#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	265	0.07	10.00	0.66
Length within EF2 to EF4 Damage Area prior to disaster (ft)	437	0.11	5.00	0.54
Length within EF0 to EF2 Damage Area prior to disaster (ft)	1311	0.33	2.00	0.65
Length Outside Damage Area prior to Disaster (ft)	1999	0.50	1.00	0.50
<b>Damage Score</b>				<b>2.36</b>

#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	4011	1.00	10.00	10.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>10.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Eastern Avenue  
 Assessment Sub-Area EA1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.05.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **40.73**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Eastmoor / JD Estates  
 Assessment Sub-Area EJ2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	19170			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	2680	0.14	5.00	0.70
Diameter 4-in to 6-in (ft)	16490	0.86	1.00	0.86
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	19170	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	17029	0.89	10.00	8.88
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	2141	0.11	0.00	0.00
<b>Age</b>				
More than 20-years	19170	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>25.44</b>

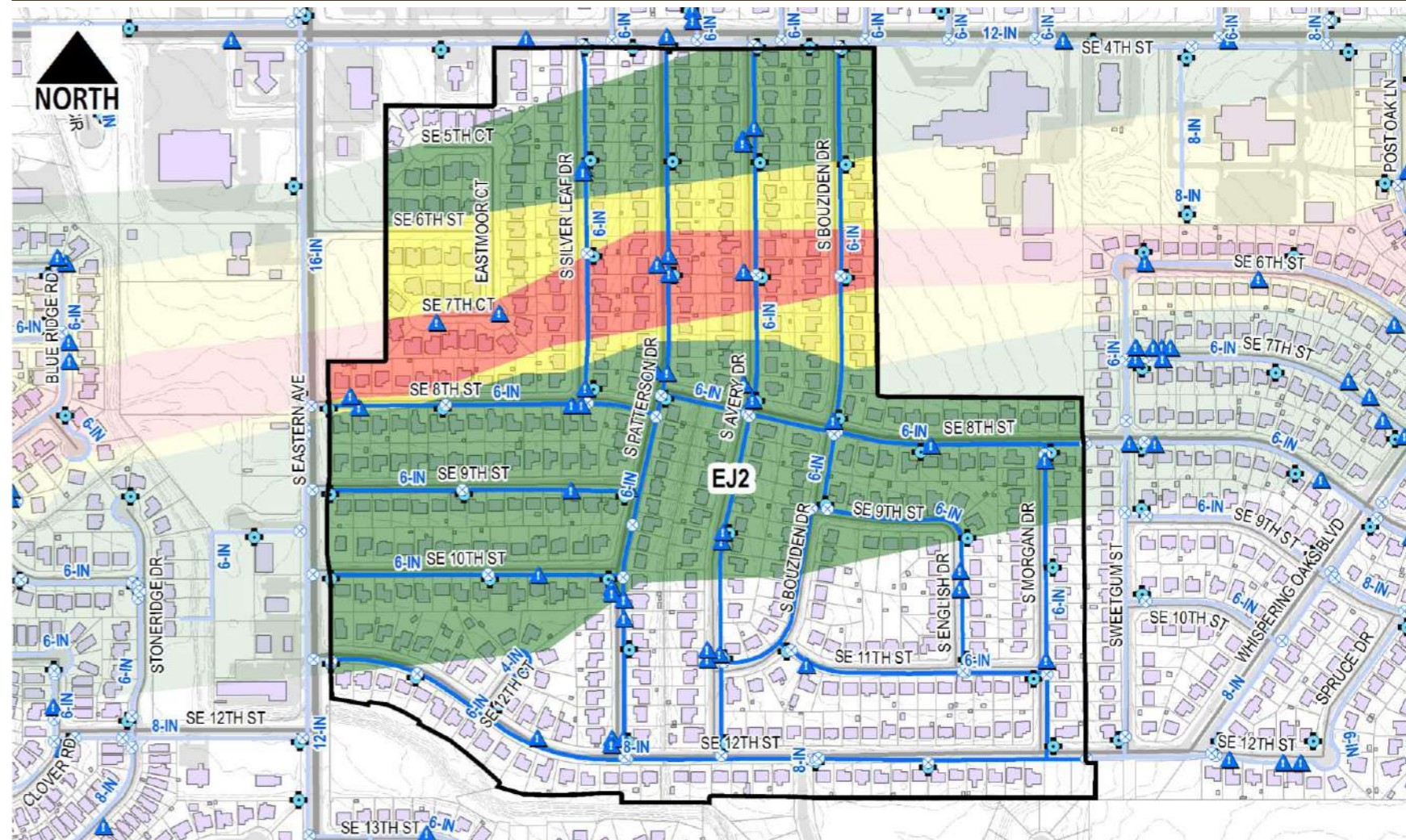
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	1103	0.06	10.00	0.58
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1576	0.08	5.00	0.41
Length within EF0 to EF2 Damage Area prior to disaster (ft)	9713	0.51	2.00	1.01
Length Outside Damage Area prior to Disaster (ft)	6778	0.35	1.00	0.35
<b>Damage Score</b>				<b>2.35</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	19130	1.00	10.00	9.98
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>9.98</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	7	0.15	1.05
W2 - Damaged Hydrant	2	0.15	0.30
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	28	0.15	4.20
W6 - Maintenance Event (2004-2014)	51	0.15	7.65
<b>Condition Score</b>			<b>13.20</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Eastmoor / JD Estates  
**Assessment Sub-Area** EJ2  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.05.3	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA EJ2: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **75.97**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Eastmoor / JD Estates  
 Assessment Sub-Area EJ4  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	617			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	617	1.00	5.00	5.00
Diameter 4-in to 6-in (ft)	0	0.00	1.00	0.00
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	617	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	61	0.10	10.00	0.99
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	556	0.90	0.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>10.99</b>

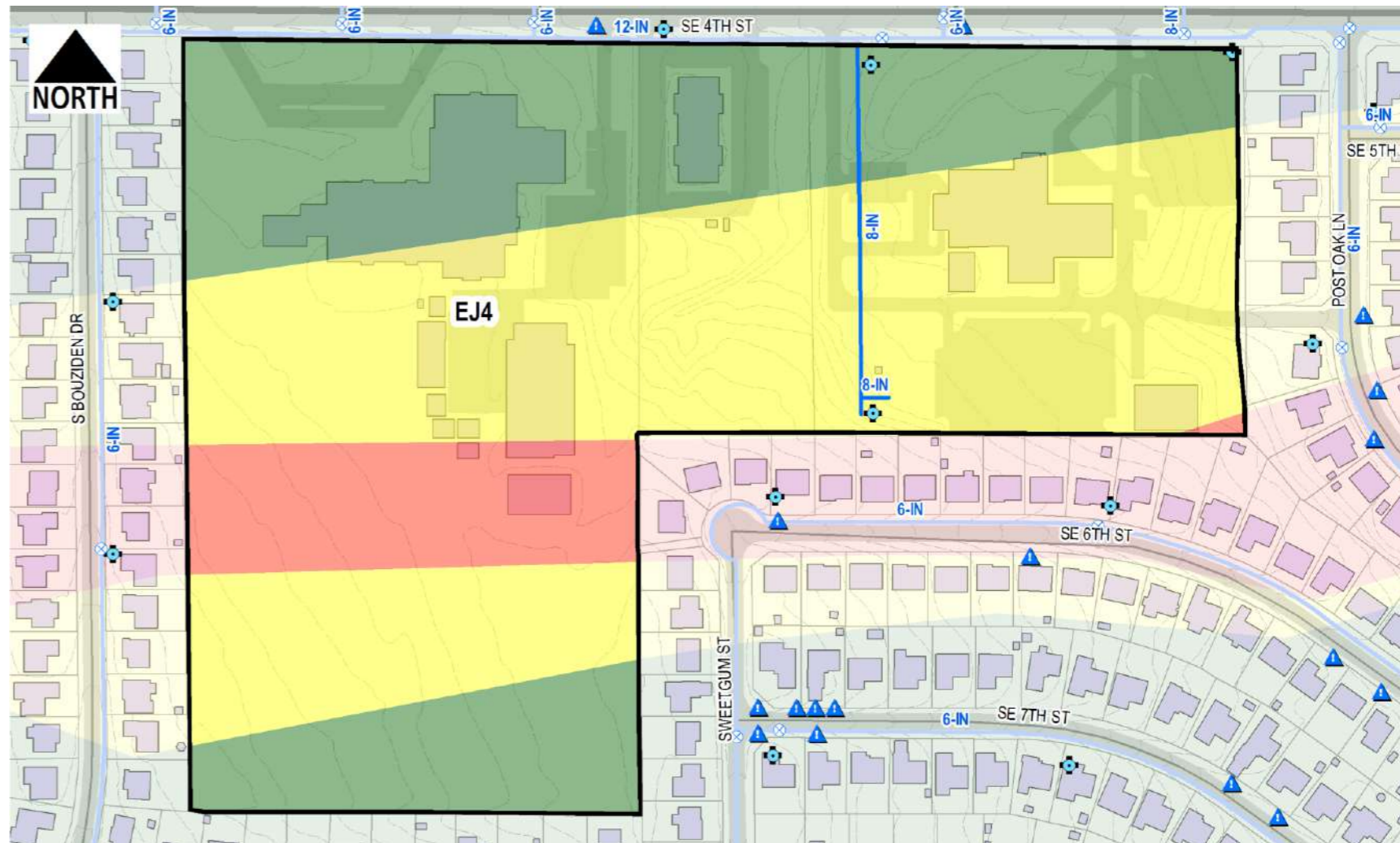
#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	401	0.65	5.00	3.25
Length within EF0 to EF2 Damage Area prior to disaster (ft)	215	0.35	2.00	0.70
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>3.95</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	617	1.00	10.00	10.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>10.00</b>

#### Key Map



#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	1	0.15	0.15
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.15</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Eastmoor / JD Estates  
 Assessment Sub-Area EJ4  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.05.3	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **25.09**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area: Eastmoor / JD Estates  
 Assessment Sub-Area: EJ5  
 Infrastructure Category: Water Distribution  
 Exhibit Group: E.5

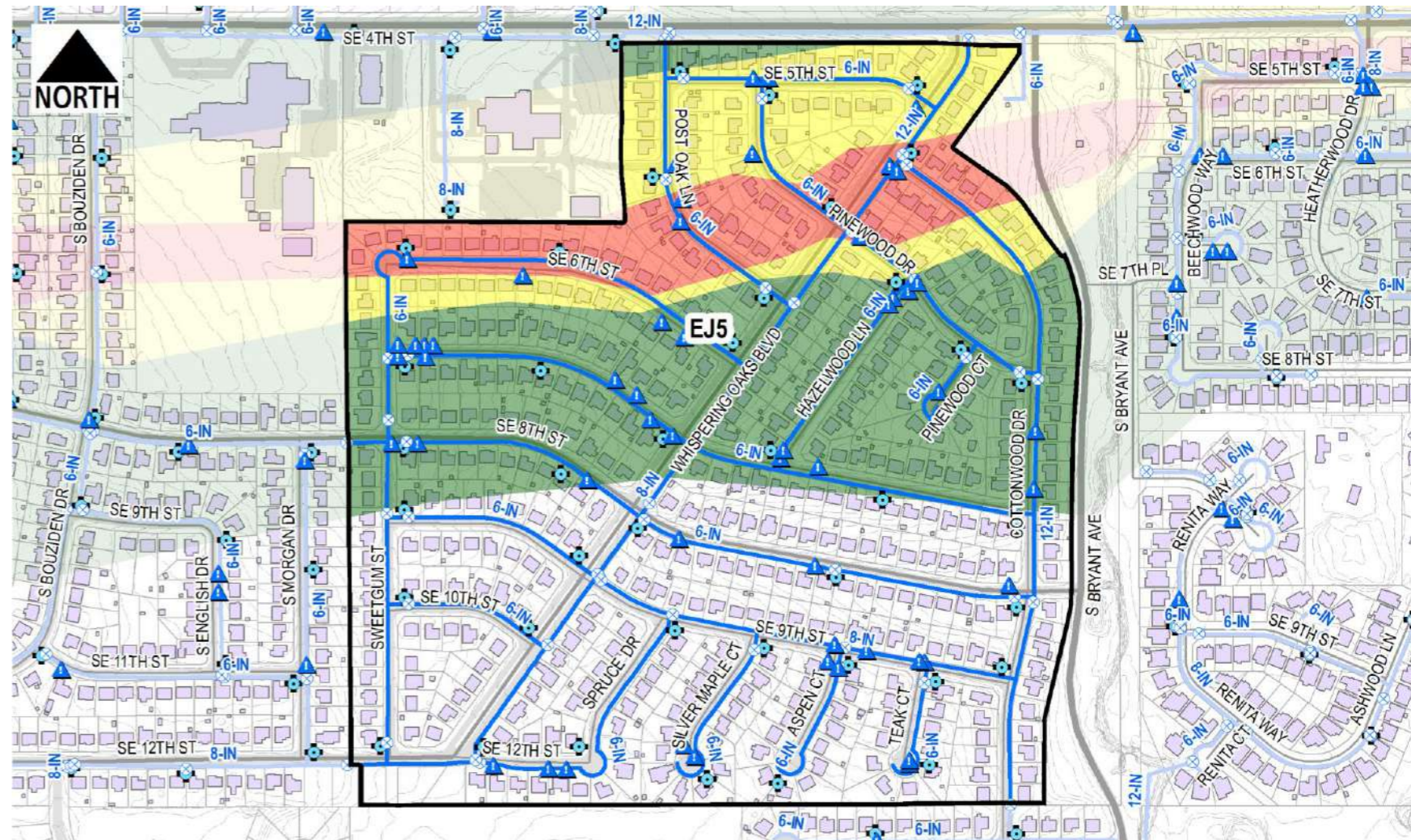
#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	23666			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	3124	0.13	10.00	1.32
Diameter 8-in to 12-in (ft)	3646	0.15	5.00	0.77
Diameter 4-in to 6-in (ft)	16896	0.71	1.00	0.71
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	23666	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	17464	0.74	10.00	7.38
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	6202	0.26	0.00	0.00
<b>Age</b>				
More than 20-years	23666	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>25.18</b>

#### Key Map



#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	2414	0.10	10.00	1.02
Length within EF2 to EF4 Damage Area prior to disaster (ft)	2983	0.13	5.00	0.63
Length within EF0 to EF2 Damage Area prior to disaster (ft)	7543	0.32	2.00	0.64
Length Outside Damage Area prior to Disaster (ft)	10726	0.45	1.00	0.45
<b>Damage Score</b>				<b>2.74</b>

#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	1	0.15	0.15
W2 - Damaged Hydrant	5	0.15	0.75
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	55	0.15	8.25
W6 - Maintenance Event (2004-2014)	60	0.15	9.00
<b>Condition Score</b>			<b>18.15</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	11114	0.47	10.00	4.70
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>4.70</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Eastmoor / JD Estates  
**Assessment Sub-Area** EJ5  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.05.3	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>15.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA EJ5: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **70.77**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Eastmoor / JD Estates  
 Assessment Sub-Area EJ6  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

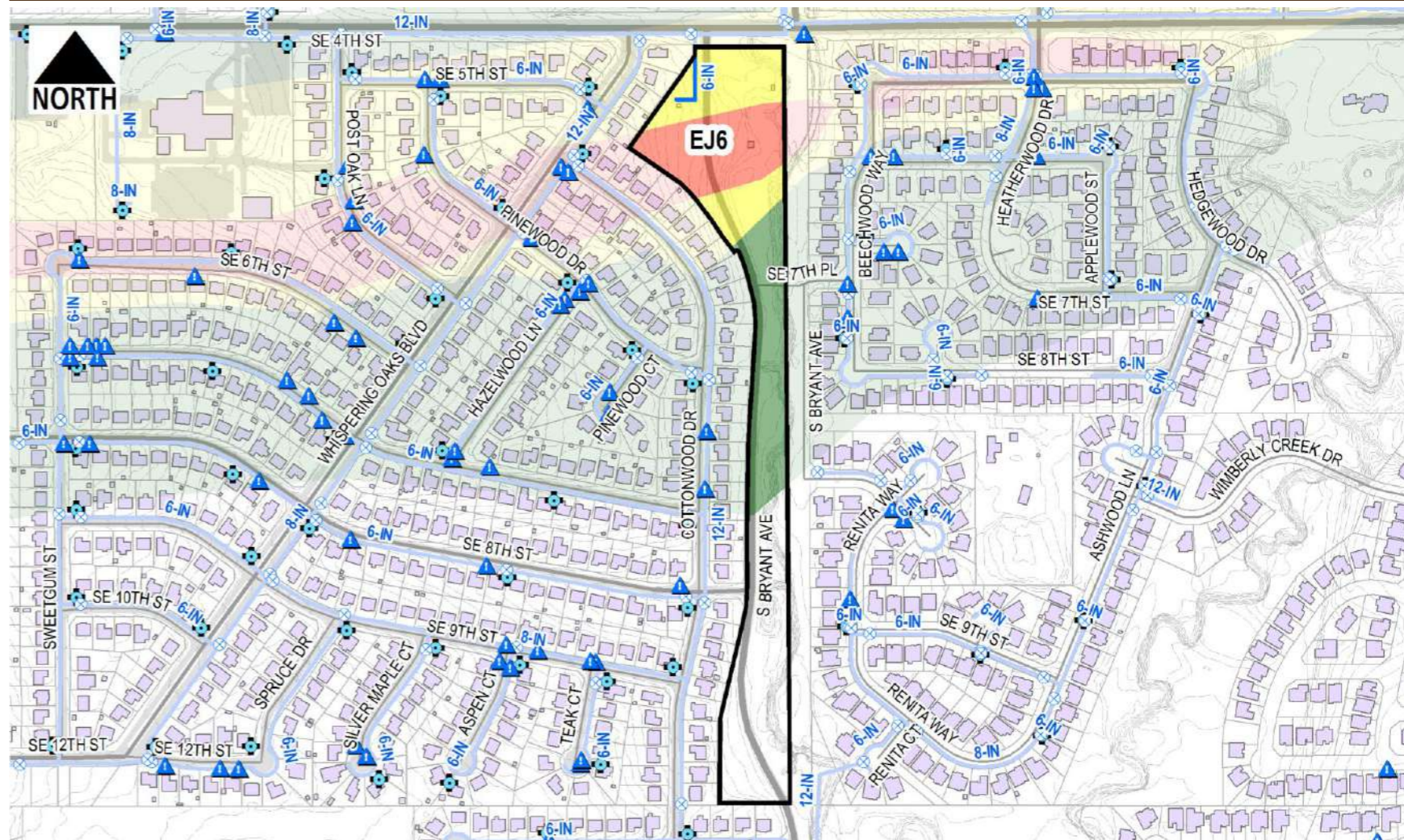
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	252			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	252	1.00	1.00	1.00
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	252	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	144	0.57	10.00	5.71
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	108	0.43	0.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>11.71</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	252	1.00	5.00	5.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>5.00</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Eastmoor / JD Estates  
**Assessment Sub-Area** EJ6  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.05.2	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA EJ6: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **31.71**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Heatherwood  
Assessment Sub-Area HW1  
Infrastructure Category Water Distribution  
Exhibit Group E.5

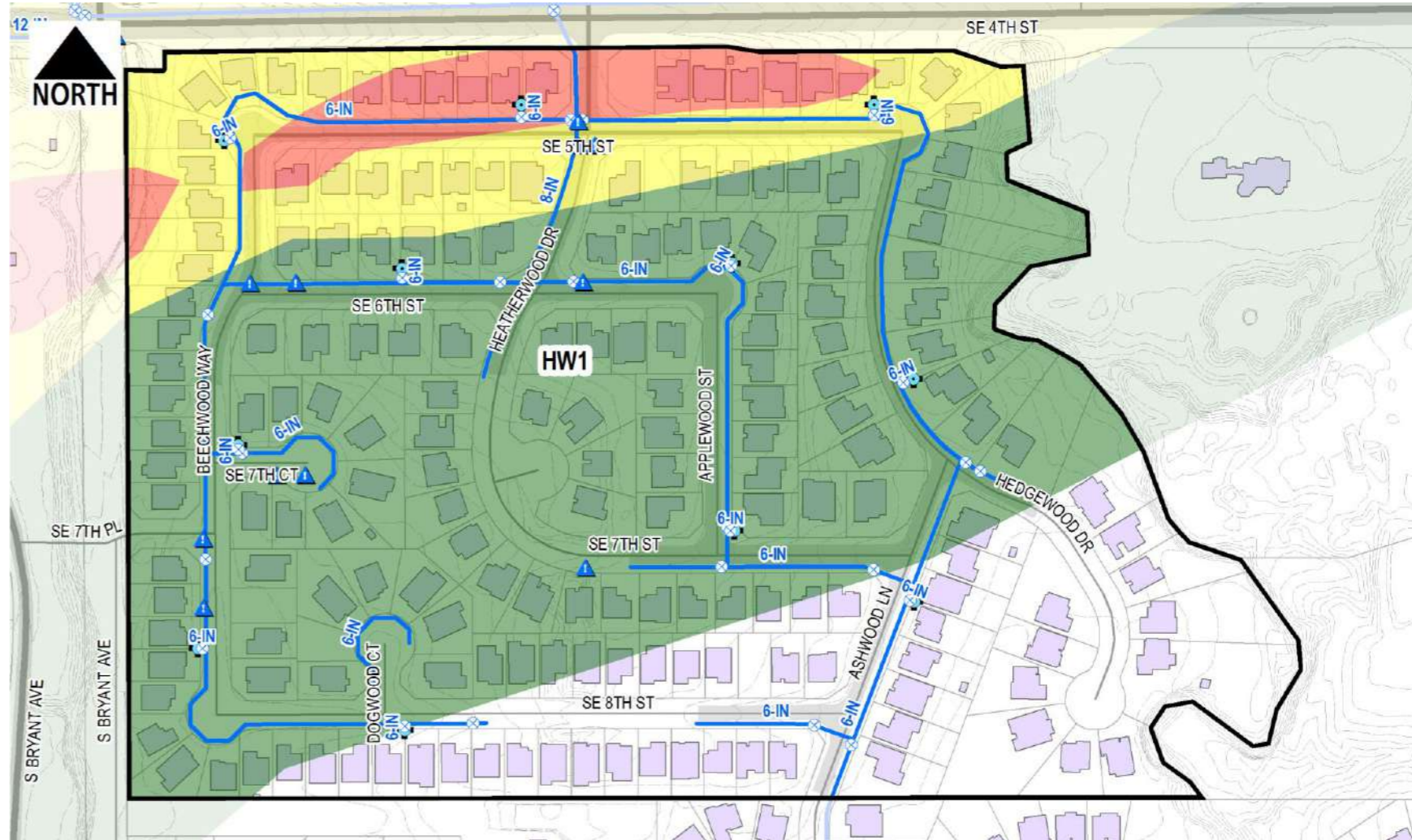
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	7669			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	587	0.08	5.00	0.38
Diameter 4-in to 6-in (ft)	7082	0.92	1.00	0.92
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	7669	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	671	0.09	10.00	0.87
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	6998	0.91	0.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	3980	0.52	5.00	2.59
10 to 15-years	3689	0.48	4.00	1.92
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>11.70</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	661	0.09	10.00	0.86
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1182	0.15	5.00	0.77
Length within EF0 to EF2 Damage Area prior to disaster (ft)	4954	0.65	2.00	1.29
Length Outside Damage Area prior to Disaster (ft)	872	0.11	1.00	0.11
<b>Damage Score</b>				<b>3.04</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	1	0.15	0.15
W2 - Damaged Hydrant	2	0.15	0.30
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	9	0.15	1.35
W6 - Maintenance Event (2004-2014)	14	0.15	2.10
<b>Condition Score</b>			<b>3.90</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Heatherwood  
 Assessment Sub-Area HW1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.07.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA HW1: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **33.64**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area King's Manor  
 Assessment Sub-Area KM2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

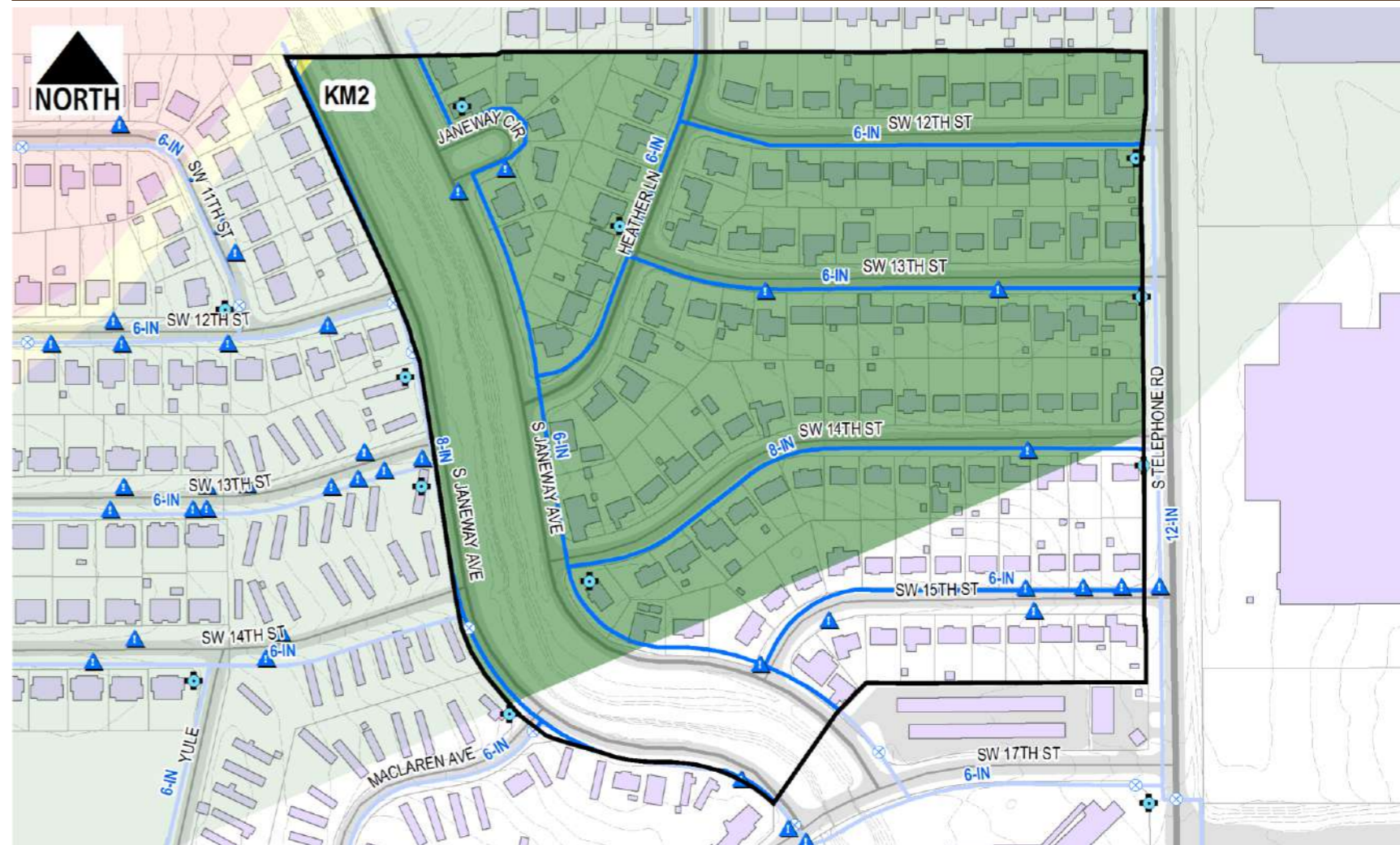
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	7333			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	2496	0.34	5.00	1.70
Diameter 4-in to 6-in (ft)	4838	0.66	1.00	0.66
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	7333	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	1654	0.23	10.00	2.26
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	5679	0.77	0.00	0.00
<b>Age</b>				
More than 20-years	7333	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>19.62</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	43	0.01	5.00	0.03
Length within EF0 to EF2 Damage Area prior to disaster (ft)	5699	0.78	2.00	1.55
Length Outside Damage Area prior to Disaster (ft)	1591	0.22	1.00	0.22
<b>Damage Score</b>				<b>1.80</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	7	0.15	1.05
W2 - Damaged Hydrant	1	0.15	0.15
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	13	0.15	1.95
<b>Condition Score</b>			<b>3.15</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area King's Manor  
 Assessment Sub-Area KM2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.2	1.00	10.00	10.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>15.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA KM2: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **64.57**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area King's Manor  
 Assessment Sub-Area KM3  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

**Assessment Data**

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

**Background Data**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	9022			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	9022	1.00	1.00	1.00
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	9022	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	8948	0.99	10.00	9.92
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	74	0.01	0.00	0.00
<b>Age</b>				
More than 20-years	9022	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>25.92</b>

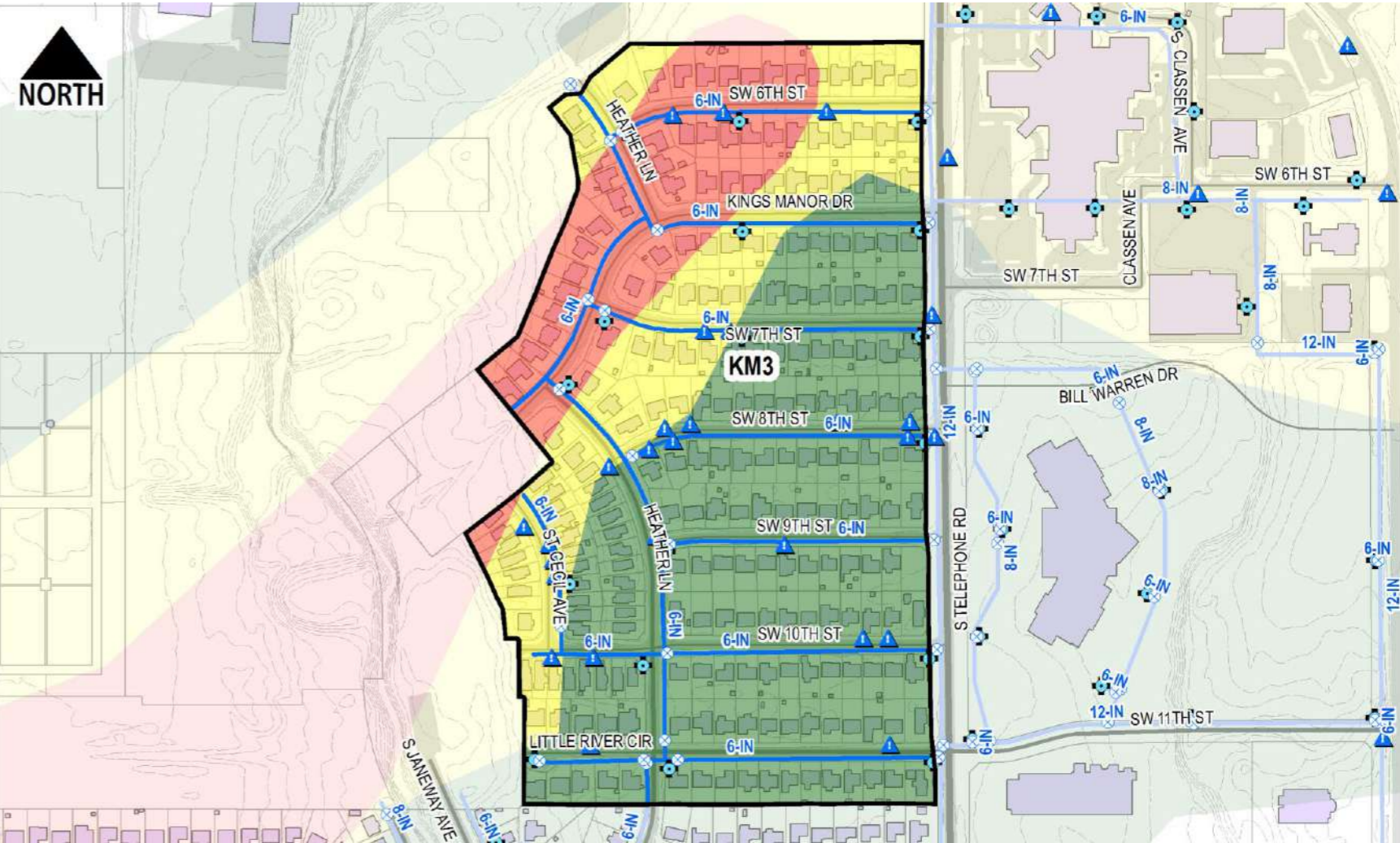
**Damage Score**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	1888	0.21	10.00	2.09
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1701	0.19	5.00	0.94
Length within EF0 to EF2 Damage Area prior to disaster (ft)	5433	0.60	2.00	1.20
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>4.24</b>

**Proximity Analysis**

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	6983	0.77	10.00	7.74
Length within 0.25-mi of Emergency Response Facility (ft)	6983	0.77	5.00	3.87
<b>Proximity Score</b>				<b>11.61</b>

**Key Map**



**Condition Analysis**

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	4	0.15	0.60
W2 - Damaged Hydrant	3	0.15	0.45
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	53	0.15	7.95
W6 - Maintenance Event (2004-2014)	37	0.15	5.55
<b>Condition Score</b>			<b>14.55</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area King's Manor  
 Assessment Sub-Area KM3  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.2	1.00	10.00	10.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>15.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA KM3: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **86.32**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area: Madison Place / Hunter's Gl  
 Assessment Sub-Area: MH1  
 Infrastructure Category: Water Distribution  
 Exhibit Group: E.5

#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Total Water Line Length (ft)</b>				
	998			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	747	0.75	5.00	3.74
Diameter 4-in to 6-in (ft)	251	0.25	1.00	0.25
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	998	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	998	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	998	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>28.99</b>

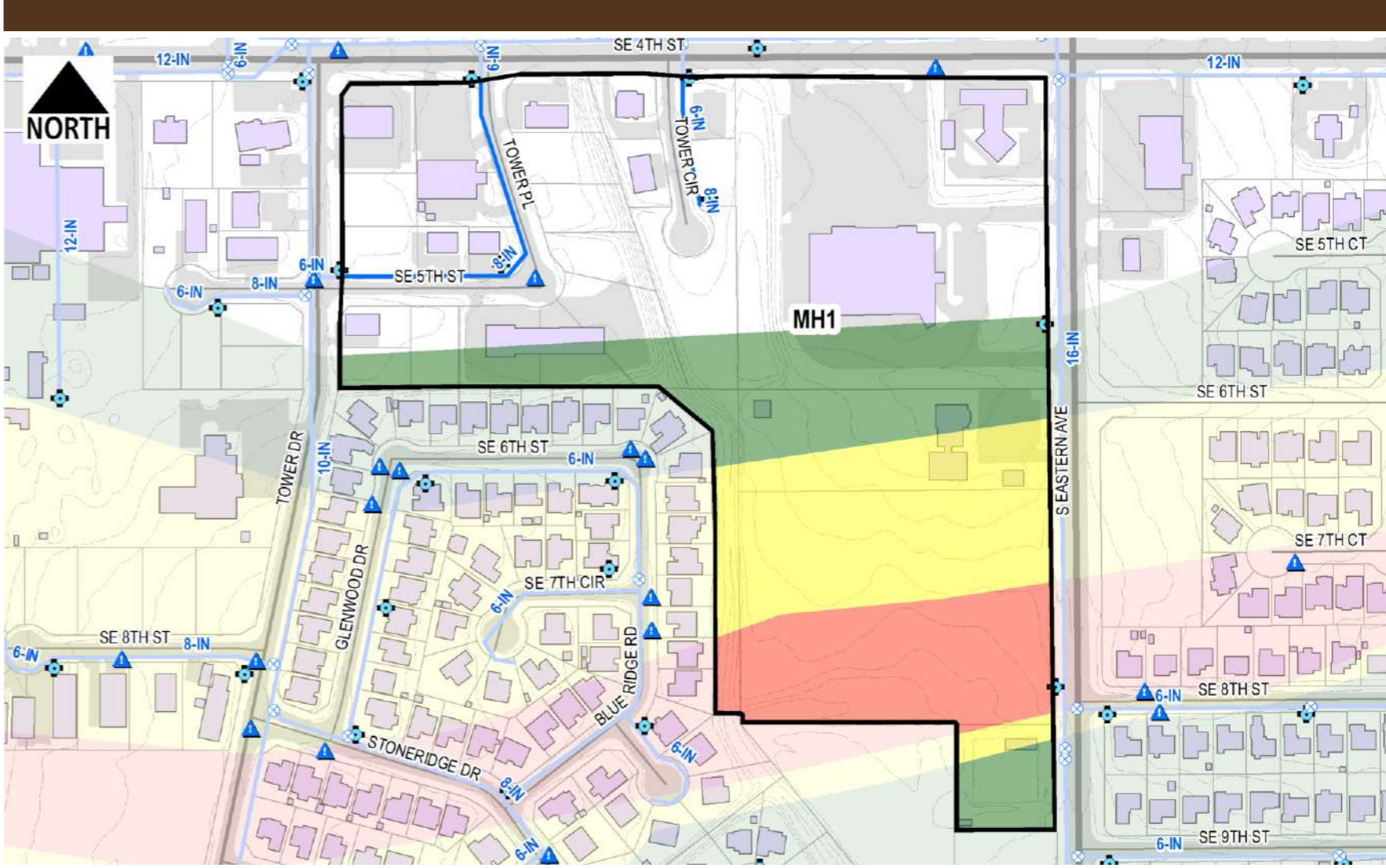
#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	998	1.00	1.00	1.00
<b>Damage Score</b>				<b>1.00</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	998	1.00	10.00	10.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>10.00</b>

#### Key Map



#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Madison Place / Hunter's Gl  
**Assessment Sub-Area** MH1  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **49.99**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area: Madison Place / Hunter's GI  
 Assessment Sub-Area: MH2  
 Infrastructure Category: Water Distribution  
 Exhibit Group: E.5

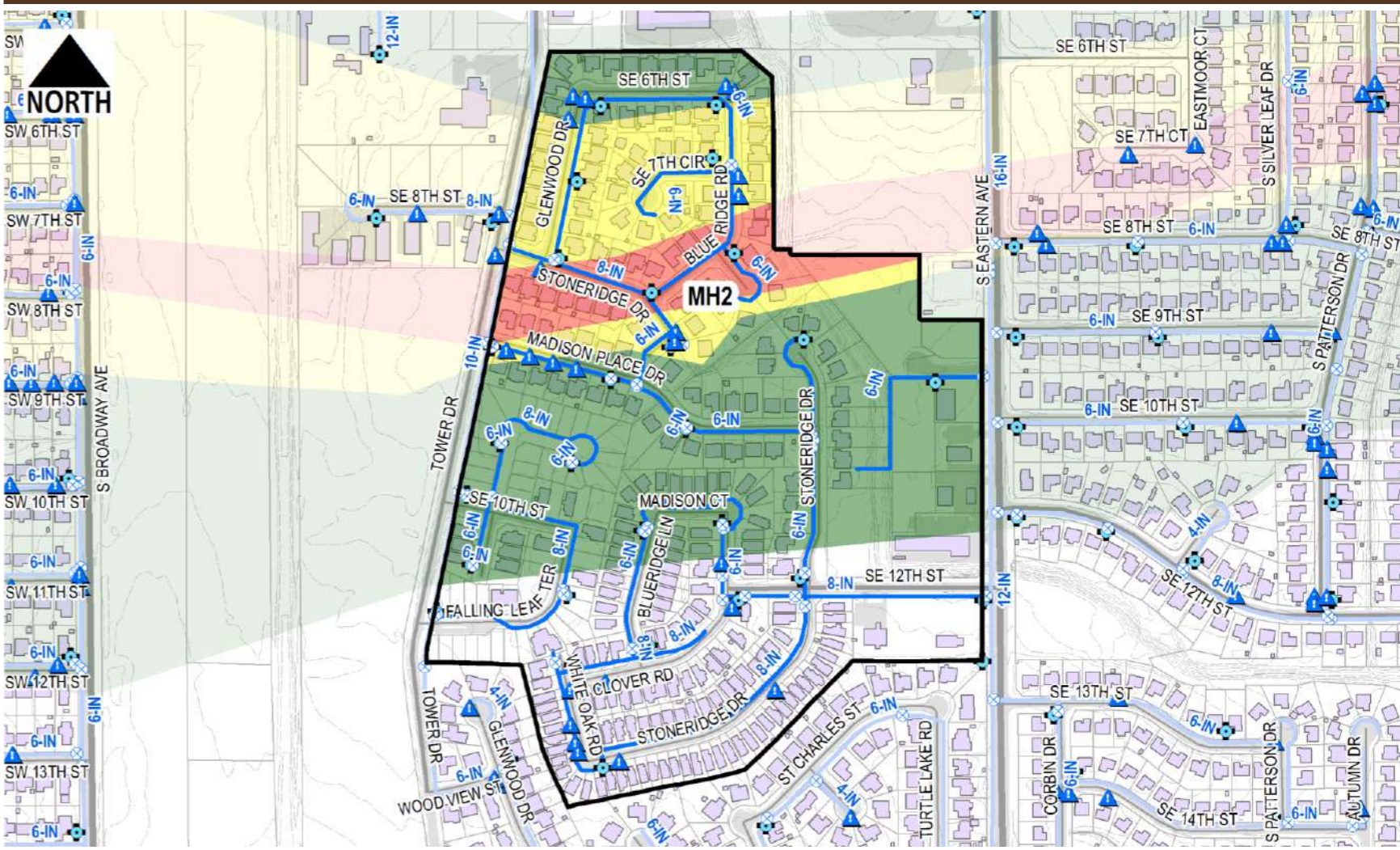
#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	13154			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	6157	0.47	5.00	2.34
Diameter 4-in to 6-in (ft)	6997	0.53	1.00	0.53
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	13154	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	12676	0.96	10.00	9.64
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	477	0.04	0.00	0.00
<b>Age</b>				
More than 20-years	6490	0.49	10.00	4.93
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	5700	0.43	4.00	1.73
less than 10-years	964	0.07	2.00	0.15
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>24.32</b>

#### Key Map



#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	992	0.08	10.00	0.75
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1939	0.15	5.00	0.74
Length within EF0 to EF2 Damage Area prior to disaster (ft)	6008	0.46	2.00	0.91
Length Outside Damage Area prior to Disaster (ft)	4214	0.32	1.00	0.32
<b>Damage Score</b>				<b>2.73</b>

#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	2	0.15	0.30
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	13	0.15	1.95
W6 - Maintenance Event (2004-2014)	31	0.15	4.65
<b>Condition Score</b>			<b>6.90</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	11539	0.88	10.00	8.77
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>8.77</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Madison Place / Hunter's Gl  
**Assessment Sub-Area** MH2  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA MH2: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **57.72**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4A  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	5461			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	5291	0.97	10.00	9.69
Diameter 8-in to 12-in (ft)	90	0.02	5.00	0.08
Diameter 4-in to 6-in (ft)	80	0.01	1.00	0.01
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	5461	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	5161	0.95	10.00	9.45
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	300	0.05	0.00	0.00
<b>Age</b>				
More than 20-years	2787	0.51	10.00	5.10
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	2675	0.49	1.00	0.49
<b>Background Score</b>				<b>29.83</b>

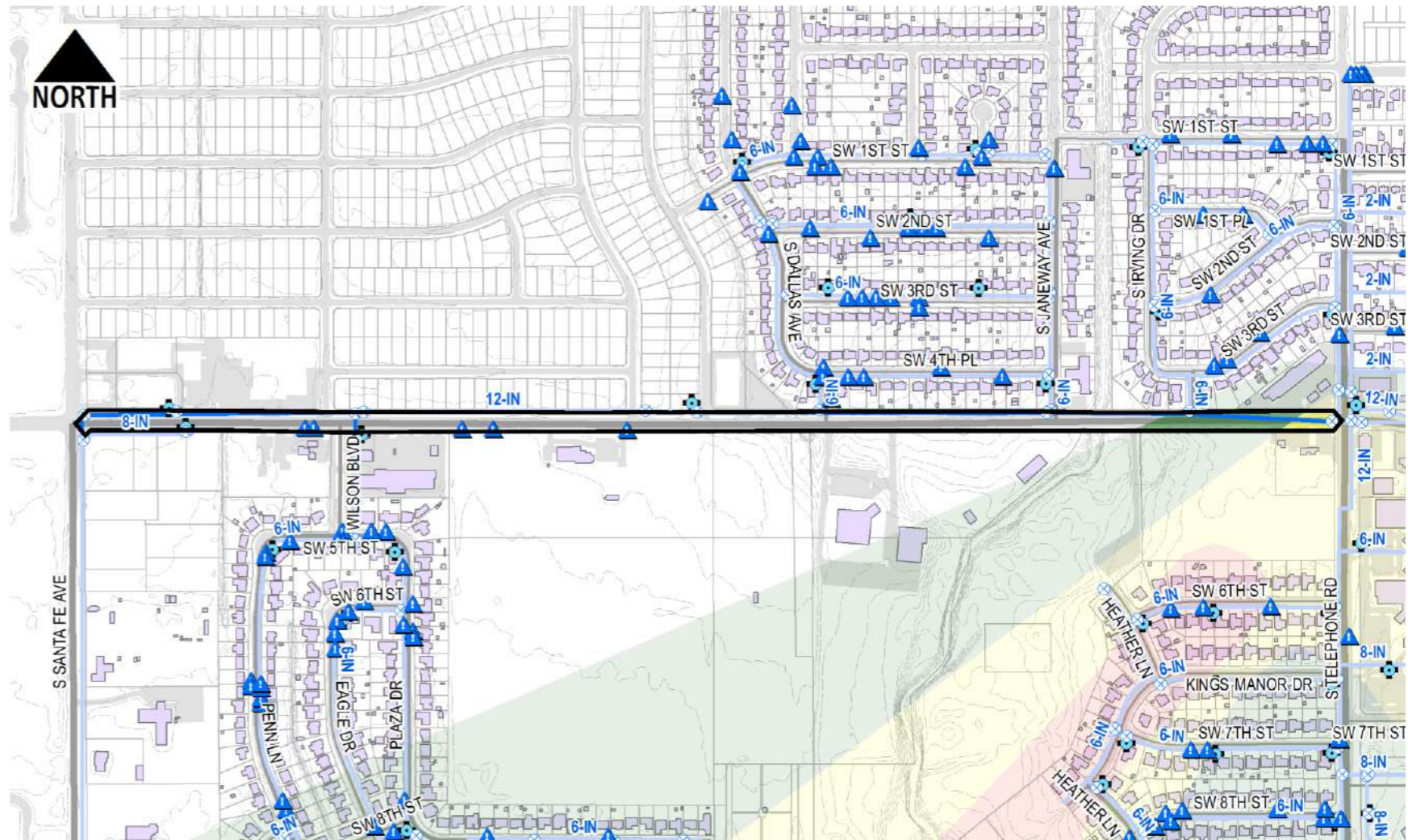
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	237	0.04	5.00	0.22
Length within EF0 to EF2 Damage Area prior to disaster (ft)	533	0.10	2.00	0.20
Length Outside Damage Area prior to Disaster (ft)	4692	0.86	1.00	0.86
<b>Damage Score</b>				<b>1.27</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	1299	0.24	10.00	2.38
Length within 0.25-mi of Emergency Response Facility (ft)	1257	0.23	5.00	1.15
<b>Proximity Score</b>				<b>3.53</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	1	0.15	0.15
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	7	0.15	1.05
<b>Condition Score</b>			<b>1.20</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** North 4th Street  
**Assessment Sub-Area** N4A  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>5.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **50.83**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4B  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	3775			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	3071	0.81	10.00	8.14
Diameter 8-in to 12-in (ft)	160	0.04	5.00	0.21
Diameter 4-in to 6-in (ft)	545	0.14	1.00	0.14
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	3775	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	3521	0.93	10.00	9.33
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	253	0.07	0.00	0.00
<b>Age</b>				
More than 20-years	675	0.18	10.00	1.79
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	3100	0.82	1.00	0.82
<b>Background Score</b>				<b>25.43</b>

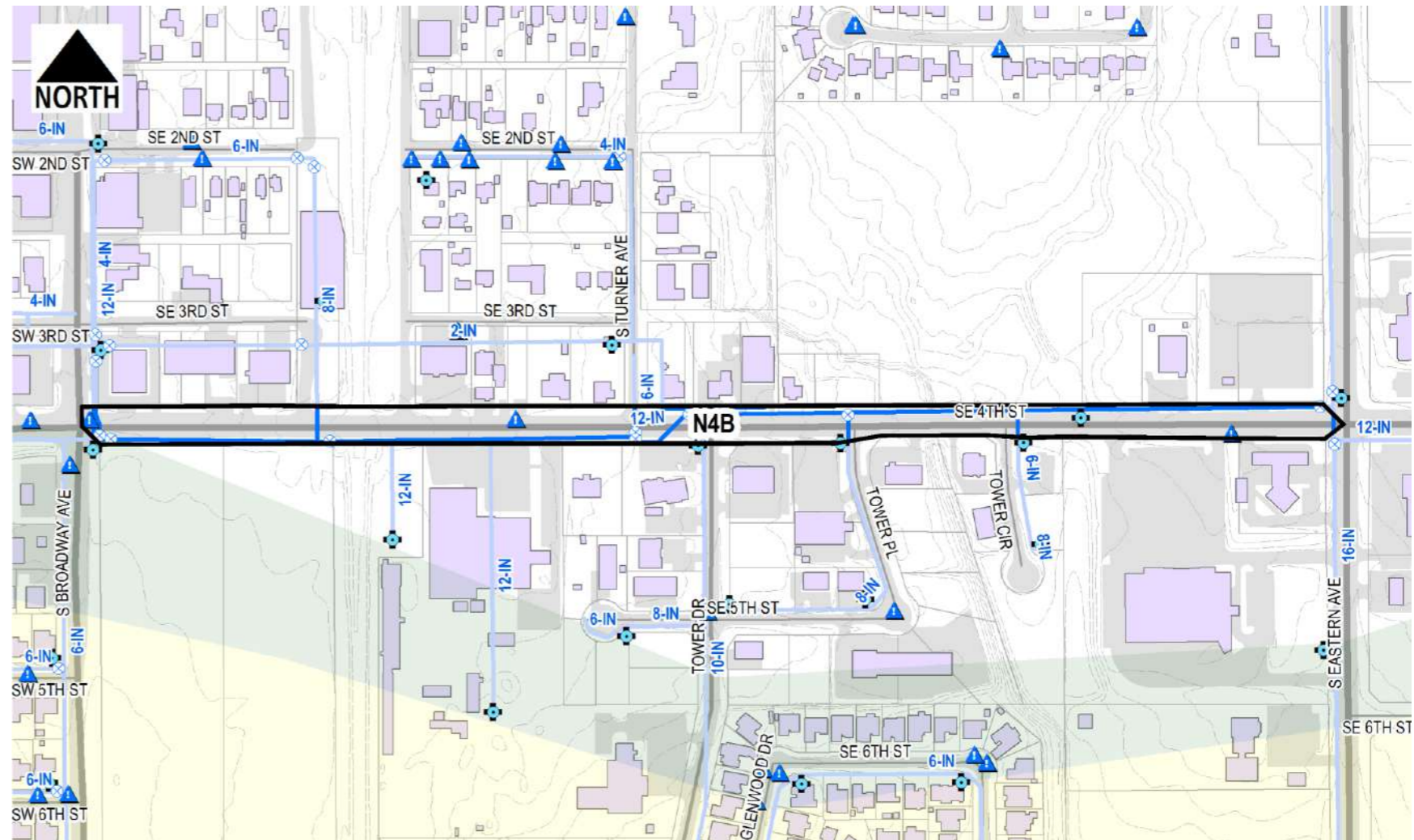
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	99	0.03	2.00	0.05
Length Outside Damage Area prior to Disaster (ft)	3676	0.97	1.00	0.97
<b>Damage Score</b>				<b>1.03</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	2382	0.63	10.00	6.31
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>6.31</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	4	0.15	0.60
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	5	0.15	0.75
<b>Condition Score</b>			<b>1.35</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4B  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>5.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **49.11**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4C  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	6101			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	5305	0.87	10.00	8.70
Diameter 8-in to 12-in (ft)	90	0.01	5.00	0.07
Diameter 4-in to 6-in (ft)	706	0.12	1.00	0.12
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	6101	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	4332	0.71	10.00	7.10
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	1768	0.29	0.00	0.00
<b>Age</b>				
More than 20-years	1441	0.24	10.00	2.36
15 to 20-years	10	0.00	5.00	0.01
10 to 15-years	17	0.00	4.00	0.01
less than 10-years	0	0.00	2.00	0.00
Unknown	4632	0.76	1.00	0.76
<b>Background Score</b>				<b>24.13</b>

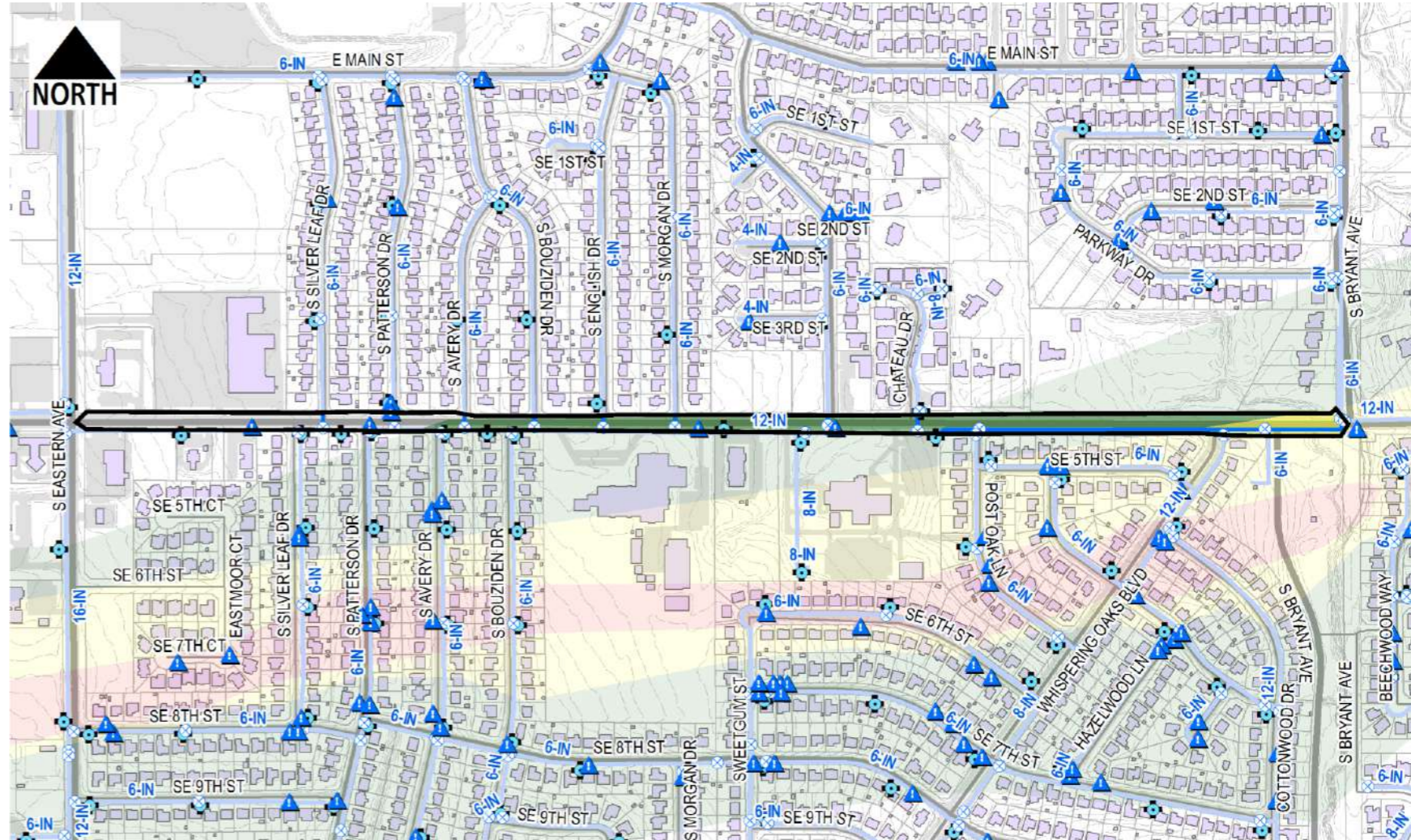
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	838	0.14	5.00	0.69
Length within EF0 to EF2 Damage Area prior to disaster (ft)	3619	0.59	2.00	1.19
Length Outside Damage Area prior to Disaster (ft)	1644	0.27	1.00	0.27
<b>Damage Score</b>				<b>2.14</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	4608	0.76	10.00	7.55
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>7.55</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	2	0.15	0.30
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	7	0.15	1.05
<b>Condition Score</b>			<b>1.35</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4C  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.05.3	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **45.17**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area North 4th Street  
 Assessment Sub-Area N4D  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

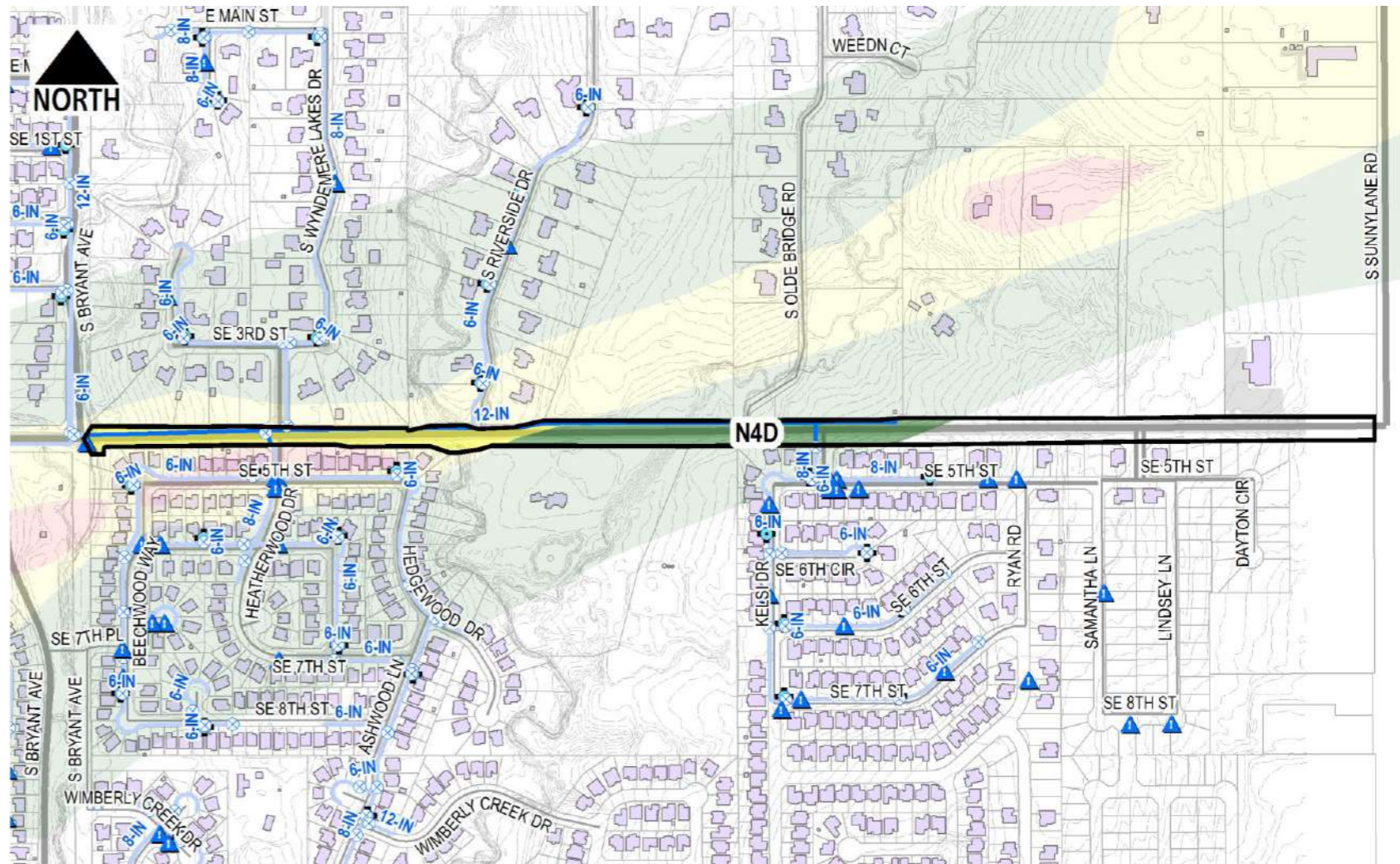
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	3524			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	3313	0.94	10.00	9.40
Diameter 8-in to 12-in (ft)	201	0.06	5.00	0.29
Diameter 4-in to 6-in (ft)	10	0.00	1.00	0.00
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	3524	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	1031	0.29	10.00	2.93
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	2493	0.71	0.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	43	0.01	4.00	0.05
less than 10-years	0	0.00	2.00	0.00
Unknown	3481	0.99	1.00	0.99
<b>Background Score</b>				<b>18.65</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	2100	0.60	5.00	2.98
Length within EF0 to EF2 Damage Area prior to disaster (ft)	1424	0.40	2.00	0.81
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>3.79</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	5	0.15	0.75
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	2	0.15	0.30
<b>Condition Score</b>			<b>1.05</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** North 4th Street  
**Assessment Sub-Area** N4D  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.07.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **23.49**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	2614			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	2596	0.99	10.00	9.93
Diameter 8-in to 12-in (ft)	9	0.00	5.00	0.02
Diameter 4-in to 6-in (ft)	8	0.00	1.00	0.00
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	2614	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	2415	0.92	10.00	9.24
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	199	0.08	0.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	41	0.02	5.00	0.08
10 to 15-years	635	0.24	4.00	0.97
less than 10-years	628	0.24	2.00	0.48
Unknown	1309	0.50	1.00	0.50
<b>Background Score</b>				<b>26.22</b>

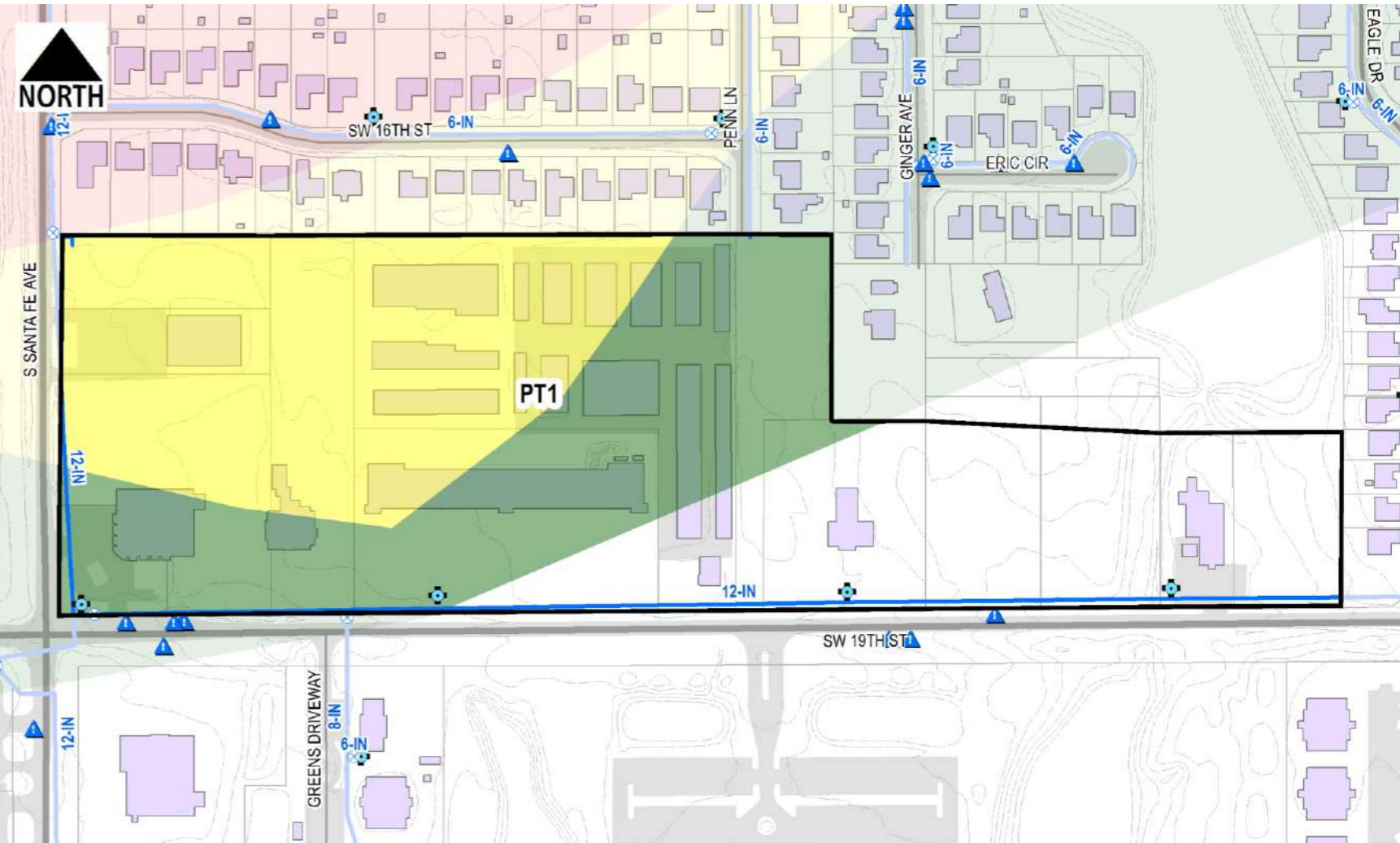
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	12	0.00	10.00	0.05
Length within EF2 to EF4 Damage Area prior to disaster (ft)	219	0.08	5.00	0.42
Length within EF0 to EF2 Damage Area prior to disaster (ft)	893	0.34	2.00	0.68
Length Outside Damage Area prior to Disaster (ft)	1490	0.57	1.00	0.57
<b>Damage Score</b>				<b>1.72</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	1633	0.62	10.00	6.25
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>6.25</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	3	0.15	0.45
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	1	0.15	0.15
W4 - Future service connection anticipated	5	0.15	0.75
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>1.35</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **35.54**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	10131			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	1272	0.13	10.00	1.26
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	8859	0.87	1.00	0.87
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	10131	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	10131	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	10131	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>27.13</b>

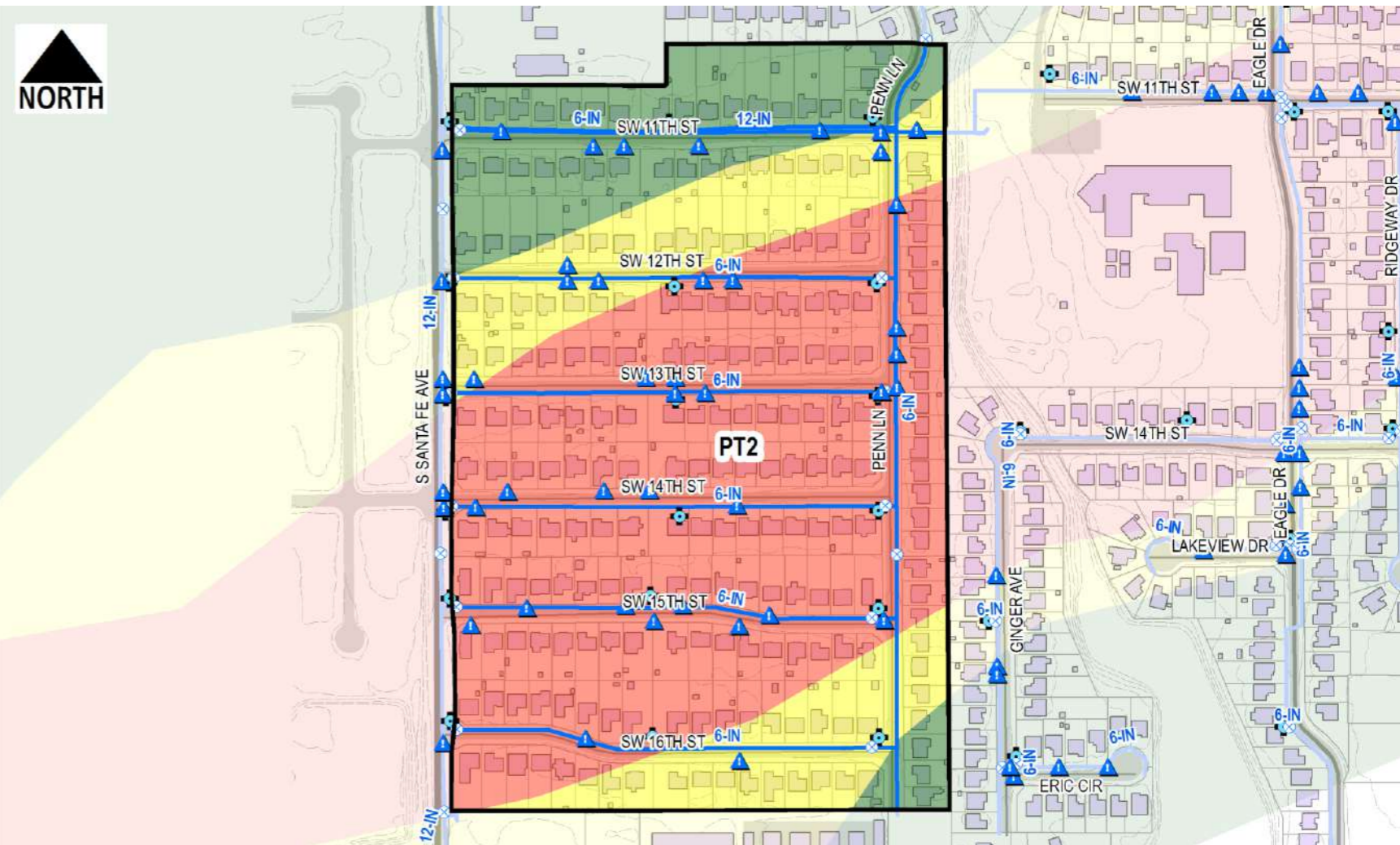
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	5625	0.56	10.00	5.55
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1931	0.19	5.00	0.95
Length within EF0 to EF2 Damage Area prior to disaster (ft)	2575	0.25	2.00	0.51
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>7.01</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	9739	0.96	10.00	9.61
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>9.61</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	12	0.15	1.80
W2 - Damaged Hydrant	4	0.15	0.60
W3 - Abandoned Meter	1	0.15	0.15
W4 - Future service connection anticipated	87	0.15	13.05
W6 - Maintenance Event (2004-2014)	53	0.15	7.95
<b>Condition Score</b>			<b>23.55</b>



<b>LMI Benefit</b>				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

<b>Health and Safety</b>				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

<b>Long Term Recovery / Economic Revitalization</b>				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>20.00</b>

<b>Sustainability</b>				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

<b>Opportunity Score</b>				
Project Description	Score	Weighting Factor	Score	
SUB-AREA PT2: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

**Infrastructure Photographs**





# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT3  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	8635			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	272	0.03	10.00	0.31
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	8362	0.97	1.00	0.97
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	8635	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	8223	0.95	10.00	9.52
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	412	0.05	0.00	0.00
<b>Age</b>				
More than 20-years	4763	0.55	10.00	5.52
15 to 20-years	3473	0.40	5.00	2.01
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	398	0.05	1.00	0.05
<b>Background Score</b>				<b>23.38</b>

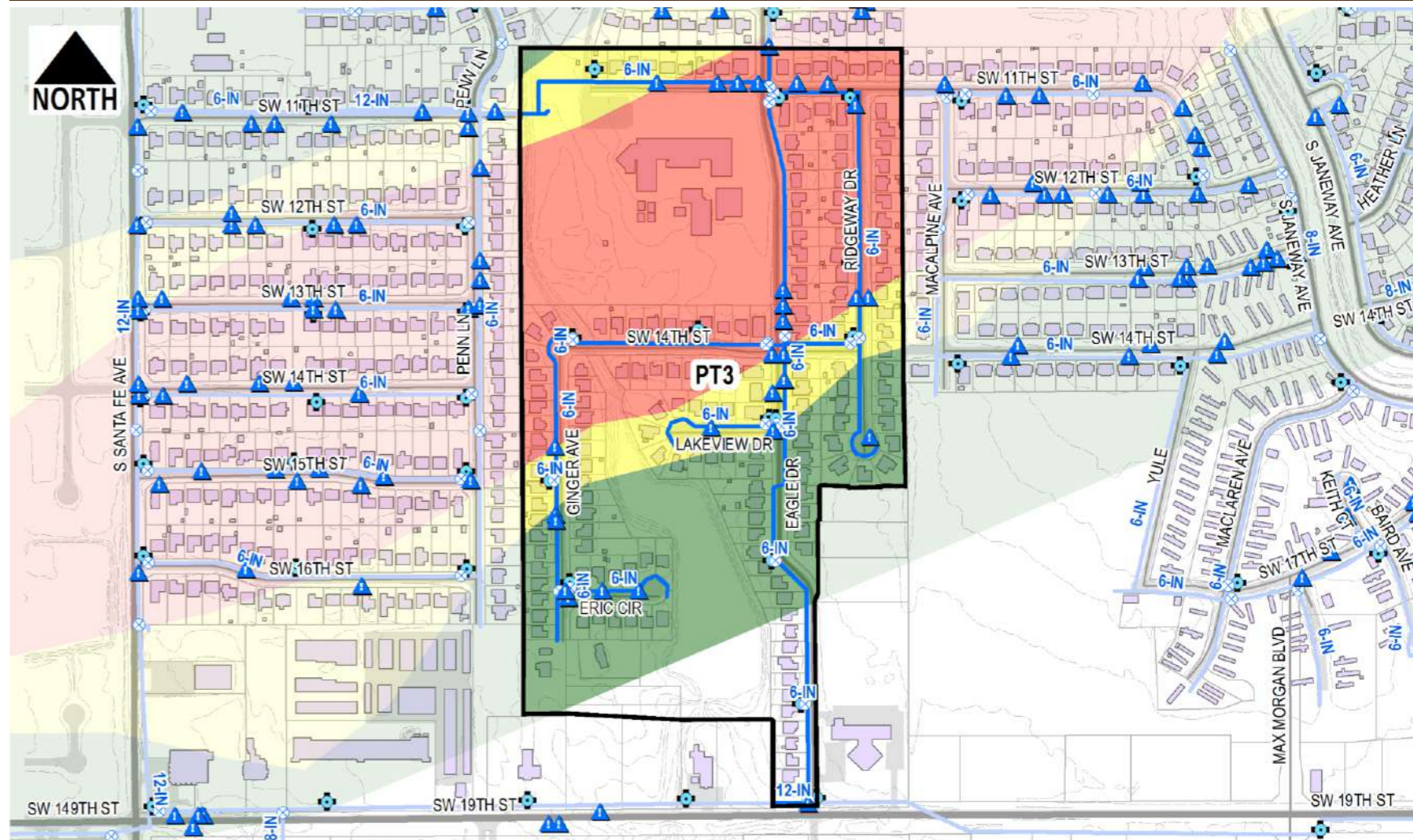
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	3628	0.42	10.00	4.20
Length within EF2 to EF4 Damage Area prior to disaster (ft)	2103	0.24	5.00	1.22
Length within EF0 to EF2 Damage Area prior to disaster (ft)	2047	0.24	2.00	0.47
Length Outside Damage Area prior to Disaster (ft)	858	0.10	1.00	0.10
<b>Damage Score</b>				<b>5.99</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	8635	1.00	10.00	10.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>10.00</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	4	0.15	0.60
W2 - Damaged Hydrant	3	0.15	0.45
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	48	0.15	7.20
W6 - Maintenance Event (2004-2014)	29	0.15	4.35
<b>Condition Score</b>			<b>12.60</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT3  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA PT3: RECONSTRUCTION OF ALL PUBLIC WATER INFRASTRUCTURE	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **76.97**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT4  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	5363			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	79	0.01	5.00	0.07
Diameter 4-in to 6-in (ft)	5284	0.99	1.00	0.99
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	5363	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	5207	0.97	10.00	9.71
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	156	0.03	0.00	0.00
<b>Age</b>				
More than 20-years	5363	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>25.77</b>

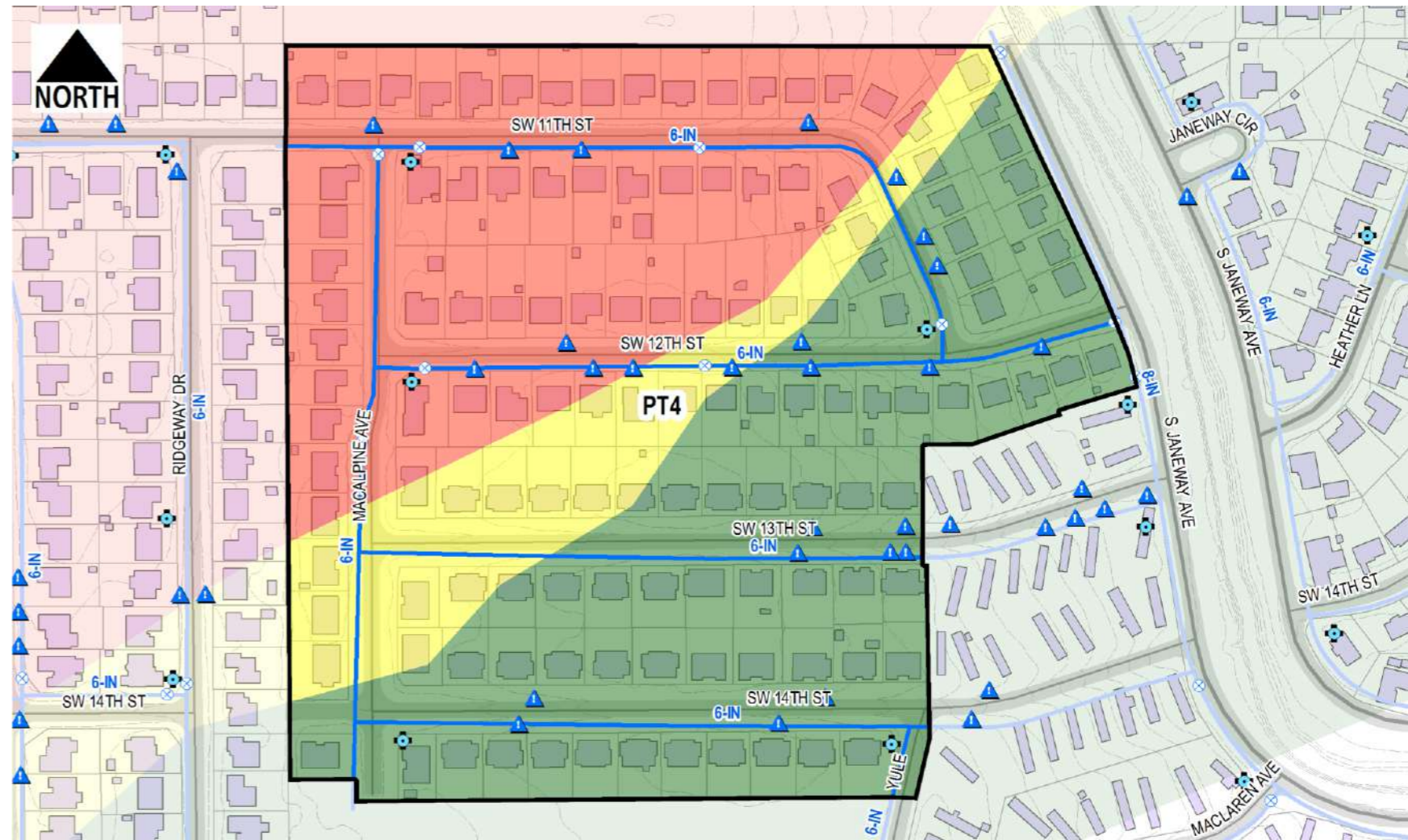
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	1910	0.36	10.00	3.56
Length within EF2 to EF4 Damage Area prior to disaster (ft)	805	0.15	5.00	0.75
Length within EF0 to EF2 Damage Area prior to disaster (ft)	2649	0.49	2.00	0.99
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>5.30</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	4087	0.76	10.00	7.62
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>7.62</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	4	0.15	0.60
W2 - Damaged Hydrant	1	0.15	0.15
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	88	0.15	13.20
W6 - Maintenance Event (2004-2014)	33	0.15	4.95
<b>Condition Score</b>			<b>18.90</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT4  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>5.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA PT4: RECONSTRUCTION OF ALL PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **87.59**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT5  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	12665			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	438	0.03	5.00	0.17
Diameter 4-in to 6-in (ft)	12227	0.97	1.00	0.97
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	12665	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	12665	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	12665	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>26.14</b>

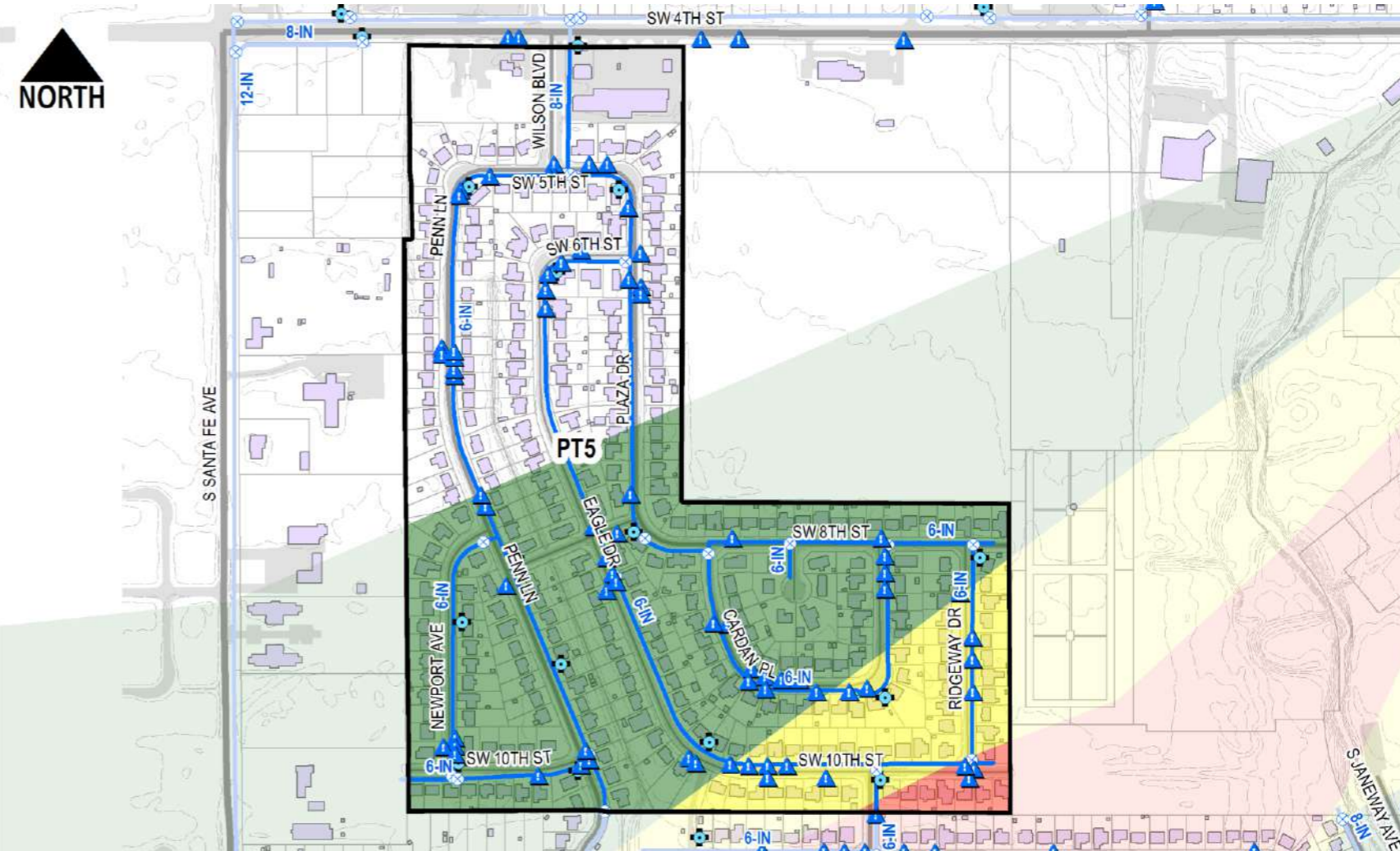
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	208	0.02	10.00	0.16
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1747	0.14	5.00	0.69
Length within EF0 to EF2 Damage Area prior to disaster (ft)	6894	0.54	2.00	1.09
Length Outside Damage Area prior to Disaster (ft)	3816	0.30	1.00	0.30
<b>Damage Score</b>				<b>2.24</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	9099	0.72	10.00	7.18
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>7.18</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	2	0.15	0.30
W2 - Damaged Hydrant	2	0.15	0.30
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	21	0.15	3.15
W6 - Maintenance Event (2004-2014)	106	0.15	15.90
<b>Condition Score</b>			<b>19.65</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Plaza Towers  
 Assessment Sub-Area PT5  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA PT5: RECONSTRUCTION OF PUBLIC WATER LINE SYSTEM	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **80.22**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Santa Fe Avenue  
 Assessment Sub-Area SF1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

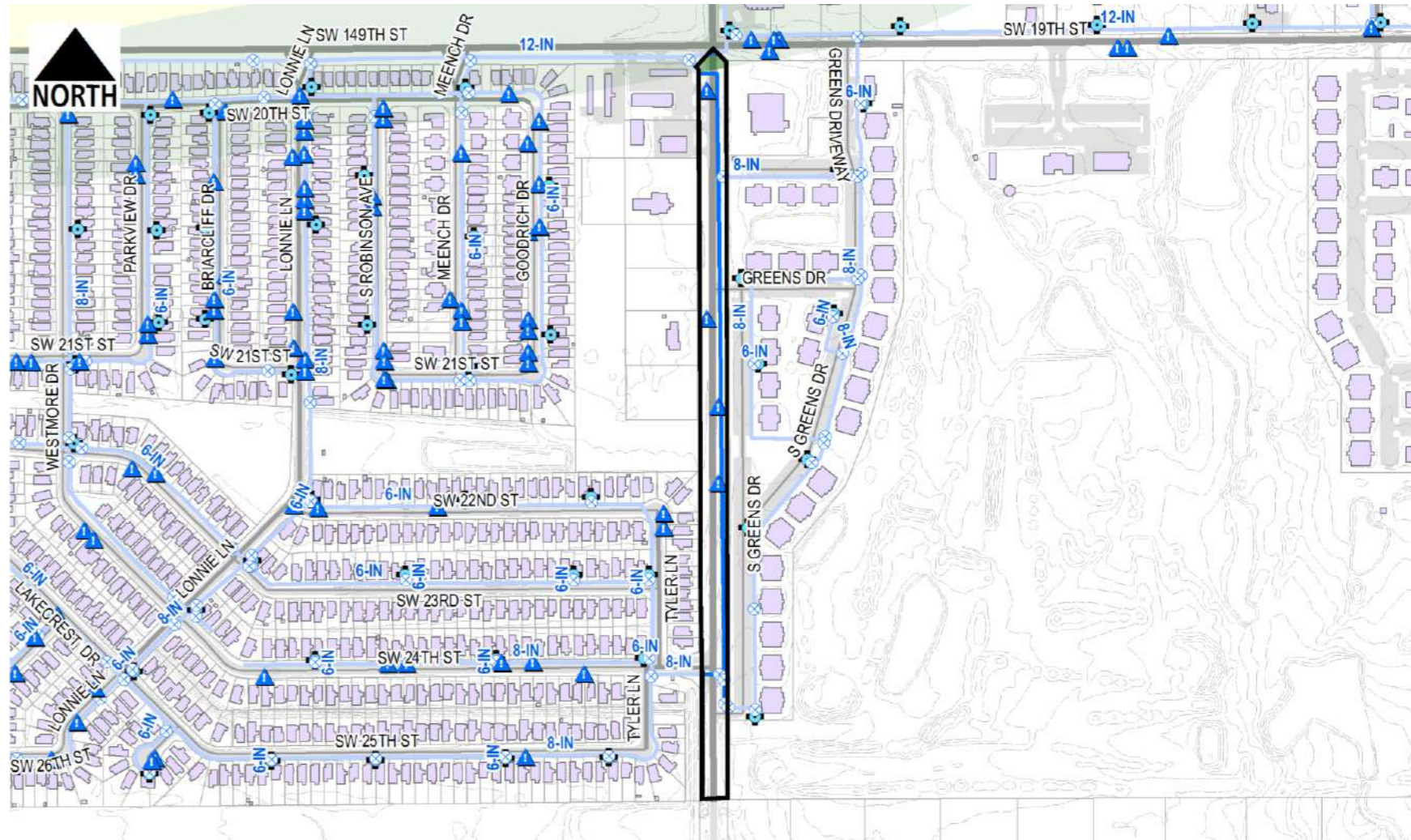
#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	2494			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	2355	0.94	10.00	9.44
Diameter 8-in to 12-in (ft)	139	0.06	5.00	0.28
Diameter 4-in to 6-in (ft)	0	0.00	1.00	0.00
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	2494	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	2494	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	68	0.03	5.00	0.14
10 to 15-years	1065	0.43	4.00	1.71
less than 10-years	0	0.00	2.00	0.00
Unknown	1360	0.55	1.00	0.55
<b>Background Score</b>				<b>27.11</b>

#### Key Map



#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	81	0.03	2.00	0.06
Length Outside Damage Area prior to Disaster (ft)	2413	0.97	1.00	0.97
<b>Damage Score</b>				<b>1.03</b>

#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	2	0.15	0.30
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	4	0.15	0.60
<b>Condition Score</b>			<b>0.90</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	1095	0.44	10.00	4.39
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>4.39</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Santa Fe Avenue  
 Assessment Sub-Area SF1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2022.06.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **43.43**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Santa Fe Avenue  
 Assessment Sub-Area SF2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	4965			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	4806	0.97	10.00	9.68
Diameter 8-in to 12-in (ft)	16	0.00	5.00	0.02
Diameter 4-in to 6-in (ft)	144	0.03	1.00	0.03
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	4965	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	4965	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	763	0.15	10.00	1.54
15 to 20-years	365	0.07	5.00	0.37
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	304	0.06	2.00	0.12
Unknown	3533	0.71	1.00	0.71
<b>Background Score</b>				<b>27.46</b>

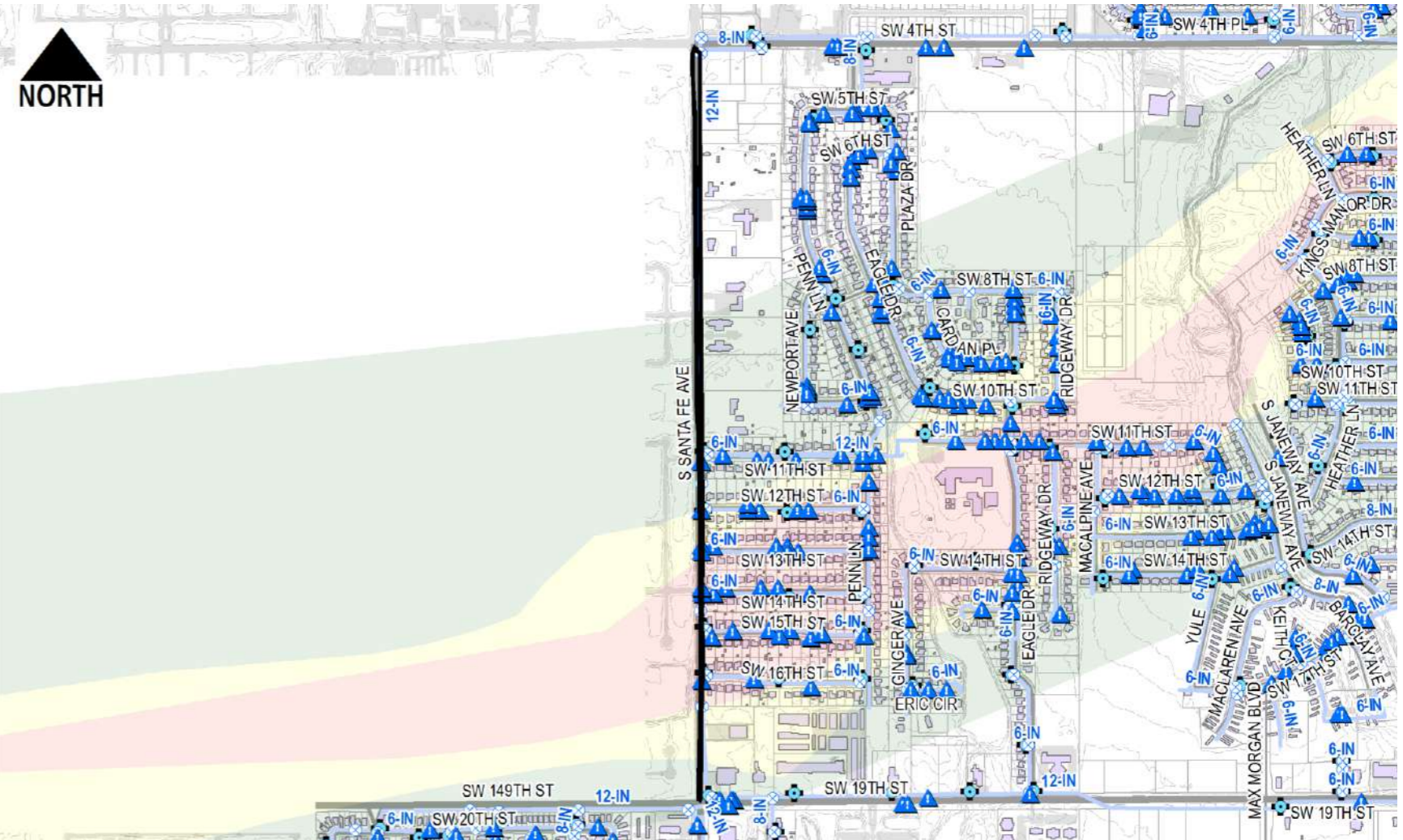
#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	1120	0.23	10.00	2.26
Length within EF2 to EF4 Damage Area prior to disaster (ft)	570	0.11	5.00	0.57
Length within EF0 to EF2 Damage Area prior to disaster (ft)	1386	0.28	2.00	0.56
Length Outside Damage Area prior to Disaster (ft)	1890	0.38	1.00	0.38
<b>Damage Score</b>				<b>3.77</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	1420	0.29	10.00	2.86
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>2.86</b>

#### Key Map



#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	2	0.15	0.30
W2 - Damaged Hydrant	3	0.15	0.45
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	10	0.15	1.50
<b>Condition Score</b>			<b>2.25</b>



LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**





# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Southmoor  
 Assessment Sub-Area SM2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

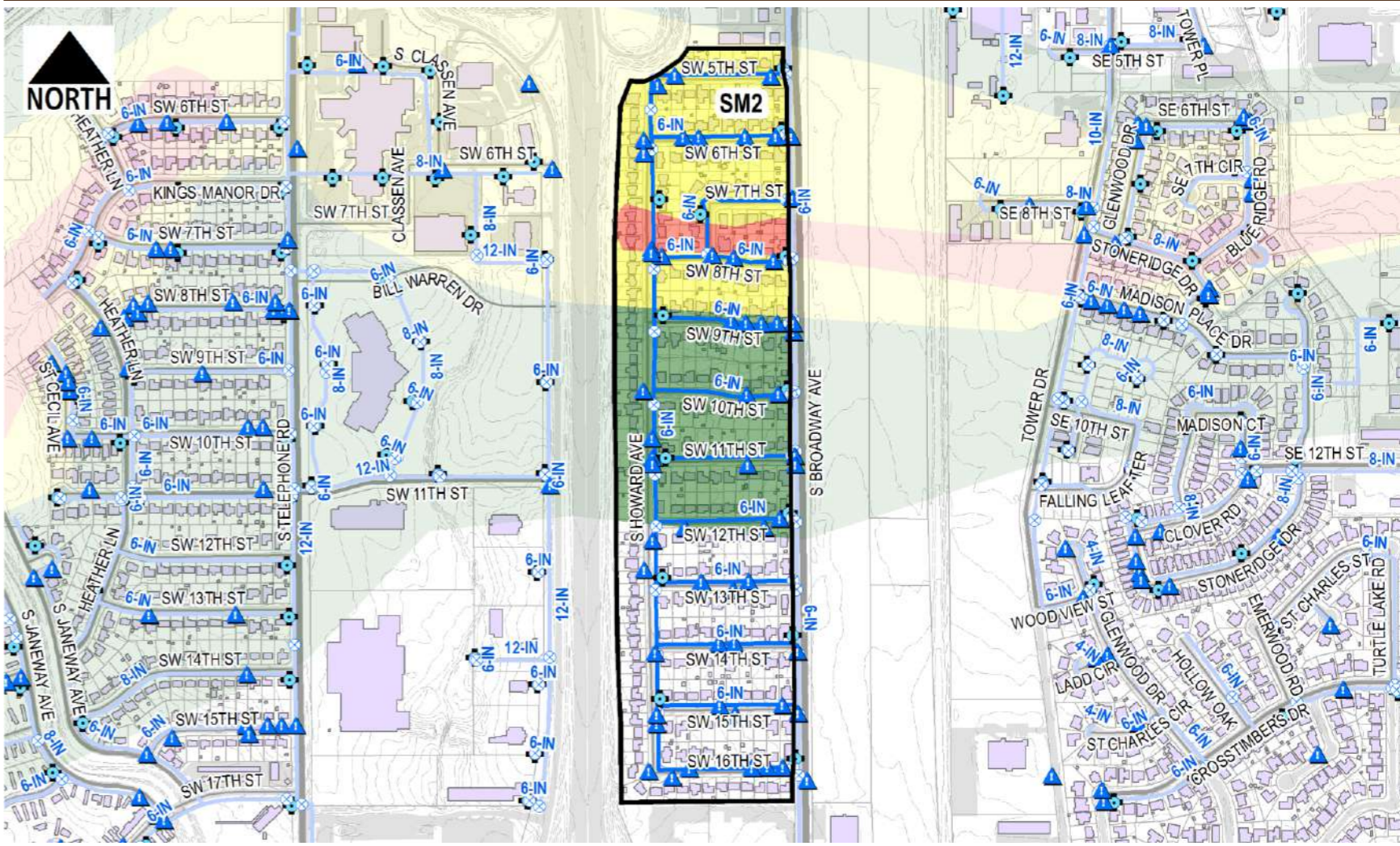
#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	11074			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	11074	1.00	1.00	1.00
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	11074	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	11074	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	11074	1.00	10.00	10.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>26.00</b>

#### Key Map



#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	326	0.03	10.00	0.29
Length within EF2 to EF4 Damage Area prior to disaster (ft)	3478	0.31	5.00	1.57
Length within EF0 to EF2 Damage Area prior to disaster (ft)	3566	0.32	2.00	0.64
Length Outside Damage Area prior to Disaster (ft)	3704	0.33	1.00	0.33
<b>Damage Score</b>				<b>2.84</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	2282	0.21	10.00	2.06
Length within 0.25-mi of Emergency Response Facility (ft)	2282	0.21	5.00	1.03
<b>Proximity Score</b>				<b>3.09</b>

#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	1	0.15	0.15
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	22	0.15	3.30
W6 - Maintenance Event (2004-2014)	68	0.15	10.20
<b>Condition Score</b>			<b>13.65</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Southmoor  
 Assessment Sub-Area SM2  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	Yes	1.00	5.00	5.00
			<b>Recovery/Revitalization Score</b>	<b>15.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
SUB-AREA SM2: REPLACEMENT OF ALL EXISTING PUBLIC WATER LINES	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **65.58**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Tower Drive District  
 Assessment Sub-Area TD3  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

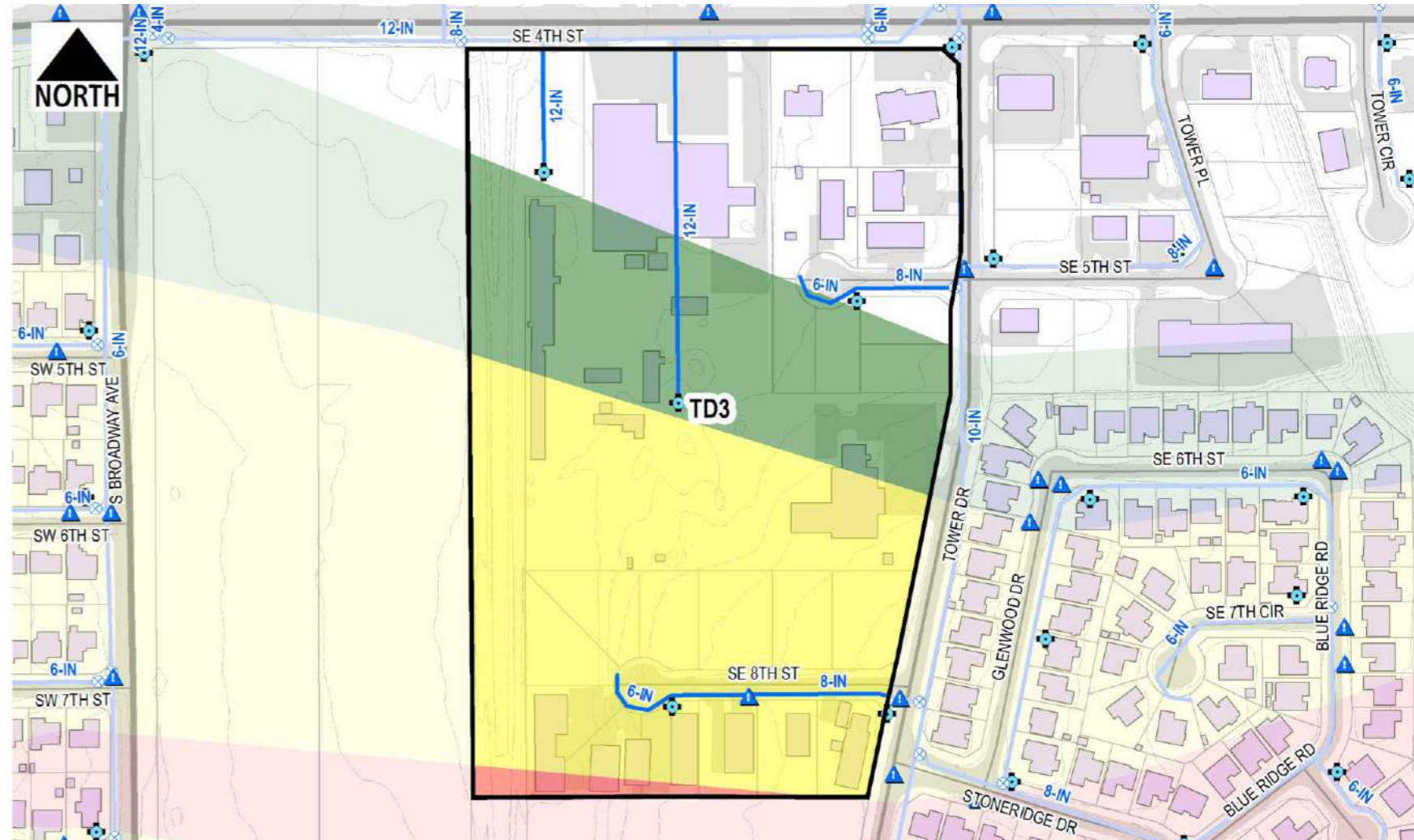
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	2023			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	841	0.42	10.00	4.16
Diameter 8-in to 12-in (ft)	903	0.45	5.00	2.23
Diameter 4-in to 6-in (ft)	279	0.14	1.00	0.14
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	2023	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	2023	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	1619	0.80	10.00	8.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	0	0.00	2.00	0.00
Unknown	404	0.20	1.00	0.20
<b>Background Score</b>				<b>29.73</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	526	0.26	5.00	1.30
Length within EF0 to EF2 Damage Area prior to disaster (ft)	362	0.18	2.00	0.36
Length Outside Damage Area prior to Disaster (ft)	1135	0.56	1.00	0.56
<b>Damage Score</b>				<b>2.22</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	553	0.27	10.00	2.73
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>2.73</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Tower Drive District  
**Assessment Sub-Area** TD3  
**Infrastructure Category** Water Distribution  
**Exhibit Group** E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **44.68**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Telephone Road  
 Assessment Sub-Area TP1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

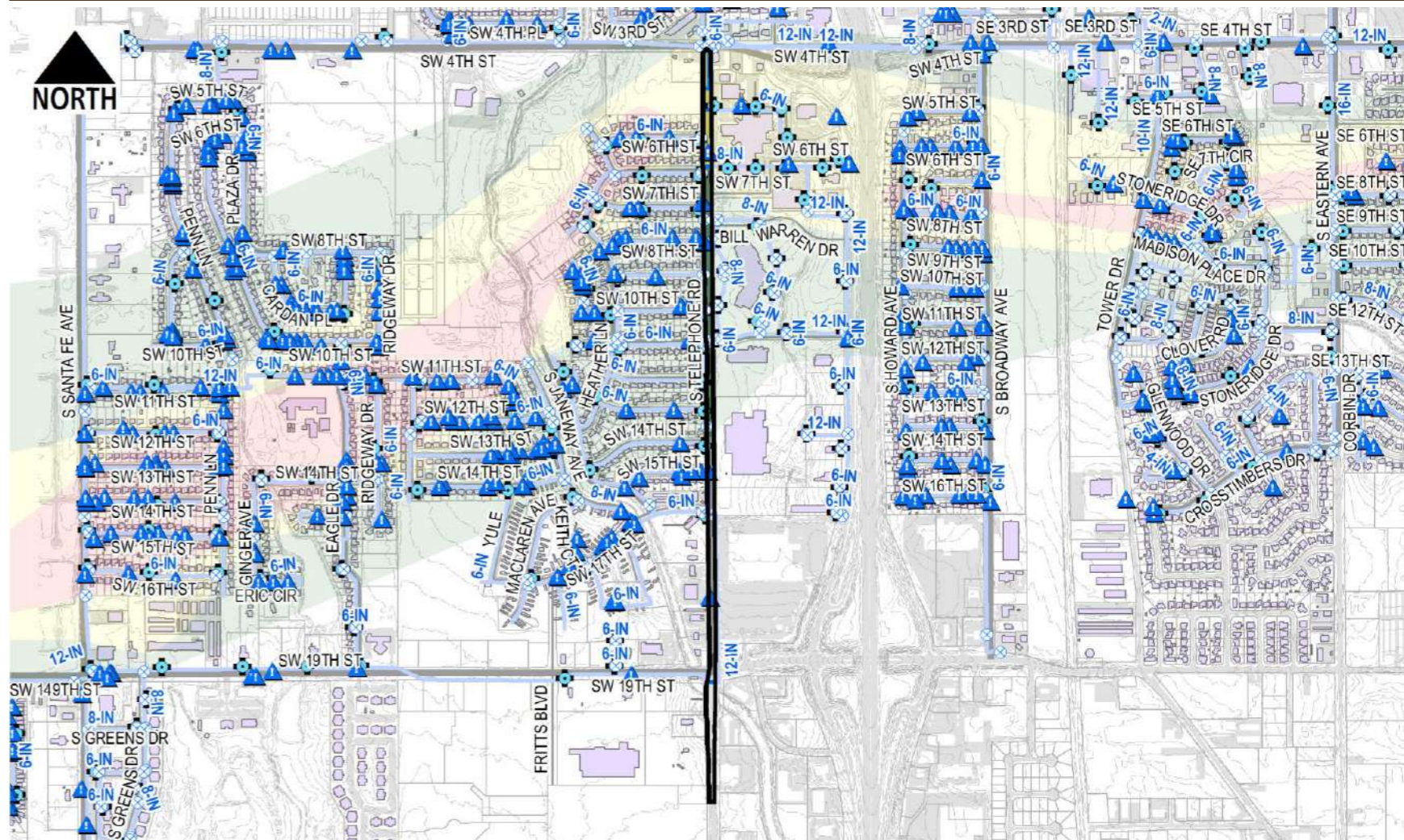
#### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	5840			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	5343	0.91	10.00	9.15
Diameter 8-in to 12-in (ft)	188	0.03	5.00	0.16
Diameter 4-in to 6-in (ft)	309	0.05	1.00	0.05
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	5840	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	5201	0.89	10.00	8.91
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	639	0.11	0.00	0.00
<b>Age</b>				
More than 20-years	2657	0.45	10.00	4.55
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	49	0.01	2.00	0.02
Unknown	3133	0.54	1.00	0.54
<b>Background Score</b>				<b>28.37</b>

#### Key Map



#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	1224	0.21	5.00	1.05
Length within EF0 to EF2 Damage Area prior to disaster (ft)	2636	0.45	2.00	0.90
Length Outside Damage Area prior to Disaster (ft)	887	0.15	1.00	0.15
<b>Damage Score</b>				<b>2.10</b>

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	3054	0.52	10.00	5.23
Length within 0.25-mi of Emergency Response Facility (ft)	3054	0.52	5.00	2.61
<b>Proximity Score</b>				<b>7.84</b>

#### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Telephone Road  
 Assessment Sub-Area TP1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.2	1.00	10.00	10.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>15.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **63.32**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Tower Drive  
 Assessment Sub-Area TW1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

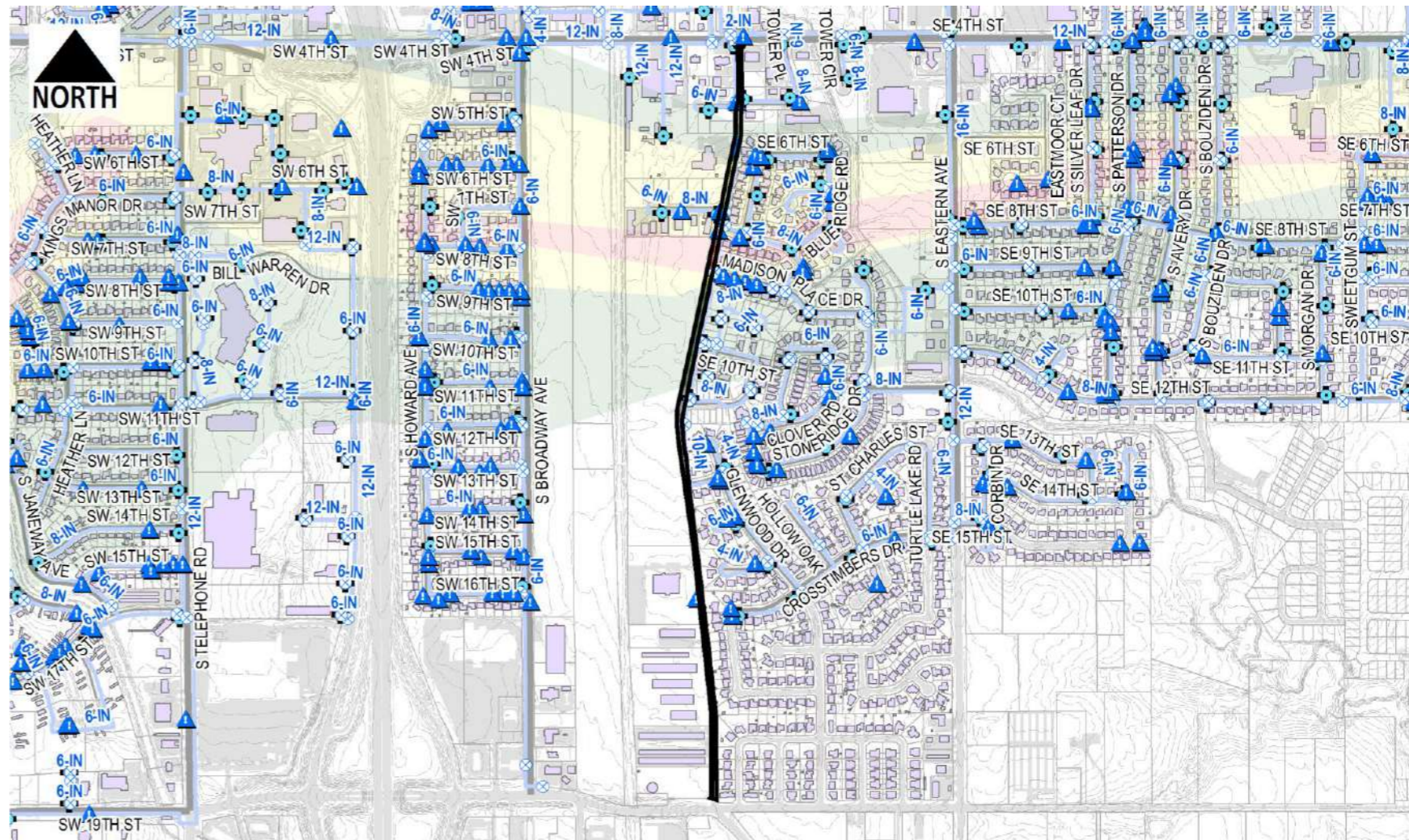
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	1961			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	0	0.00	10.00	0.00
Diameter 8-in to 12-in (ft)	1948	0.99	5.00	4.97
Diameter 4-in to 6-in (ft)	13	0.01	1.00	0.01
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	1961	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	1961	1.00	10.00	10.00
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	0	0.00	0.00	0.00
<b>Age</b>				
More than 20-years	1079	0.55	10.00	5.50
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	25	0.01	2.00	0.03
Unknown	856	0.44	1.00	0.44
<b>Background Score</b>				<b>25.94</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	248	0.13	10.00	1.26
Length within EF2 to EF4 Damage Area prior to disaster (ft)	655	0.33	5.00	1.67
Length within EF0 to EF2 Damage Area prior to disaster (ft)	419	0.21	2.00	0.43
Length Outside Damage Area prior to Disaster (ft)	639	0.33	1.00	0.33
<b>Damage Score</b>				<b>3.69</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	484	0.25	10.00	2.47
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>2.47</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	1	0.15	0.15
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	3	0.15	0.45
<b>Condition Score</b>			<b>0.60</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Tower Drive  
 Assessment Sub-Area TW1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q29: Improvements would benefit LMI Census Block Group?	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **42.69**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area: Warren Theater  
 Assessment Sub-Area: WT1  
 Infrastructure Category: Water Distribution  
 Exhibit Group: E.5

### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	6517			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	1392	0.21	10.00	2.14
Diameter 8-in to 12-in (ft)	3946	0.61	5.00	3.03
Diameter 4-in to 6-in (ft)	1179	0.18	1.00	0.18
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	6517	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	5675	0.87	10.00	8.71
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	842	0.13	0.00	0.00
<b>Age</b>				
More than 20-years	2461	0.38	10.00	3.78
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	4056	0.62	2.00	1.24
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>24.07</b>

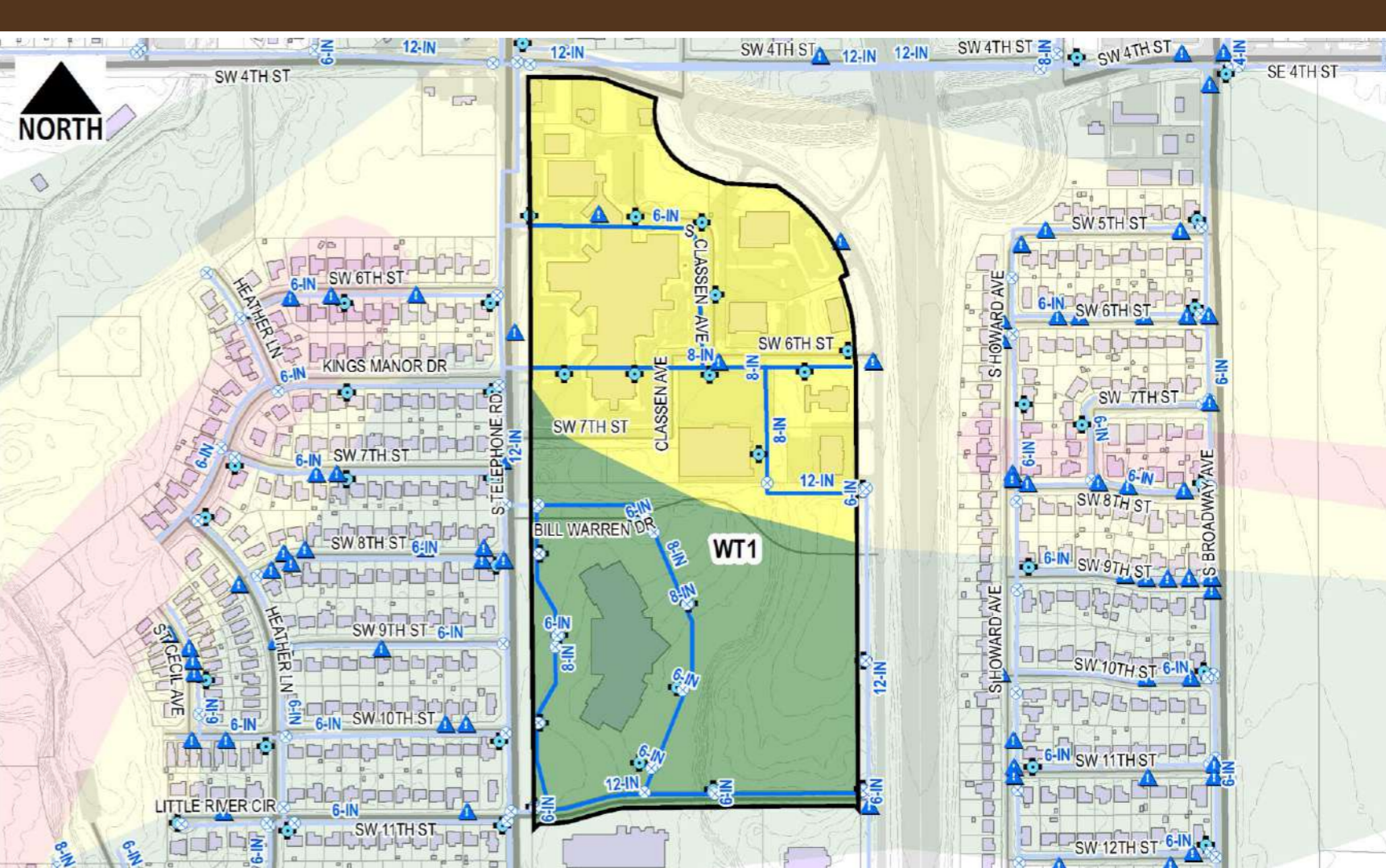
### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	2781	0.43	5.00	2.13
Length within EF0 to EF2 Damage Area prior to disaster (ft)	3736	0.57	2.00	1.15
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>3.28</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	6364	0.98	10.00	9.77
Length within 0.25-mi of Emergency Response Facility (ft)	6364	0.98	5.00	4.88
<b>Proximity Score</b>				<b>14.65</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	1	0.15	0.15
W2 - Damaged Hydrant	4	0.15	0.60
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	2	0.15	0.30
<b>Condition Score</b>			<b>1.05</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Warren Theater  
 Assessment Sub-Area WT1  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.2	1.00	10.00	10.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>15.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>10.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **68.05**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area: Warren Theater  
 Assessment Sub-Area: WT3  
 Infrastructure Category: Water Distribution  
 Exhibit Group: E.5

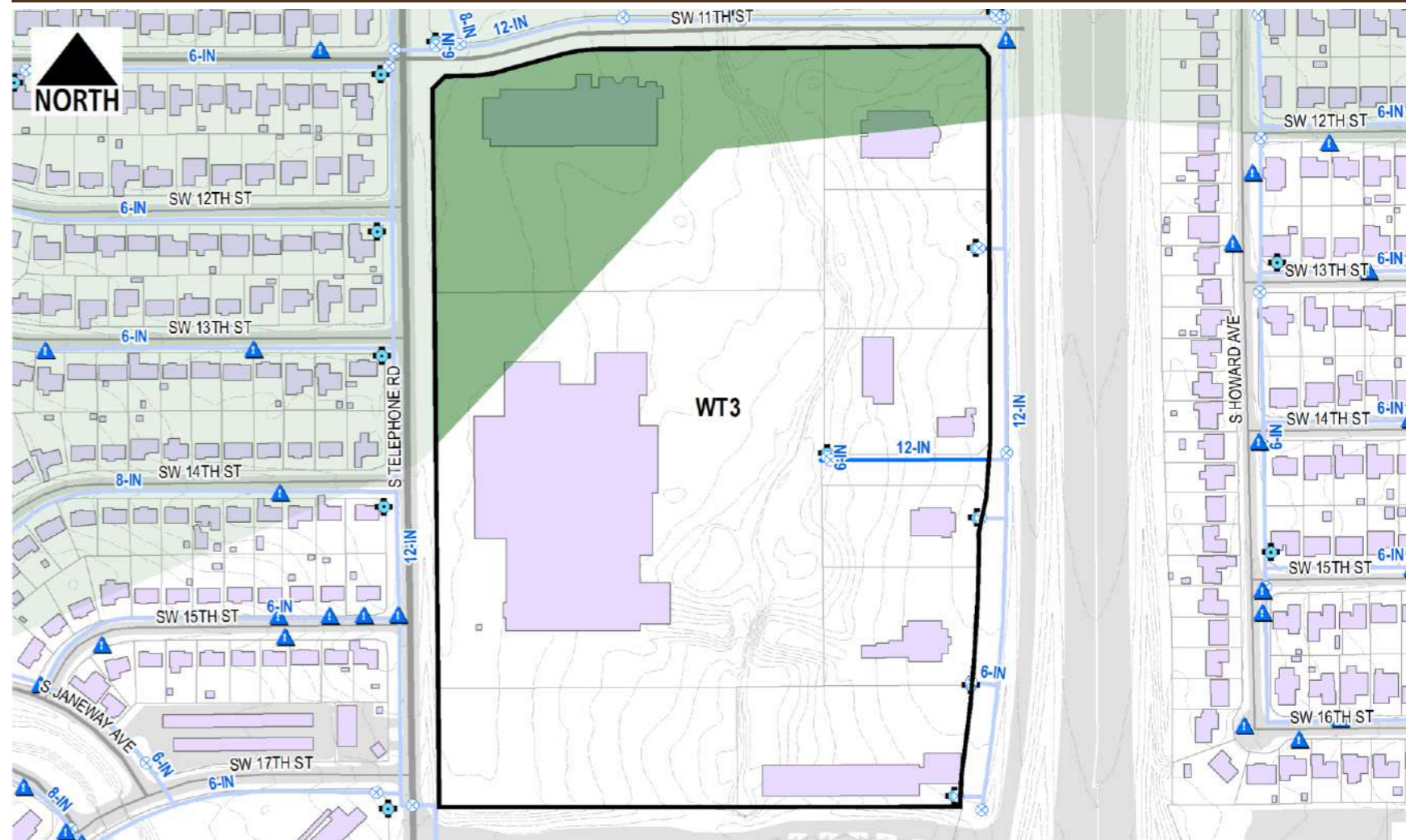
### Assessment Data

Description	Value
Assessment By	J. Cotton / A. Hartman
Date of Assessment	3/10/2015

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
Total Water Line Length (ft)	411			
<b>Line Size</b>				
Diameter 12-in or greater (ft)	330	0.80	10.00	8.03
Diameter 8-in to 12-in (ft)	0	0.00	5.00	0.00
Diameter 4-in to 6-in (ft)	81	0.20	1.00	0.20
<b>Material</b>				
Length of Cast Iron (ft)	0	0.00	10.00	0.00
Length of PVC (ft)	0	0.00	5.00	0.00
Length of Other (ft)	411	1.00	5.00	5.00
<b>Corrosion</b>				
NRCS "High Steel Corrosion Potential" Map Unit (ft)	246	0.60	10.00	5.99
NRCS "Moderate Steel Corrosion Potential" Map Unit (ft)	165	0.40	0.00	0.00
<b>Age</b>				
More than 20-years	0	0.00	10.00	0.00
15 to 20-years	0	0.00	5.00	0.00
10 to 15-years	0	0.00	4.00	0.00
less than 10-years	411	1.00	2.00	2.00
Unknown	0	0.00	1.00	0.00
<b>Background Score</b>				<b>21.21</b>

### Key Map



### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	411	1.00	1.00	1.00
<b>Damage Score</b>				<b>1.00</b>

### Condition Analysis

Description	Quantity	Weighting Factor	Score
W1 - Damaged Valve	0	0.15	0.00
W2 - Damaged Hydrant	0	0.15	0.00
W3 - Abandoned Meter	0	0.15	0.00
W4 - Future service connection anticipated	0	0.15	0.00
W6 - Maintenance Event (2004-2014)	0	0.15	0.00
<b>Condition Score</b>			<b>0.00</b>

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Critical Water User (ft)	0	0.00	10.00	0.00
Length within 0.25-mi of Emergency Response Facility (ft)	0	0.00	5.00	0.00
<b>Proximity Score</b>				<b>0.00</b>





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Warren Theater  
 Assessment Sub-Area WT3  
 Infrastructure Category Water Distribution  
 Exhibit Group E.5

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q28: Census Block Group	40027.2016.04.2	1.00	10.00	10.00
Q29: Improvements would benefit LMI Census Block Group?	Yes	1.00	5.00	5.00
			<b>LMI Score</b>	<b>15.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q30: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q31: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q32: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q33: Historic capacity / load / design issue with infrastructure	No	0.00	10.00	0.00
Q34: Projected capacity issue with infrastructure	No	0.00	5.00	0.00
Q35: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>0.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q36: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
			<b>Sustainability Score</b>	<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **37.21**



# City of Moore

## Infrastructure Recovery and Implementation Plan

### Infrastructure Assessment Form

Assessment Area Bryant Avenue  
 Assessment Sub-Area BA1  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

#### Assessment Data

Description	Value
Assessment By	J.Cotton / N. Clair
Date Range of Assessment	

#### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Bikeways</b>				
2012 Master Plan (ft)	57			
Proposed: Portion along arterial roadways (ft)	0			
Proposed: Portion along collector roadways (ft)	0			
Existing: Portion along local roadways (ft)	57			
<b>Trails</b>				
Existing (ft)	2124			
Proposed (ft)	1422			
<b>Total Inventory</b>				
Length of Bikeways/Trails completed (ft)	2181	0.61	1.00	0.61
Length of Bikeways/Trails remaining to be constructed (ft)	1422	0.39	5.00	1.97
<b>Available Right-of-Way/Easements</b>				
Q46a: Length of bikeways/trails to be constructed where sufficient right-of-way exists (ft)	1422	1.00	5.00	5.00
Q46b: Length of bikeways/trails to be constructed where insufficient right-of-way exists (ft)	0	0.00	1.00	0.00

**Background Score 7.58**

#### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Elementary School (ft)	1034	0.29	5.00	1.43
Length within 0.25-mi of Junior High School (ft)	0	0.00	4.00	0.00
Length within 0.25-mi of Park (ft)	3557	0.99	3.00	2.96
Length within 0.25-mi of Community Center (ft)	0	0.00	1.00	0.00
Length within 0.25-mi of Library (ft)	0	0.00	1.00	0.00

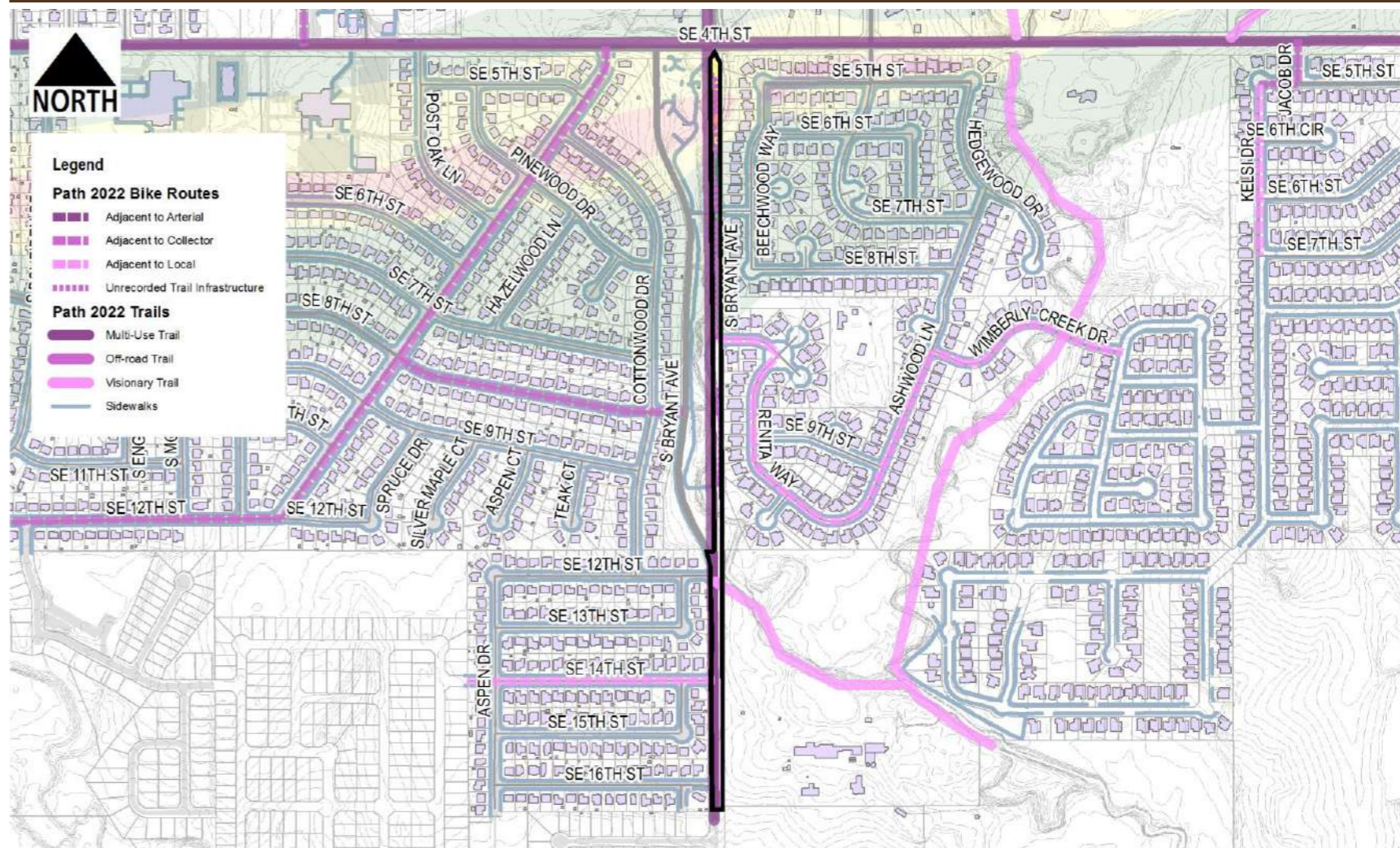
**Proximity Score 4.40**

#### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	196	0.09	10.00	0.90
Length within EF2 to EF4 Damage Area prior to disaster (ft)	204	0.09	5.00	0.47
Length within EF0 to EF2 Damage Area prior to disaster (ft)	1039	0.48	2.00	0.95
Length Outside Damage Area prior to Disaster (ft)	743	0.34	1.00	0.34

**Damage Score 2.66**

#### Key Map



#### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
BW1 - Surface Spall	0	0.25	0.00	BW8 - Logitudinal Slope > 5%	0	0.25	0.00
BW2 - Joint Deflection	0	0.25	0.00	BW9 - Cross Slope > 2%	0	0.25	0.00
BW3 - Panel Settlement	0	0.25	0.00	BW10 - not ADA Compliant at intersection	3	0.25	0.75
BW4 - Panel Cracking	2	0.25	0.50	BW11 - Evidence of Ponding	0	0.25	0.00
BW5 - Obstructions Present	0	0.25	0.00	BW12 - Anticipated Future Damage	0	0.25	0.00
BW6 - Curb Ramps not Present	1	0.25	0.25	BW13 - Evidence of Recent Repair Work	1	0.25	0.25
BW7 - Sidewalk Missing/not Continuous	3	0.25	0.75	BW14 - Insufficient Vehicular Separation	0	0.25	0.00

**Condition Score 2.50**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Bryant Avenue  
 Assessment Sub-Area BA1  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q46c: Census Block Group	40027.2021.07.1	0.00	10.00	0.00
Q47: Improvements to Infrastructure would benefit LMI Census Block Group	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q48: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q49: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q50: Current condition may be deterring reinvestment	No	0.00	5.00	0.00
Q51: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q52: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q53: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>15.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q54: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
			<b>Sustainability Score</b>	<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **37.14**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Bryant Avenue  
 Assessment Sub-Area BA2  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

### Assessment Data

Description	Value
Assessment By	J.Cotton / N. Clair
Date Range of Assessment	

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Bikeways</b>				
2012 Master Plan (ft)	28			
Proposed: Portion along arterial roadways (ft)	0			
Proposed: Portion along collector roadways (ft)	28			
Existing: Portion along local roadways (ft)	0			
<b>Trails</b>				
Existing (ft)	0			
Proposed (ft)	5222			
<b>Total Inventory</b>				
Length of Bikeways/Trails completed (ft)	0	0.00	1.00	0.00
Length of Bikeways/Trails remaining to be constructed (ft)	5250	1.00	5.00	5.00
<b>Available Right-of-Way/Easements</b>				
Q46a: Length of bikeways/trails to be constructed where sufficient right-of-way exists (ft)	4725	0.90	5.00	4.50
Q46b: Length of bikeways/trails to be constructed where insufficient right-of-way exists (ft)	5250	1.00	1.00	1.00

**Background Score 10.50**

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Elementary School (ft)	0	0.00	5.00	0.00
Length within 0.25-mi of Junior High School (ft)	0	0.00	4.00	0.00
Length within 0.25-mi of Park (ft)	2210	0.42	3.00	1.26
Length within 0.25-mi of Community Center (ft)	0	0.00	1.00	0.00
Length within 0.25-mi of Library (ft)	0	0.00	1.00	0.00

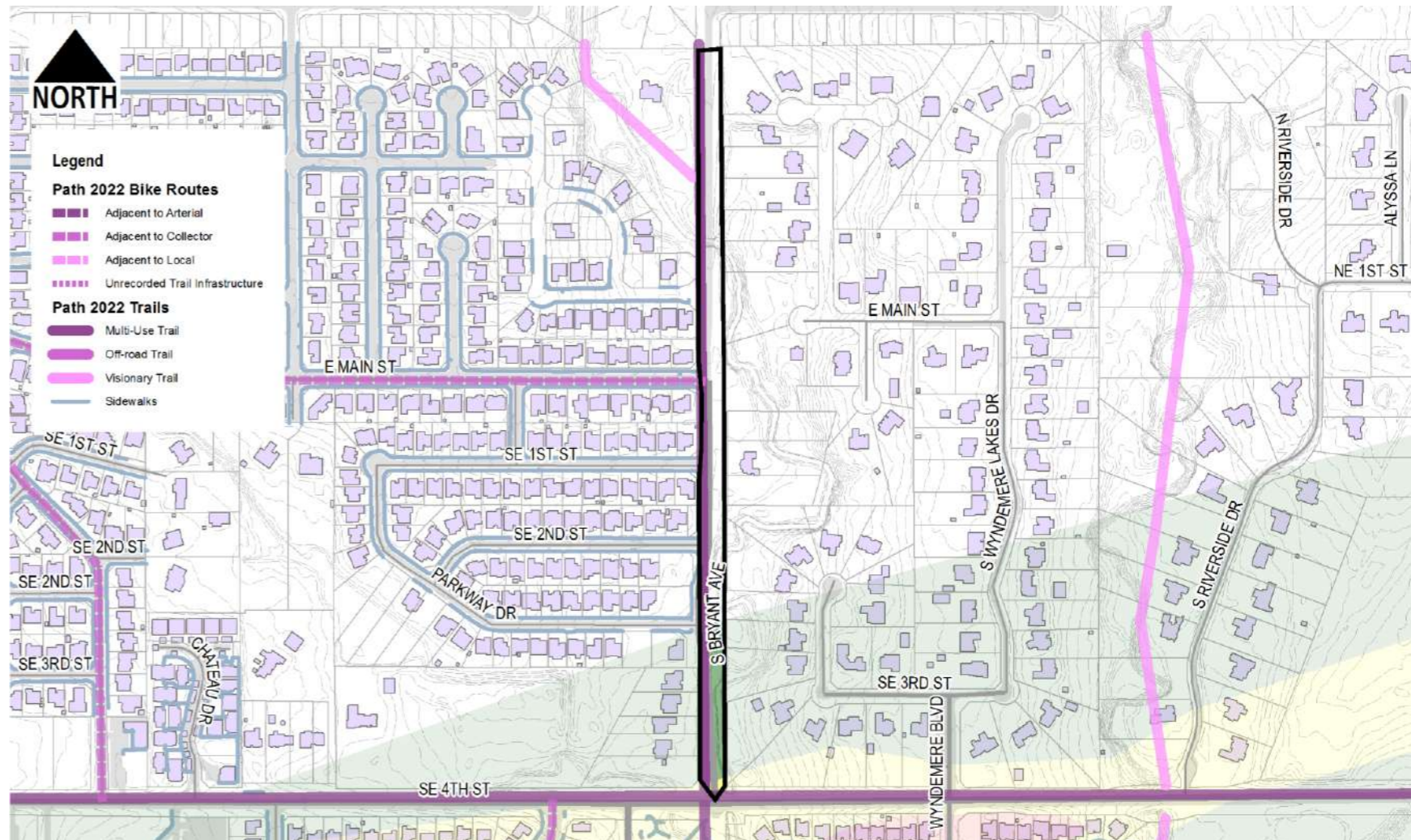
**Proximity Score 1.26**

### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00

**Damage Score 0.00**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
BW1 - Surface Spall	0	0.25	0.00	BW8 - Logitudinal Slope > 5%	0	0.25	0.00
BW2 - Joint Deflection	0	0.25	0.00	BW9 - Cross Slope > 2%	0	0.25	0.00
BW3 - Panel Settlement	0	0.25	0.00	BW10 - not ADA Compliant at intersection	0	0.25	0.00
BW4 - Panel Cracking	0	0.25	0.00	BW11 - Evidence of Ponding	0	0.25	0.00
BW5 - Obstructions Present	0	0.25	0.00	BW12 - Anticipated Future Damage	0	0.25	0.00
BW6 - Curb Ramps not Present	0	0.25	0.00	BW13 - Evidence of Recent Repair Work	0	0.25	0.00
BW7 - Sidewalk Missing/not Continuous	0	0.25	0.00	BW14 - Insufficient Vehicular Separation	0	0.25	0.00

**Condition Score 0.00**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Bryant Avenue  
 Assessment Sub-Area BA2  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q46c: Census Block Group	40027.2021.06.1	0.00	10.00	0.00
Q47: Improvements to Infrastructure would benefit LMI Census Block Group	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q48: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q49: Opportunity to improve community aesthetic	Yes	1.00	5.00	5.00
Q50: Current condition may be deterring reinvestment	Yes	1.00	5.00	5.00
Q51: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q52: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q53: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>25.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q54: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
			<b>Sustainability Score</b>	<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
BA2: 10-FT MULTI-USE TRAIL, VETERAN'S PARK TO MAIN STREET	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

Infrastructure Photographs



Infrastructure Rating Index (IRI) **46.76**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area: Broadway Avenue  
 Assessment Sub-Area: BR1  
 Infrastructure Category: Bikeways/Trails  
 Exhibit Group: E.6

### Assessment Data

Description	Value
Assessment By	J.Cotton / N. Clair
Date Range of Assessment	

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Bikeways</b>				
2012 Master Plan (ft)	5139			
Proposed: Portion along arterial roadways (ft)	5139			
Proposed: Portion along collector roadways (ft)	0			
Existing: Portion along local roadways (ft)	0			
<b>Trails</b>				
Existing (ft)	0			
Proposed (ft)	3904			
<b>Total Inventory</b>				
Length of Bikeways/Trails completed (ft)	0	0.00	1.00	0.00
Length of Bikeways/Trails remaining to be constructed (ft)	9043	1.00	5.00	5.00
<b>Available Right-of-Way/Easements</b>				
Q46a: Length of bikeways/trails to be constructed where sufficient right-of-way exists (ft)	9043	1.00	5.00	5.00
Q46b: Length of bikeways/trails to be constructed where insufficient right-of-way exists (ft)	0	0.00	1.00	0.00

**Background Score 10.00**

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Elementary School (ft)	0	0.00	5.00	0.00
Length within 0.25-mi of Junior High School (ft)	0	0.00	4.00	0.00
Length within 0.25-mi of Park (ft)	0	0.00	3.00	0.00
Length within 0.25-mi of Community Center (ft)	5142	0.57	1.00	0.57
Length within 0.25-mi of Library (ft)	729	0.08	1.00	0.08

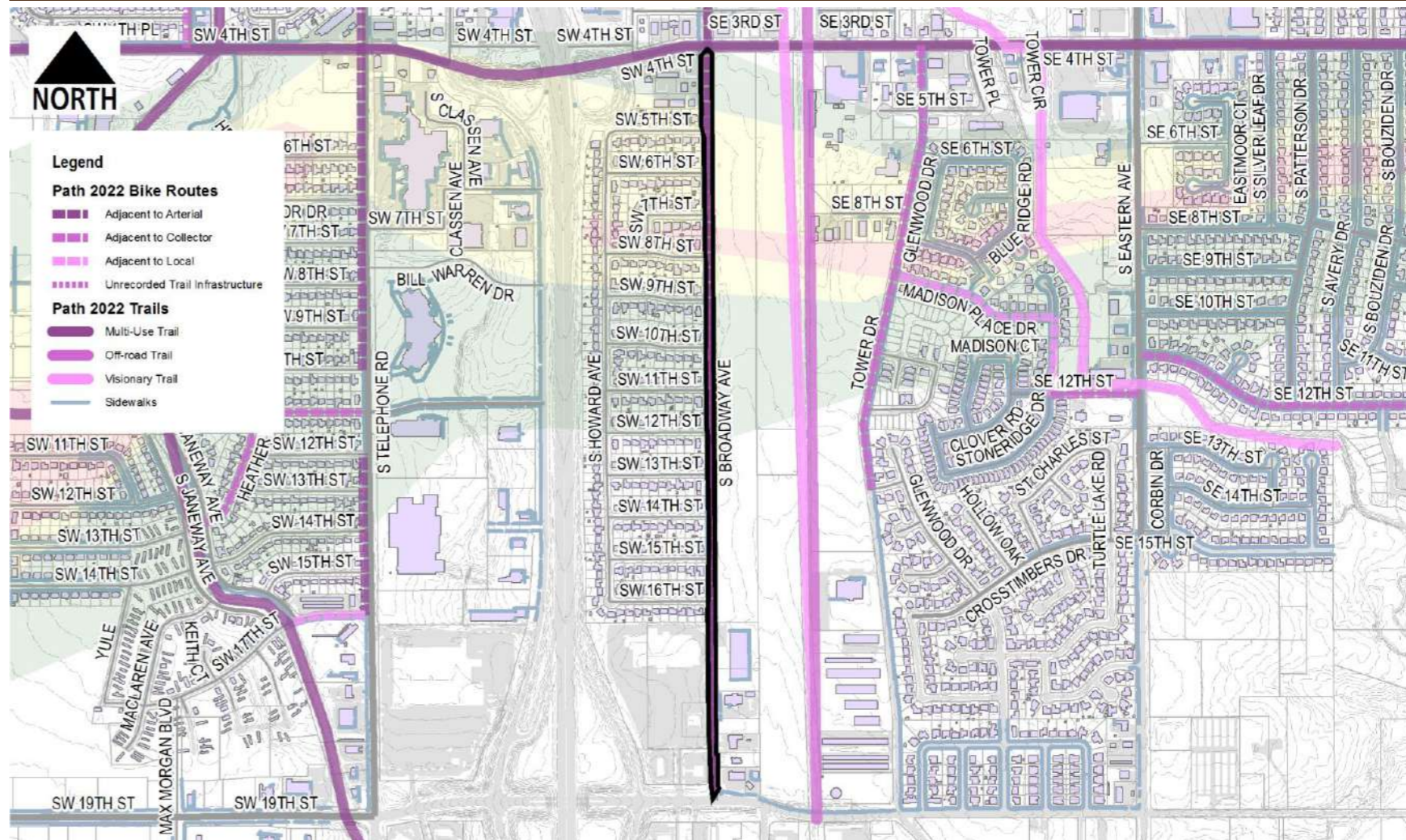
**Proximity Score 0.65**

### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00

**Damage Score 0.00**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
BW1 - Surface Spall	0	0.25	0.00	BW8 - Logitudinal Slope > 5%	0	0.25	0.00
BW2 - Joint Deflection	0	0.25	0.00	BW9 - Cross Slope > 2%	0	0.25	0.00
BW3 - Panel Settlement	0	0.25	0.00	BW10 - not ADA Compliant at intersection	0	0.25	0.00
BW4 - Panel Cracking	0	0.25	0.00	BW11 - Evidence of Ponding	0	0.25	0.00
BW5 - Obstructions Present	0	0.25	0.00	BW12 - Anticipated Future Damage	0	0.25	0.00
BW6 - Curb Ramps not Present	0	0.25	0.00	BW13 - Evidence of Recent Repair Work	0	0.25	0.00
BW7 - Sidewalk Missing/not Continuous	0	0.25	0.00	BW14 - Insufficient Vehicular Separation	0	0.25	0.00

**Condition Score 0.00**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Broadway Avenue  
 Assessment Sub-Area BR1  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q46c: Census Block Group	40027.2021.04.1	0.00	10.00	0.00
Q47: Improvements to Infrastructure would benefit LMI Census Block Group	No	0.00	5.00	0.00
			<b>LMI Score</b>	<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q48: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
			<b>Health and Safety Score</b>	<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q49: Opportunity to improve community aesthetic	Yes	1.00	5.00	5.00
Q50: Current condition may be deterring reinvestment	Yes	1.00	5.00	5.00
Q51: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q52: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q53: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
			<b>Recovery/Revitalization Score</b>	<b>25.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q54: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
			<b>Sustainability Score</b>	<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
BR1: NEW MULTI-USE TRAIL, EAST SIDE OF S. BROADWAY, ADJACENT TO NEW PARK	1.00	5.00	5.00	
			<b>Opportunity Score</b>	<b>5.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **45.65**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Baer's Westmoore  
Assessment Sub-Area BW2  
Infrastructure Category Bikeways/Trails  
Exhibit Group E.6

### Assessment Data

Description	Value
Assessment By	J.Cotton / N. Clair
Date Range of Assessment	

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Bikeways</b>				
2012 Master Plan (ft)	1441			
Proposed: Portion along arterial roadways (ft)	0			
Proposed: Portion along collector roadways (ft)	1441			
Existing: Portion along local roadways (ft)	0			
<b>Trails</b>				
Existing (ft)	0			
Proposed (ft)	0			
<b>Total Inventory</b>				
Length of Bikeways/Trails completed (ft)	0	0.00	1.00	0.00
Length of Bikeways/Trails remaining to be constructed (ft)	1441	1.00	5.00	5.00
<b>Available Right-of-Way/Easements</b>				
Q46a: Length of bikeways/trails to be constructed where sufficient right-of-way exists (ft)	1441	1.00	5.00	5.00
Q46b: Length of bikeways/trails to be constructed where insufficient right-of-way exists (ft)	0	0.00	1.00	0.00

**Background Score 10.00**

### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Elementary School (ft)	969	0.67	5.00	3.36
Length within 0.25-mi of Junior High School (ft)	170	0.12	4.00	0.47
Length within 0.25-mi of Park (ft)	1441	1.00	3.00	3.00
Length within 0.25-mi of Community Center (ft)	0	0.00	1.00	0.00
Length within 0.25-mi of Library (ft)	0	0.00	1.00	0.00

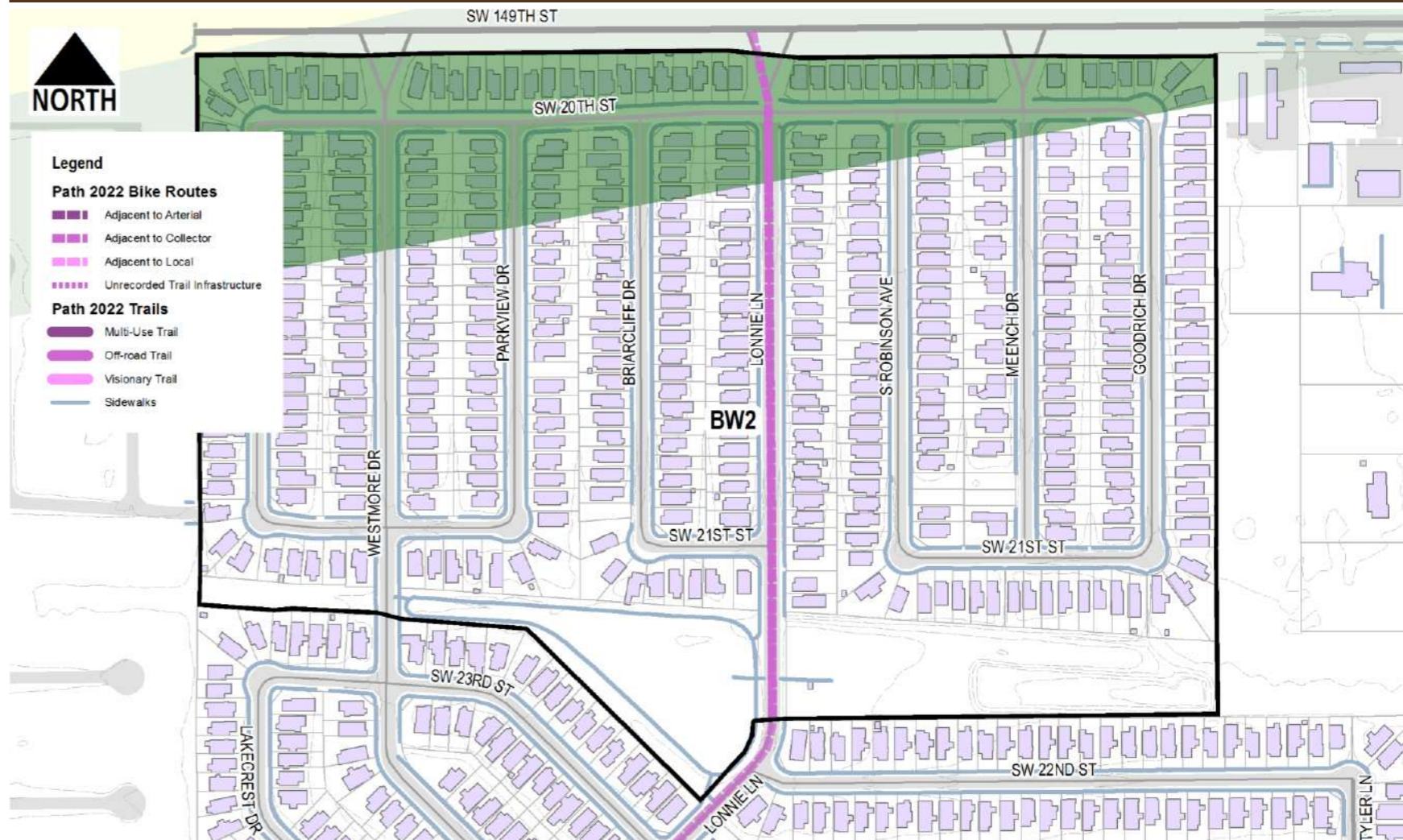
**Proximity Score 6.83**

### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00

**Damage Score 0.00**

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
BW1 - Surface Spall	0	0.25	0.00	BW8 - Logitudinal Slope > 5%	0	0.25	0.00
BW2 - Joint Deflection	0	0.25	0.00	BW9 - Cross Slope > 2%	0	0.25	0.00
BW3 - Panel Settlement	0	0.25	0.00	BW10 - not ADA Compliant at intersection	0	0.25	0.00
BW4 - Panel Cracking	2	0.25	0.50	BW11 - Evidence of Ponding	0	0.25	0.00
BW5 - Obstructions Present	0	0.25	0.00	BW12 - Anticipated Future Damage	0	0.25	0.00
BW6 - Curb Ramps not Present	0	0.25	0.00	BW13 - Evidence of Recent Repair Work	0	0.25	0.00
BW7 - Sidewalk Missing/not Continuous	0	0.25	0.00	BW14 - Insufficient Vehicular Separation	0	0.25	0.00

**Condition Score 0.50**





**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

**Assessment Area** Baer's Westmoore  
**Assessment Sub-Area** BW2  
**Infrastructure Category** Bikeways/Trails  
**Exhibit Group** E.6

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q46c: Census Block Group	40027.2022.05.2	0.00	10.00	0.00
Q47: Improvements to Infrastructure would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q48: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
<b>Health and Safety Score</b>				<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q49: Opportunity to improve community aesthetic	Yes	1.00	5.00	5.00
Q50: Current condition may be deterring reinvestment	Yes	1.00	5.00	5.00
Q51: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q52: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q53: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>25.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q54: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
<b>Sustainability Score</b>				<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
BW2: DEDICATED BIKE LANE, ALL TYPE A CORRIDORS IDENTIFIED IN STREETSCAPE ASSES	1.00	5.00	5.00	
<b>Opportunity Score</b>				<b>5.00</b>

**Infrastructure Photographs**



Infrastructure Rating Index (IRI) **52.33**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Eastern Avenue

Assessment Sub-Area EA1

Infrastructure Category Bikeways/Trails

Exhibit Group E.6

## Assessment Data

Description	Value
Assessment By	J.Cotton / N. Clair
Date Range of Assessment	

## Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Bikeways</b>				
2012 Master Plan (ft)	76			
Proposed: Portion along arterial roadways (ft)	0			
Proposed: Portion along collector roadways (ft)	76			
Existing: Portion along local roadways (ft)	0			
<b>Trails</b>				
Existing (ft)	0			
Proposed (ft)	100			
<b>Total Inventory</b>				
Length of Bikeways/Trails completed (ft)	0	0.00	1.00	0.00
Length of Bikeways/Trails remaining to be constructed (ft)	176	1.00	5.00	5.00
<b>Available Right-of-Way/Easements</b>				
Q46a: Length of bikeways/trails to be constructed where sufficient right-of-way exists (ft)	176	1.00	5.00	5.00
Q46b: Length of bikeways/trails to be constructed where insufficient right-of-way exists (ft)	0	0.00	1.00	0.00

**Background Score 10.00**

## Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Elementary School (ft)	0	0.00	5.00	0.00
Length within 0.25-mi of Junior High School (ft)	0	0.00	4.00	0.00
Length within 0.25-mi of Park (ft)	176	1.00	3.00	3.00
Length within 0.25-mi of Community Center (ft)	0	0.00	1.00	0.00
Length within 0.25-mi of Library (ft)	0	0.00	1.00	0.00

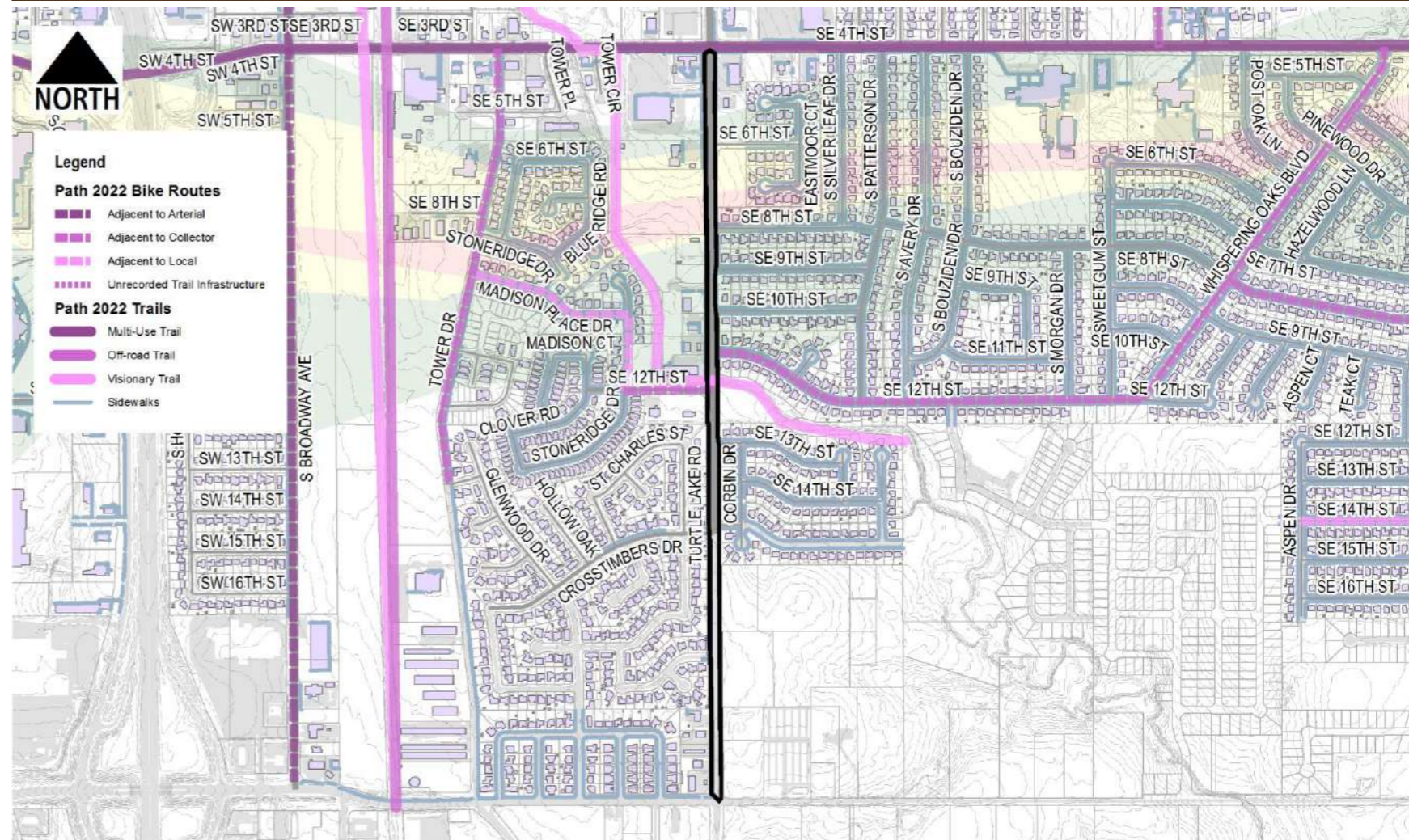
**Proximity Score 3.00**

## Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00

**Damage Score 0.00**

## Key Map



## Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
BW1 - Surface Spall	0	0.25	0.00	BW8 - Logitudinal Slope > 5%	0	0.25	0.00
BW2 - Joint Deflection	0	0.25	0.00	BW9 - Cross Slope > 2%	0	0.25	0.00
BW3 - Panel Settlement	0	0.25	0.00	BW10 - not ADA Compliant at intersection	0	0.25	0.00
BW4 - Panel Cracking	0	0.25	0.00	BW11 - Evidence of Ponding	0	0.25	0.00
BW5 - Obstructions Present	0	0.25	0.00	BW12 - Anticipated Future Damage	0	0.25	0.00
BW6 - Curb Ramps not Present	0	0.25	0.00	BW13 - Evidence of Recent Repair Work	0	0.25	0.00
BW7 - Sidewalk Missing/not Continuous	0	0.25	0.00	BW14 - Insufficient Vehicular Separation	0	0.25	0.00

**Condition Score 0.00**



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Eastern Avenue  
 Assessment Sub-Area EA1  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q46c: Census Block Group	40027.2021.05.1	0.00	10.00	0.00
Q47: Improvements to Infrastructure would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q48: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
<b>Health and Safety Score</b>				<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q49: Opportunity to improve community aesthetic	Yes	1.00	5.00	5.00
Q50: Current condition may be deterring reinvestment	Yes	1.00	5.00	5.00
Q51: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q52: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q53: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>25.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q54: Opportunity for introduction of sustainable design concepts	Yes	1.00	5.00	5.00
<b>Sustainability Score</b>				<b>5.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	Score
No Projects Available	0.00	0.00	0.00	0.00

Infrastructure Photographs



Infrastructure Rating Index (IRI) **43.00**



# City of Moore Infrastructure Recovery and Implementation Plan Infrastructure Assessment Form

Assessment Area Eastmoor / JD Estates  
 Assessment Sub-Area EJ1  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

### Assessment Data

Description	Value
Assessment By	J.Cotton / N. Clair
Date Range of Assessment	

### Background Data

Description	Value	Fraction of Total Length	Weighting Factor	Score
<b>Bikeways</b>				
2012 Master Plan (ft)	0			
Proposed: Portion along arterial roadways (ft)	0			
Proposed: Portion along collector roadways (ft)	0			
Existing: Portion along local roadways (ft)	0			
<b>Trails</b>				
Existing (ft)	0			
Proposed (ft)	0			
<b>Total Inventory</b>				
Length of Bikeways/Trails completed (ft)	0	0.00	1.00	0.00
Length of Bikeways/Trails remaining to be constructed (ft)	0	0.00	5.00	0.00
<b>Available Right-of-Way/Easements</b>				
Q46a: Length of bikeways/trails to be constructed where sufficient right-of-way exists (ft)	0	0.50	5.00	2.50
Q46b: Length of bikeways/trails to be constructed where insufficient right-of-way exists (ft)	0	0.50	1.00	0.50
<b>Background Score</b>				<b>3.00</b>

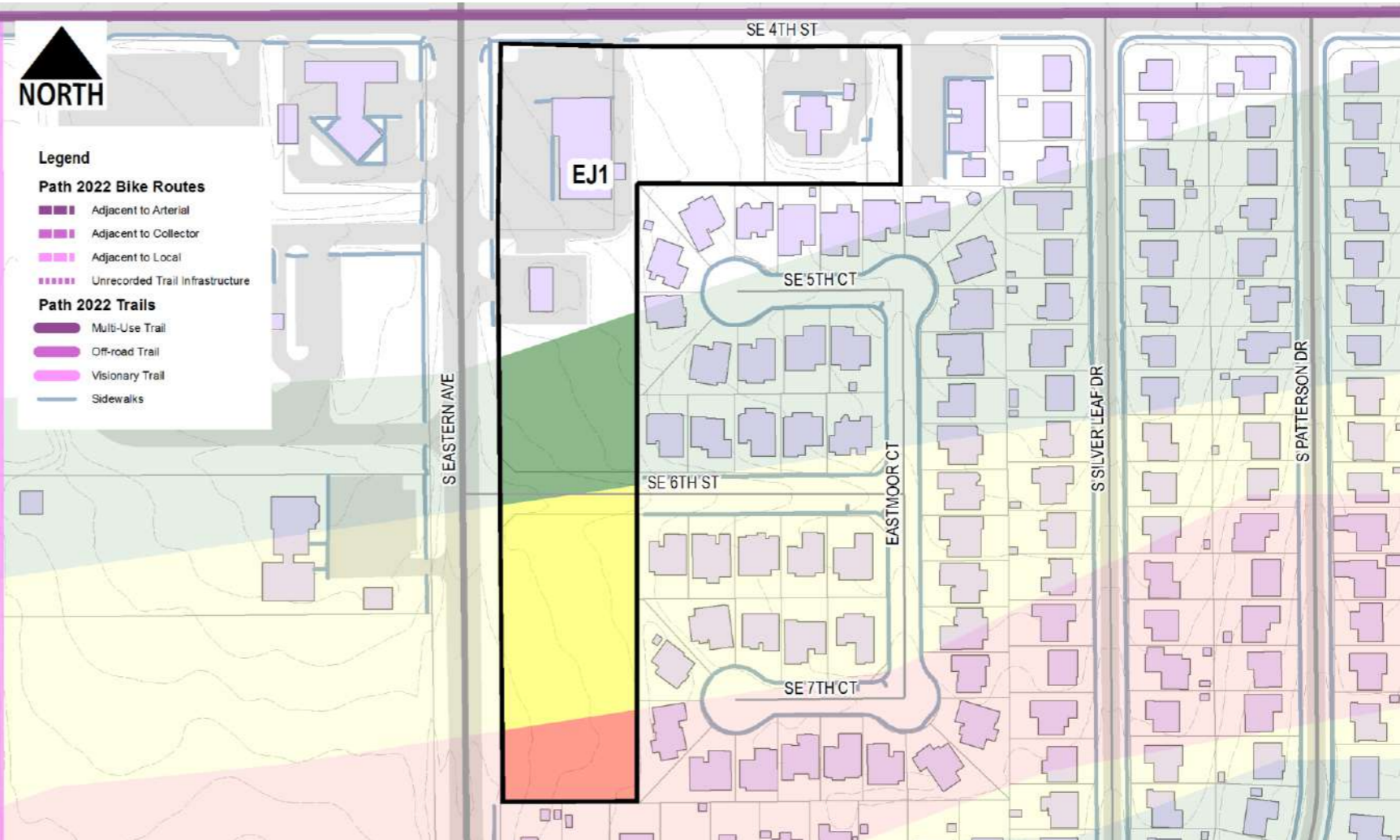
### Proximity Analysis

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within 0.25-mi of Elementary School (ft)	0	0.00	5.00	0.00
Length within 0.25-mi of Junior High School (ft)	0	0.00	4.00	0.00
Length within 0.25-mi of Park (ft)	0	0.00	3.00	0.00
Length within 0.25-mi of Community Center (ft)	0	0.00	1.00	0.00
Length within 0.25-mi of Library (ft)	0	0.00	1.00	0.00
<b>Proximity Score</b>				<b>0.00</b>

### Damage Score

Description	Value	Fraction of Total Length	Weighting Factor	Score
Length within EF4 to EF5 Damage Area prior to disaster (ft)	0	0.00	10.00	0.00
Length within EF2 to EF4 Damage Area prior to disaster (ft)	0	0.00	5.00	0.00
Length within EF0 to EF2 Damage Area prior to disaster (ft)	0	0.00	2.00	0.00
Length Outside Damage Area prior to Disaster (ft)	0	0.00	1.00	0.00
<b>Damage Score</b>				<b>0.00</b>

### Key Map



### Condition Analysis

Description	Quantity	Weighting Factor	Score	Description	Quantity	Weighting Factor	Score
BW1 - Surface Spall	0	0.25	0.00	BW8 - Logitudinal Slope > 5%	0	0.25	0.00
BW2 - Joint Deflection	0	0.25	0.00	BW9 - Cross Slope > 2%	0	0.25	0.00
BW3 - Panel Settlement	0	0.25	0.00	BW10 - not ADA Compliant at intersection	0	0.25	0.00
BW4 - Panel Cracking	0	0.25	0.00	BW11 - Evidence of Ponding	0	0.25	0.00
BW5 - Obstructions Present	0	0.25	0.00	BW12 - Anticipated Future Damage	0	0.25	0.00
BW6 - Curb Ramps not Present	0	0.25	0.00	BW13 - Evidence of Recent Repair Work	0	0.25	0.00
BW7 - Sidewalk Missing/not Continuous	0	0.25	0.00	BW14 - Insufficient Vehicular Separation	0	0.25	0.00
<b>Condition Score</b>							<b>0.00</b>



**City of Moore**  
**Infrastructure Recovery and Implementation Plan**  
 Infrastructure Assessment Form

Assessment Area Eastmoor / JD Estates  
 Assessment Sub-Area EJ1  
 Infrastructure Category Bikeways/Trails  
 Exhibit Group E.6

LMI Benefit				
Description	Value	Score	Weighting Factor	Score
Q46c: Census Block Group	40027.2021.05.3	0.00	10.00	0.00
Q47: Improvements to Infrastructure would benefit LMI Census Block Group	No	0.00	5.00	0.00
<b>LMI Score</b>				<b>0.00</b>

Health and Safety				
Description	Value	Score	Weighting Factor	Score
Q48: Opportunity to harden infrastructure against future disasters	No	0.00	1.00	0.00
<b>Health and Safety Score</b>				<b>0.00</b>

Long Term Recovery / Economic Revitalization				
Description	Value	Score	Weighting Factor	Score
Q49: Opportunity to improve community aesthetic	No	0.00	5.00	0.00
Q50: Current condition may be deterring reinvestment	Yes	1.00	5.00	5.00
Q51: Historic capacity / load / design issue with infrastructure	Yes	1.00	10.00	10.00
Q52: Projected capacity issue with infrastructure	Yes	1.00	5.00	5.00
Q53: Projected maintenance issue with infrastructure	No	0.00	5.00	0.00
<b>Recovery/Revitalization Score</b>				<b>20.00</b>

Sustainability				
Description	Value	Score	Weighting Factor	Score
Q54: Opportunity for introduction of sustainable design concepts	No	0.00	5.00	0.00
<b>Sustainability Score</b>				<b>0.00</b>

Opportunity Score				
Project Description	Score	Weighting Factor	Score	
No Projects Available	0.00	0.00	0.00	

Infrastructure Photographs



Infrastructure Rating Index (IRI) **23.00**