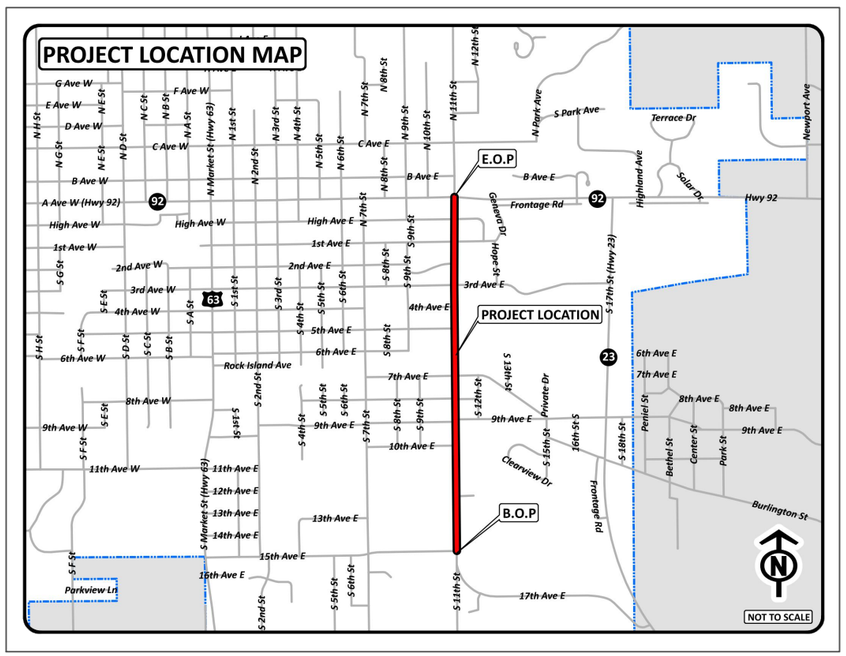
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT
OSKALOOSA, IOWA
2014

CITY of OSKALOOSA
Note the Difference™



SHEET INDEX

SHEET NO.	DESCRIPTION
A.1	TITLE SHEET
A.2	TRAFFIC CONTROL PLAN
A.3	GENERAL NOTES & QUANTITY TABULATION
A.4	TYPICAL SECTIONS
A.5	SUDAS SPECIFICATIONS
B.1-B.10	11TH STREET PLANS
15	TOTAL SHEETS

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

LICENSED PROFESSIONAL ENGINEER
AKHILESH PAL 20813
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Akhilesh Pal, P.E. Date

License Number: 20813
My license renewal date is: December 31, 2015

Pages or sheets covered by this seal:

ALL SHEETS

UTILITY CONTACT INFORMATION

UTILITY	ORGANIZATION/REPRESENTATIVE	PHONE
STORM AND SANITARY SEWER	CITY OF OSKALOOSA, KEVIN BORK	641-799-1625
WATER	OSKALOOSA WATER DEPT., CHAD COON	641-660-5555
NATURAL GAS	MID-AMERICAN ENERGY, JEFF FERGUSON	641-660-3068
ELECTRIC	MID-AMERICAN ENERGY, JASON SANDIFER	641-660-7217
COMMUNICATIONS	MCG, ANDY PADGETT	641-295-7068
TELEVISION	MEDIACOM, TIM EAGEN	319-350-3679
PHONE	CENTURY LINK, DUSTIN WITHERS	515-263-7202
PUBLIC WORKS	CITY OF OSKALOOSA, AKHILESH PAL & NATE WILLEY	641-673-7472
UNION PACIFIC RAILROAD	NATE WALTON	712-790-3888
TRAFFIC SIGNALS	DAVE DICKINSON	641-673-3256

CITY of OSKALOOSA Note the Difference™

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

NO.	REVISION/ISSUE	DATE

SHEET TITLE: TITLE SHEET

PROJECT NAME: SOUTH 11TH STREET PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO. A.1

1 TYPE III BARRICADE

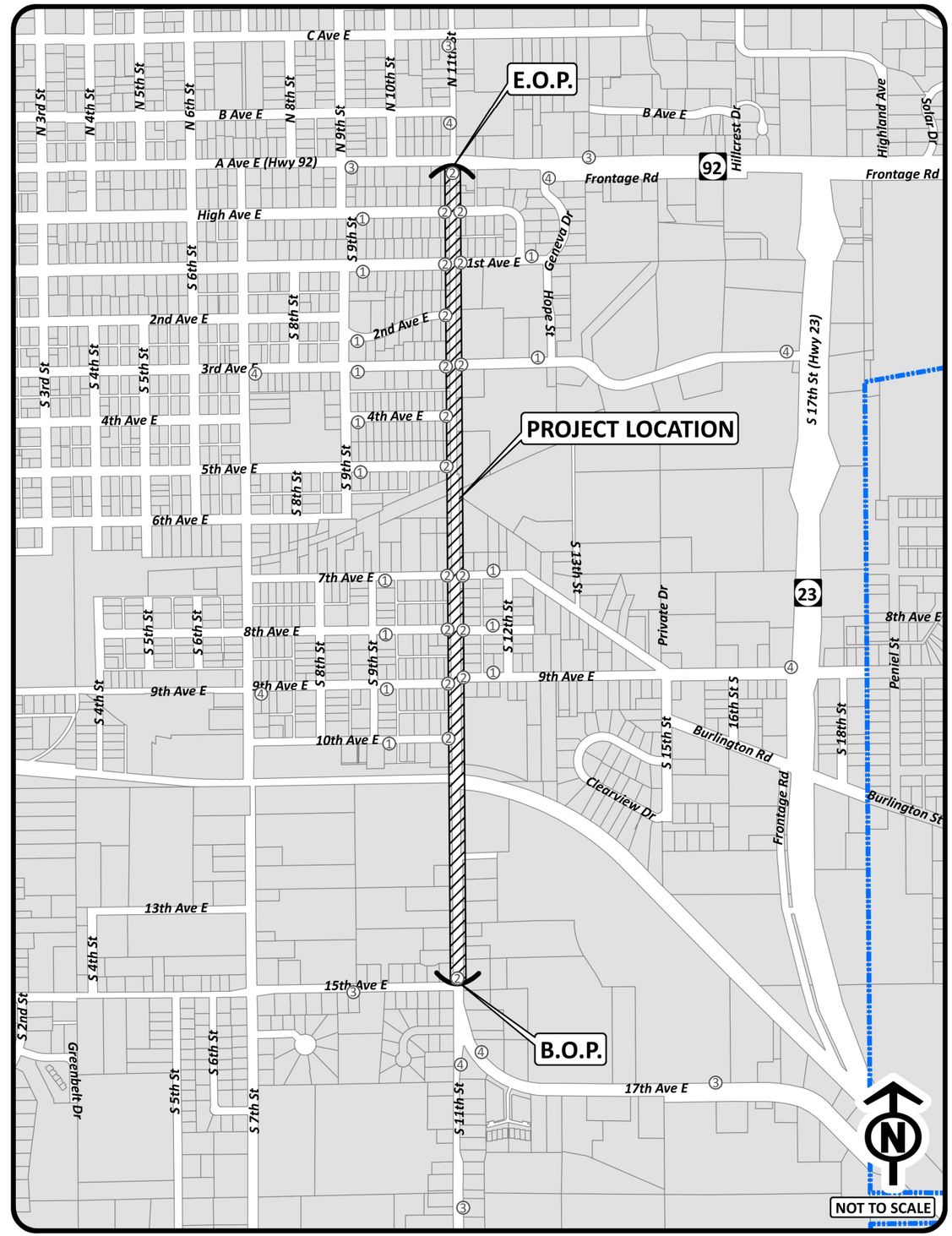
2 TYPE III BARRICADE

3 W20-1, 48" X 48"

4 W20-3, 48" X 48"

TRAFFIC CONTROL PLAN NOTES

1. TRAFFIC CONTROL AND SIGNING ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL SIGNS SHALL USE REFLECTIVE HIGH INTENSITY SHEETING OR BETTER.
2. WHERE POSSIBLE ALL POST MOUNTED SIGNS SHALL BE PLACED A MINIMUM OF TWO FEET CLEAR OF THE BACK OF CURB.
3. PERMANENT SIGNS CONVEYING A MESSAGE CONTRARY OR CONTRADICTORY TO THE MESSAGE OF TEMPORARY SIGNS AND/OR NOT APPLICABLE TO WORKING CONDITIONS SHALL BE COVERED BY THE CONTRACTOR WHEN DIRECTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL DEVICES, INCLUDING WOODEN POSTS SHALL BE FURNISHED, MAINTAINED, AND REMOVED BY THE CONTRACTOR.
5. THE LOCATION FOR STORAGE OF CONTRACTOR MATERIALS OR EQUIPMENT DURING NON-WORKING HOURS SHALL BE APPROVED BY THE ENGINEER IN CHARGE OF CONSTRUCTION.
6. PROPOSED SIGN SPACING MAY BE MODIFIED WITH THE ENGINEER'S APPROVAL TO MEET EXISTING FIELD RESTRICTIONS OR TO PREVENT OBSTRUCTION OF MOTORISTS VIEW OF PERMANENT SIGNING.
7. PROPOSED CHANGES IN THE TRAFFIC CONTROL PLAN SHALL BE REVIEWED WITH THE ENGINEER BEFORE THE CHANGES ARE MADE.
8. THE BID ITEM "TRAFFIC CONTROL" SHALL INCLUDE THE COST FOR ALL TRAFFIC CONTROL MEASURES REQUIRED OF THE CONTRACTOR.
9. ALL CONTRACTOR-FURNISHED BARRICADES, VERTICAL PANELS, AND FIXED POST MOUNTED TRAFFIC CONTROL SIGNS SHALL BE REFLECTORIZED WITH ENCAPSULATED LENS SHEETING MEETING STANDARD SPECIFICATIONS.
10. ARTICLE 2528.12 OF THE I.D.O.T. STANDARD SPECIFICATIONS REQUIRES MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES, INCLUDING MAINTENANCE OF THE DEVICES DURING NON-WORKING HOURS IN ORDER TO ASSURE PROPER OPERATION.
11. WHEN USED FOR TRAFFIC CONTROL OR PROTECTION OF THE WORK SITE, SAFETY FENCE MUST BE FIRMLY SUPPORTED IN A VERTICAL POSITION. RELATED COSTS WILL BE INCLUDED IN THE TRAFFIC CONTROL BID ITEM.
12. ALL "STOP" AND OTHER REGULATORY SIGNS ARE NOT TO BE DISTURBED UNTIL NECESSARY. IF A "STOP" OR OTHER REGULARTORY SIGN MUST BE REMOVED, IT CAN BE REMOVED AND STORED FOR THE CITY TO PICKUP.
13. TYPE "A" FLASHING WARNING LIGHTS ARE REQUIRED AND SHALL BE VISIBLE TO BOTH DIRECTIONS OF TRAFFIC. THE BACKSIDE OF THE TYPE III BARRICADES SHALL BE FULLY REFLECTORIZED UNLESS THERE IS NO ACCESS PERMITTED BEYOND THE BARRICADE. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARDS THE TRAFFIC SIDE.
14. A MINIMUM OF 2 TYPE III BARRICADES ARE NECESSARY TO CLOSE AN ENTIRE STREET.
15. ALLEYS ON CLOSED STREETS ARE REQUIRED TO HAVE TYPE III BARRICADES.
16. PRIVATE DRIVEWAYS CAN BE CLOSED WITH TYPE II BARRICADES.
17. TRAFFIC CONTROL WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE.
18. ALL EXISTING STREET INTERSECTIONS ARE TO BE OPEN FOR TRAFFIC AT ALL TIMES, EXCEPT WHEN PAVING AND/OR MAJOR CONSTRUCTION ACTIVITY IS IN PROGRESS.
19. THE CITY ENGINEER RESERVES THE RIGHT TO CHANGE THE TRAFFIC CONTROL PLAN WHEN REQUIRED.
20. IF CONSTRUCTION IS HALTED DUE TO EXTREME WEATHER CONDITIONS, CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF TRAFFIC CONTROL SIGNAGE AT NO ADDITIONAL COST.
21. CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED TRAFFIC CONTROL MEASURES ALONG A AVENUE (HWY 92) AT NO ADDITIONAL COST. TRAFFIC CONTROL, INCLUDING LANE CLOSURES, ALONG A AVENUE MUST FOLLOW IOWA DOT SPECIFICATIONS.



CITY OF OSKALOOSA
Note the Difference

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

NO.	REVISION/ISSUE	DATE

SHEET TITLE:
TRAFFIC CONTROL PLAN

PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO.
A.2

GENERAL NOTES:

1. THIS PROJECT INCLUDES ALL WORK AND MATERIALS ASSOCIATED WITH THE MILLING AND HMA OVERLAY OF AN EXISTING ROADWAY, CONCRETE STREET RECONSTRUCTION, FULL DEPTH CONCRETE AND ASPHALT PATCHING, NEW CONCRETE CURB AND GUTTER, NEW ADA ACCESSIBLE SIDEWALK RAMPS AT INTERSECTIONS WITHIN THE PROJECT LIMITS, DRIVEWAY REPLACEMENT, RECONSTRUCTING STORM SEWER INTAKES, TRAFFIC CONTROL, AND MISCELLANEOUS ASSOCIATED WORK INCLUDING CLEAN UP.

2. ALL CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF OSKALOOSA DEPARTMENT OF PUBLIC WORKS STANDARD DRAWINGS AND THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) STANDARD SPECIFICATIONS 2014 EDITION PLUS CURRENT SUPPLEMENTAL SPECIFICATIONS AND DETAILED SPECIFICATION REQUIREMENTS. SUDAS SPECIFICATION MANUALS CAN BE ORDERED FROM THE INSTITUTE FOR TRANSPORTATION (FORMERLY CTRE) - ATTN: BETH RICHARDS, 2711 SOUTH LOOP DRIVE, SUITE 4700, AMES, IA 50010-8664, PHONE: 515-294-2869. SPECIFICATIONS CAN ALSO BE VIEWED AT THE SUDAS WEBSITE (WWW.IOWASUDAS.ORG). CONTRACTOR SHALL HAVE A MINUMUM OF ONE SET OF PLANS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

3. NOTIFY AKHILESH PAL, DIRECTOR OF PUBLIC WORKS, CITY OF OSKALOOSA, AT 641-673-7472 TWO WEEKS PRIOR TO COMMENCING WORK. THROUGHOUT THE PROJECT, MAKE EVERY EFFORT TO COORDINATE WORK AND COOPERATE WITH ALL CITY PERSONNEL AND ENGINEERS.

4. CONTRACTOR SHOULD MAKE EVERY EFFORT TO ALLOW ACCESS DURING CONSTRUCTION AND SHALL NOTIFY PROPERTY OWNERS 48 HOURS IN ADVANCE IF ACCESS TO PROPERTIES WILL BE INTERRUPTED. ACCESS TO PRIVATE PROPERTY SHALL BE MAINTAINED AT ALL TIMES FOR EMERGENCY VEHICLES.

5. 11TH STREET FROM A AVENUE TO 15TH AVENUE WILL BE CLOSED ONCE CONSTRUCTION BEGINS. ALL EXISTING STREET INTERSECTIONS ARE TO REMAIN OPEN FOR TRAFFIC AT ALL TIMES, EXCEPT WHEN PAVING AND/OR MAJOR CONSTRUCTION ACTIVITY IS IN PROGRESS. THE CITY ENGINEER RESERVES THE RIGHT TO MODIFY TRAFFIC CONTROL AS NEEDED. BARRICADES AND SIGNAGE SHALL BE FURNISHED BY THE CONTRACTOR AND INSTALLED PER THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). TRAFFIC CONTROL SHALL ALSO BE IN ACCORDANCE WITH THE PLAN SPECIFICATIONS, IOWA DOT STANDARD SPECIFICATION SECTION 2528, AND APPLICABLE IOWA DOT STANDARD ROAD PLANS. CONTRACTOR SHALL MAINTAIN, CLEAN AS NECESSARY, AND REPLACE DAMAGED TRAFFIC CONTROL DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION.

6. TRAFFIC CONTROL WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE AND SHALL BE FULL COMPENSATION FOR PROVIDING, MAINTAINING, AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES. NO SEPARATE PAYMENT WILL BE MADE FOR FLAGGERS AND PILOT CARS IF REQUIRED BY THE CONTRACT DOCUMENTS; INCLUDE IN LUMP SUM PRICE FOR TRAFFIC CONTROL.

7. ASPHALT PAVEMENT MILLINGS GENERATED BY THE MILLING PROCESS SHALL REMAIN THE PROPERTY OF THE CITY OF OSKALOOSA. MILLINGS SHALL BE DELIVERED TO THE CITY STORAGE YARD AT THE INTERSECTION OF THIRD AVENUE AND SUFFOLK ROAD. MILLINGS SHALL BE DEPOSITED IN A LOCATION DESIGNATED BY THE CITY ENGINEER.

8. ALL SALVAGE MATERIAL SHALL BE DELIVERED TO THE CITY STORAGE YARD.

9. CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL TESTING, INCLUDING OBTAINING SAMPLES. REQUIRED TESTS INCLUDE DENSITY (7020 3.04B) AND THICKNESS (7020 3.04C). PAVEMENT SMOOTHNESS (7020 3.05B PROFILOGRAPH) NOT REQUIRED.

10. CONTRACTOR SHALL PROVIDE QUALITY CONTROL IN ACCORDANCE WITH SECTION 7020 3.06B.

11. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES IN SERVICE DURING CONSTRUCTION. ALL FIXTURES SHALL BE ADJUSTED TO CONFORM TO THE FINISHED SURFACE OF THE STREET. IF CONFLICTS OCCUR, ADDITIONAL WORK WILL BE ACCOMMODATED AS EXTRA WORK.

12. PROTECT ALL UTILITES FROM DAMAGE DURING CONSTRUCTION UNLESS OTHERWISE SHOWN ON PLANS. ANY UTILITIES DAMAGED DUE TO CONTRACTOR'S NEGLIGENCE WILL BE REPAIRED AT THEIR EXPENSE.

13. CONTRACTOR SHALL PRESERVE ALL MONUMENTS, STAKES, PROPERTY PINS, REFERENCE POINTS, AND BENCHMARKS. IN CASE OF DESTRUCTION BY CONTRACTOR'S NEGLIGENCE OR CARELESSNESS, THEY WILL BE CHARGED WITH THE RESULTING EXPENSE OF REPLACEMENT AND RESPONSIBILITY FOR ANY MISTAKES OR LOSS OF TIME CAUSED THEREBY.

14. CONTRACTOR SHALL PROVIDE HIS OWN WASTE AREA FOR WASTE MATERIAL REMOVED FROM THE PROJECT SITE. THE WASTE AREA WILL BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

15. CONTRACTOR SHALL PREVENT THE ENTRY OF MUD, DIRT, DEBRIS, AND OTHER MATERIAL INTO EXISTING SEWERS. SHOULD MUD, DIRT, DEBRIS, OR OTHER MATERIAL ENTER THE SEWERS, THE CONTRACTOR SHALL CLEAN AT NO COST TO THE OWNER.

16. CONCRETE MIX SHALL BE IDOT C-3WR-C OR C-4WR-C FOR ALL PAVEMENT, DRIVEWAYS, AND SIDEWALKS. COARSE AGGREGATE SHALL BE CLASS 3 DURABILITY. USE OF FLY ASH AND GROUND GRANULATED BLAST FURNACE SLAG (GGBFS) SHALL BE IN ACCORDANCE WITH SECTION 7010 2.02C OF THE SUDAS SPECIFICATIONS.

17. CONTRACTOR SHALL BE THE RESPONSIBLE PARTY FOR ALL TESTING AND RE-TESTING OF P.C. CONCRETE REQUIRED BY SUDAS SPECIFICATIONS INCLUDING AIR CONTENT, SLUMP, AND CYLINDERS.

18. THE JURISDICTION RESERVES THE RIGHT TO MAKE ALTERATIONS IN THE PLANS OR IN THE QUANTITIES OF THE WORK AS MAY BE CONSIDERED NECESSARY. SUCH ALTERATIONS SHALL BE IN COMPLIANCE WITH SUDAS SECTION 1040 1.06 AND SHALL NOT BE CONSIDERED AS A WAIVER OF ANY CONDITIONS OF THE CONTRACT DOCUMENTS OR TO INVALIDATE ANY OF THE PROVISIONS THEREOF.

19. ALL TRAFFIC SIGNAGE INTERFERING WITH COSTRUCTION SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

ESTIMATED PROJECT QUANTITIES

SOUTH 11TH STREET (A AVENUE EAST TO 15TH AVENUE EAST)

NO.	BID ITEM NO.	BID ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	REMARKS
1	1090-105-D	Mobilization	LS	1	
2	2010-108-E-0	Excavation - Class 10, 12, or 13	CY	500	Excavation required in order to place 6" granular subbase under new pavement, driveways, and curb and gutter. Includes excavation for new sidewalk and ramps.
3	2010-108-I-0	Subbase, Granular	TON	850	Place a minimum of 6" of compacted granular subbase under new pavement, driveways, and curb and gutter.
4	6010-108-B-0	Storm Sewer Intake Rebuild	EA	12	Reconstruct storm sewer intakes according to SUDAS Specifications Section 6010. Quanity may be adjusted to reflect partial reconstructions. Partial reconstructions will be approved at the discretion of the City engineer. Include removal in unit price.
5	6010-108-E	Manhole Adjustments	EA	12	See General Notes #11.
6	7010-108-A-0	PCC Pavement, 8" Thick	SY	1,800	Includes all reinforcement, saw cuts, and crack sealing. See page A.4 for details.
7	7010-108-E-0	2.5' Curb and Gutter, 8" Thick	LF	1,150	Includes saw cuts, crack sealing, and grout along the back of the new curb. See additional notes and details on page A.4 and A.5.
8	7010-108-I-0	PCC Pavement Samples and Testing	LS	1	See General Notes.
9	7020-108-A-0	HMA Interlayer Base (PG 64-34)	TON	625	1" Base Course on mainline paving
10	7020-108-A-0	HMA Surface (PG 64-22)	TON	1,050	1.5" Surface Course on mainline paving. Includes asphalt for driveways and an asphalt street approach.
11	7020-108-H-0	HMA Pavement Samples and Testing	LS	1	See General Notes.
12	7030-108-A-0	Sidewalk Removal	SY	250	
13	7030-108-A-0	Driveway Removal	SY	575	
14	7030-108-E-0	PCC Sidewalk, 4" Thick	SY	100	Quanity may be adjusted in order to accommodate ADA standards.
15	7030-108-E-0	PCC Sidewalk, 6" Thick	SY	200	All ramps, landings, and driveway sections shall be 6" thick. Follow SUDAS ADA ramp specifications. Includes crack sealing at expansion joints. Truncated domes will be provided and placed by City staff. Contractor will need to cut panels to fit when necessary.
16	7030-108-H-1	PCC Paved Driveway, 6" Thick	SY	250	Includes saw cuts and crack sealing at expansion joints.
17	7030-108-H-2	Granular Surfacing	TON	100	Material to be used for gravel driveways and to provide a smooth transition from the new overlay to the existing shoulder and/or roadways and to fill potholes in the existing shoulder. The material shall be placed and bladed smooth. Complete rebuilding of the shoulder is not a part of this project. All, part, or none of this bid quantity may be used.
18	7040-108-A-0	Full Depth Concrete Patches	SY	550	Includes saw cuts, dowels, concrete removal, and subgrade restoration.
19	7040-108-A-0	Full Depth Asphalt Patches	SY	25	Includes saw cuts, concrete removal, and subgrade restoration.
20	7040-108-D-0	Transverse Crack Cleaning and Filling	LF	4,000	Quantity to be used at the discretion of the City engineer. Includes cleaning out and filling transverse cracks with HMA. See page A.4 for details. All, part, or none of this bid quantity may be used.
21	7040-108-G-0	Pavement Milling	SY	6,100	Includes all necessary saw cuts. See page A.4 for edge milling details.
22	7040-108-H-0	Pavement Removal	SY	1,100	
23	7040-108-I-0	Curb and Gutter Removal	LF	1,150	
24	9010-108-A-0	Conventional Seeding, Fertilizing, and Mulching	LS	1	Fertilize, seed, and mulch all areas disturbed by construction within IA DOT specified seeding dates. Use Type 1 (Permanent Lawn Mixture) seed mix.
25	XXX-XXXX-X-X	Traffic Control	LS	1	Follow MUTCD Section 6. Refer to notes on pages A.2 and A.3.
26	XXX-XXXX-X-X	Water Valve Adjustments	EA	11	See General Notes #11.
27	XXX-XXXX-X-X	Fabric Matting	LF	12,500	To be utilized at the discretion of the City engineer over longitundinal joints and transverse cracks. All, part, or none of this bid quantity may be used.

CONSTRUCTION NOTES:

1. PUBLIC UTILITY FIXTURES ARE EXISTING WITHIN THE CONSTRUCTION AREA. NOT ALL PUBLIC UTILITIES AND FIXTURES ARE SHOWN ON THE PLANS. WHEN ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES AND TO AVOID THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICE.

2. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING, AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

3. PLAN SHEETS INCLUDED IN THE PROJECT ARE FOR THE PURPOSE OF ALIGNMENT, APPROXIMATE LOCATIONS, AND OVERALL SCOPE AND DIRECTION OF THE WORK TO BE PERFORMED UNDER THE CONTRACT. IRRELEVANT DATA ON THESE SHEETS IS NOT CONSIDERED A PART OF THIS CONTRACT.

4. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE WASTE AREAS AND DISPOSAL SITES FOR EXCESS MATERIAL (EXCAVATED MATERIAL) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES. NO MATERIAL SHALL BE PLACED WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE CITY ENGINEER.

5. LOCATIONS AND QUANTITIES OF CURB AND GUTTER REPAIRS, FULL AND PARTIAL DEPTH PATCHING, NEW 8" PCC PAVEMENT, DRIVEWAY REPLACEMENT, AND PCC SIDEWALK AND RAMPS SHOWN ON THE PLANS ARE APPROXIMATE. QUANTITIES AND LOCATIONS MAY BE ALTERED AT THE DISCRETION OF THE CITY ENGINEER. ADDITIONAL FULL AND/OR PARTIAL DEPTH PATCHING MAY BE REQUIRED IN EXISTING ASPHALT OVERLAY SECTIONS.

6. NO ADDITIONAL COST WILL BE CHARGED IF PROJECT IS HALTED DUE TO EXTREME WEATHER CONDITIONS AND IF THE QUANTITIES, INCLUDING ALTERATIONS, REMAIN WITHIN THE PROJECT SCOPE PER SUDAS SECTION 1040.

7. IF THE RESURFACING IS SUSPENDED DUE TO WINTER WEATHER, THE FULL DEPTH PATCHES MUST BE FILLED TO GRADE WITH AT NO ADDITIONAL COST.

CITY OF OSKALOOSA
Note the Difference™
OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

NO.	REVISION/ISSUE	DATE

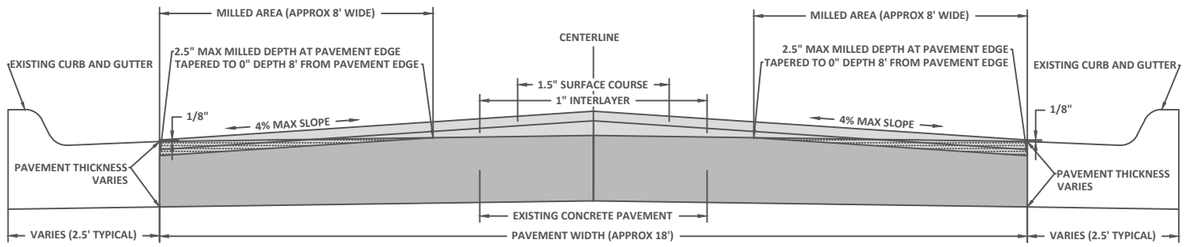
SHEET TITLE: GENERAL NOTES & QUANTITY TABULATION

PROJECT NAME: SOUTH 11TH STREET PAVEMENT REHABILITATION PROJECT

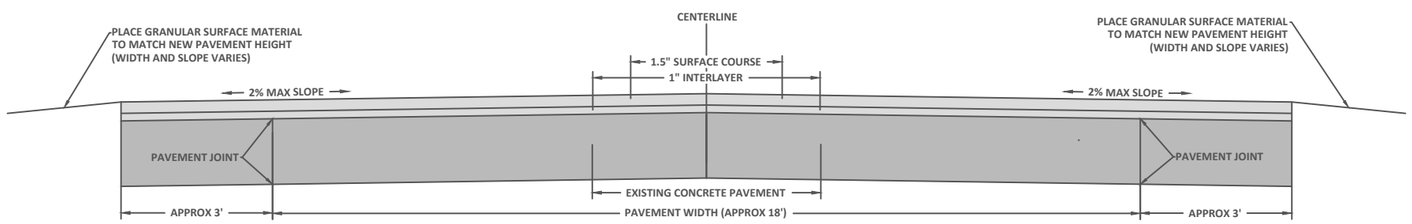
DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO.
A.3

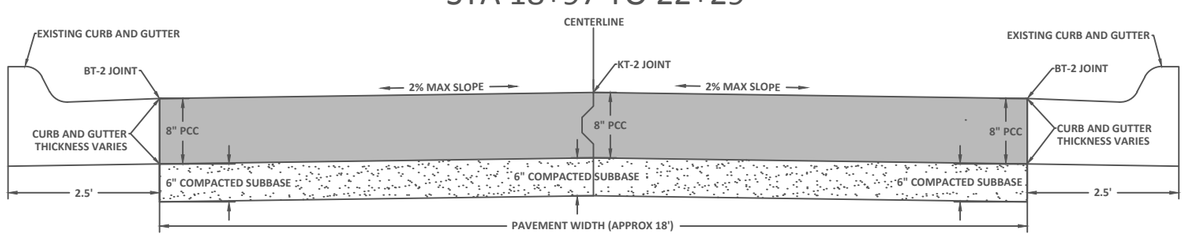
TYPICAL SECTION - HMA RESURFACING WITH EXISTING CURB AND GUTTER
STA 18+16 (WEST SIDE) & 18+63 (EAST SIDE) TO 18+97 & STA 22+29 TO 52+17



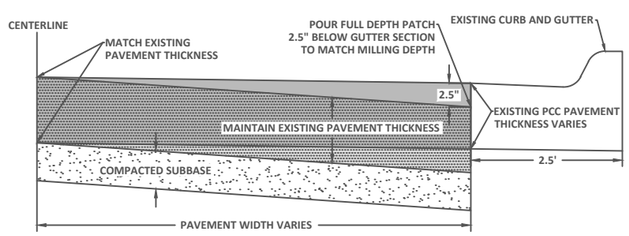
TYPICAL SECTION - HMA RESURFACING WITHOUT CURB AND GUTTER
STA 0+46 TO 18+16 (WEST SIDE) & 18+63 (EAST SIDE)



TYPICAL SECTION - CONCRETE PAVEMENT RECONSTRUCTION
STA 18+97 TO 22+29



FULL DEPTH CONCRETE PATCH WITH CURB AND GUTTER



ADDITIONAL CONSTRUCTION NOTES:

CURB AND GUTTER REPLACEMENT*:

1. CURB AND GUTTER SHALL BE 8" THICK.
2. DOWEL INTO STREET AND EXISTING CURB AND GUTTER WHERE POSSIBLE.
3. MATCH EXISTING CURB AND GUTTER WIDTH AND TYPE.
4. PLACE AND SEAL EXPANSION JOINT BETWEEN BACK OF CURB AND ANY OTHER PCC PAVEMENT.
5. JOINTS ARE TO BE SPACED A MAXIMUM OF 12' APART.
6. GROUT THE BACK OF CURB.

FULL DEPTH PATCHES*:

1. MATCH EXISTING PAVEMENT THICKNESS. ADDITIONAL EXCAVATION MAY BE REQUIRED.
2. DOWEL INTO EXISTING CONCRETE PER SUDAS SPECIFICATIONS (PCC PATCHES).
3. WHERE CURB AND GUTTER EXIST, PLACE SUBBASE AND CONCRETE AS SHOWN IN THE FULL DEPTH PATCH DETAIL ON THIS PAGE. WHERE NO CURB AND GUTTER EXISTS, MATCH EXISTING PAVEMENT THICKNESS.

CONSTRUCTION OF NEW ADA SIDEWALK AND RAMPS*:

1. COMPACT SUBGRADE. GRANULAR SUBBASE IS NOT REQUIRED FOR SIDEWALKS.
2. PLACE AND SEAL EXPANSION JOINT BETWEEN BACK OF CURB AND SIDEWALK RAMP.
3. TRUNCATED DOMES WILL BE PROVIDED AND PLACED BY CITY OF OSKALOOSA STAFF. CONTRACTOR WILL NEED TO CUT PANELS TO FIT WHEN NECESSARY.

NEW 8" CONCRETE PAVEMENT RECONSTRUCTION*:

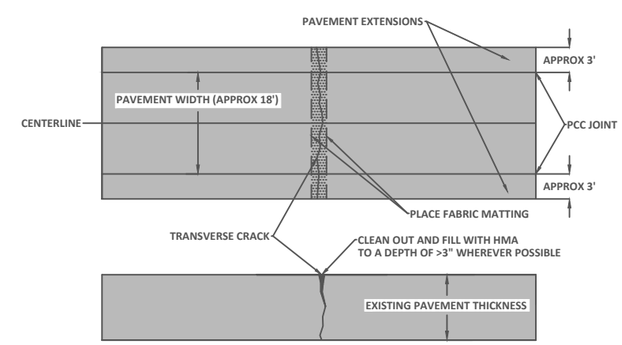
1. DOWEL INTO EXISTING PAVEMENT PER SUDAS SPECIFICATIONS.
2. PLACE DOWELS AT SAW CUT JOINTS. JOINT SPACING WILL BE DETERMINED BY ENGINEER.
3. SEAL ALL JOINTS.

DRIVEWAYS AND STREET APPROACHES (STA 0+46 TO 18+97)*:

1. MUST BE COMPLETED AFTER THE HMA RESURFACING.
2. ALL DRIVEWAYS SHALL BE 6" THICK. ASPHALT DRIVEWAYS SHALL BE PLACED IN 2 LIFTS. ASPHALT STREET APPROACH SHALL BE 8" THICK AND PLACED IN 3 LIFTS.
2. WHENEVER POSSIBLE, EQUIPMENT MUST NOT TRAVEL OVER OR BE PARKED ON THE NEW ASPHALT PAVEMENT. ANY DAMAGE TO THE NEW PAVEMENT WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

*SEE PLAN SHEETS FOR APPROXIMATE LOCATIONS.

TRANSVERSE CRACK FILLING DETAIL



CITY OF OSKALOOSA
Note the Difference
OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

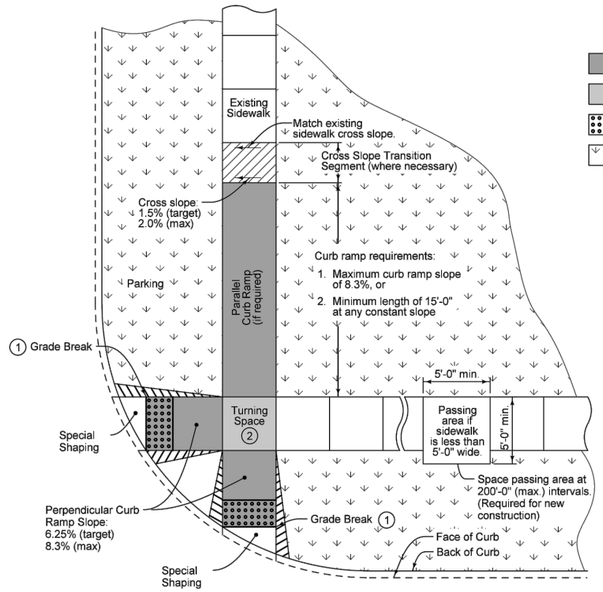
NO.	REVISION/ISSUE	DATE

SHEET TITLE: TYPICAL SECTIONS

PROJECT NAME: SOUTH 11TH STREET PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO. A.4



Key

- Curb Ramp
- Turning Space
- Detectable Warning
- Grass

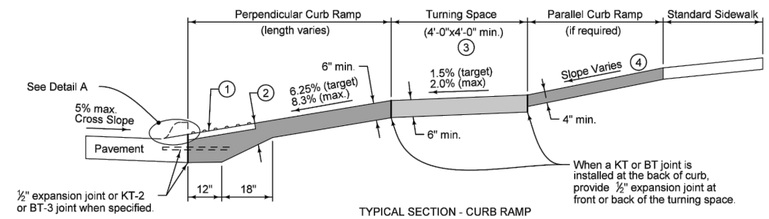
1. Match pedestrian street crossing slope, or flatter.
2. Minimum 4 feet by 4 feet. Target slope = 1.5%; maximum slope = 2.0% perpendicular to adjoining sidewalks and curb ramps.

FIGURE 7030.204 | SHEET 1 OF 1

SUDAS | REVISION New 10-16-12 | 7030.204 | SHEET 1 of 1

SUDAS Standard Specifications

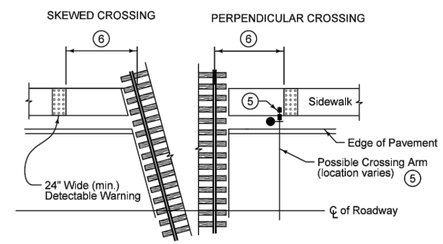
GENERAL FEATURES OF AN ACCESSIBLE SIDEWALK



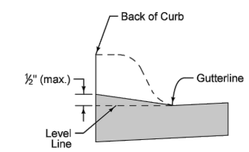
TYPICAL SECTION - CURB RAMP

Key

- Curb Ramp
- Turning Space
- Detectable warning



DETECTABLE WARNING LOCATION AT RAILROAD CROSSING



DETAIL A

1. Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares.
2. Provide a minimum of 6 inches of concrete below the detectable warning panel.
3. Target slope of 1.5% with maximum slope perpendicular to the travel directions of 2.0%. Minimum 4 feet by 4 feet.
4. If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.

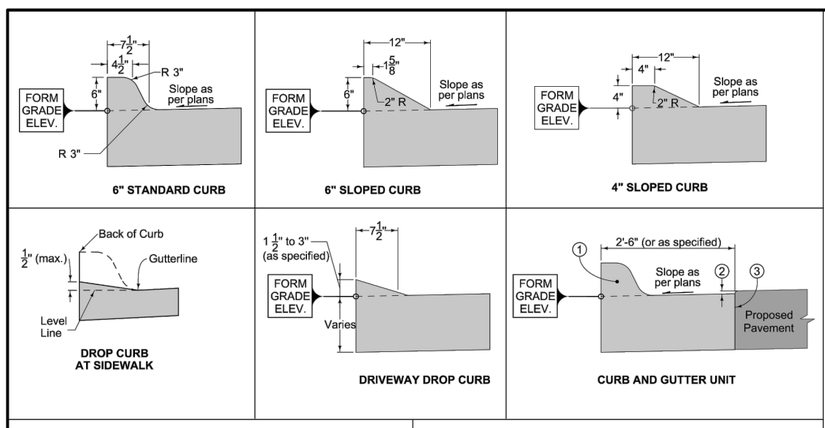
   The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.
5. If crossing gate conflicts with location of detectable warning or if pedestrian crossing gate is provided, place detectable warning panel in advance of the crossing gate.
6. Locate front edge of detectable warning panel 12 to 15 feet from centerline of nearest rail. Orient truncated domes parallel to the direction of pedestrian travel.

FIGURE 7030.205 | SHEET 1 OF 1

SUDAS | REVISION New 10-16-12 | 7030.205 | SHEET 1 of 1

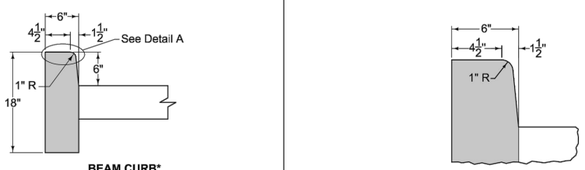
SUDAS Standard Specifications

GENERAL SIDEWALK AND CURB RAMP DETAILS



For joint details, see PV-101.

1. 6" Standard Curb, 6" Sloped Curb, or 4" Sloped Curb as specified.
2. ⅛" if Proposed Pavement is HMA. No elevation difference if Proposed Pavement is PCC.
3. 'BT' , 'KT', or 'L' joint if Proposed Pavement is PCC. 'B' joint if Proposed Pavement is HMA.



BEAM CURB*
*For short replacement sections, match existing curb profile

DETAIL A

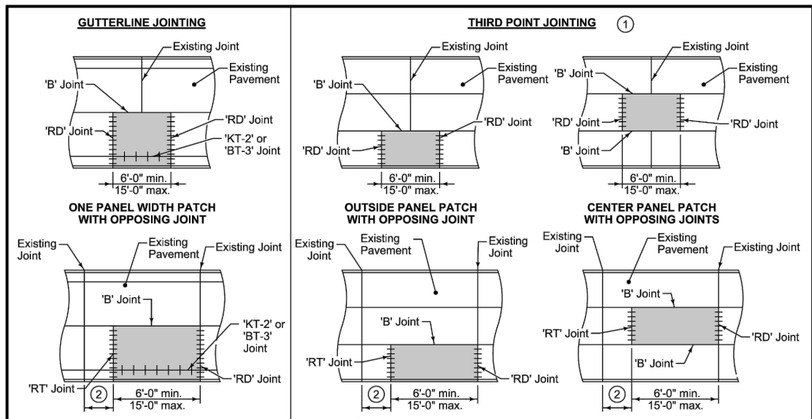
FIGURE 7010.102 | SHEET 1 OF 2

SUDAS | Iowa Department of Transportation | REVISION 3 04-15-14 | FIGURE 7010.102 | STANDARD ROAD PLAN | PV-102 | SHEET 1 of 2

REVISIONS: Added the Jointing Diagram for Curb and Gutter and page 2.

SUDAS DIRECTOR | DESIGN METHODS ENGINEER

PCC CURB DETAILS



1. Patches on roadways with quarter point jointing will be similar to third point jointing details.
2. Minimum distance between existing joint and patch is 6 feet. If distance is less than 6 feet, extend patch to existing joint.
3. If subgrade or subbase material is required below patch, bring material to bottom of pavement.

LONGITUDINAL SECTION THRU PCC PATCH

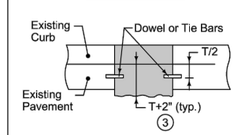


FIGURE 7040.101 | SHEET 1 OF 1

SUDAS | REVISION 1 10-16-12 | 7040.101 | SHEET 1 of 1

SUDAS Standard Specifications

FULL DEPTH PCC PATCHES LESS THAN OR EQUAL TO 15' LONG

CITY OF OSKALOOSA Note the Difference
OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

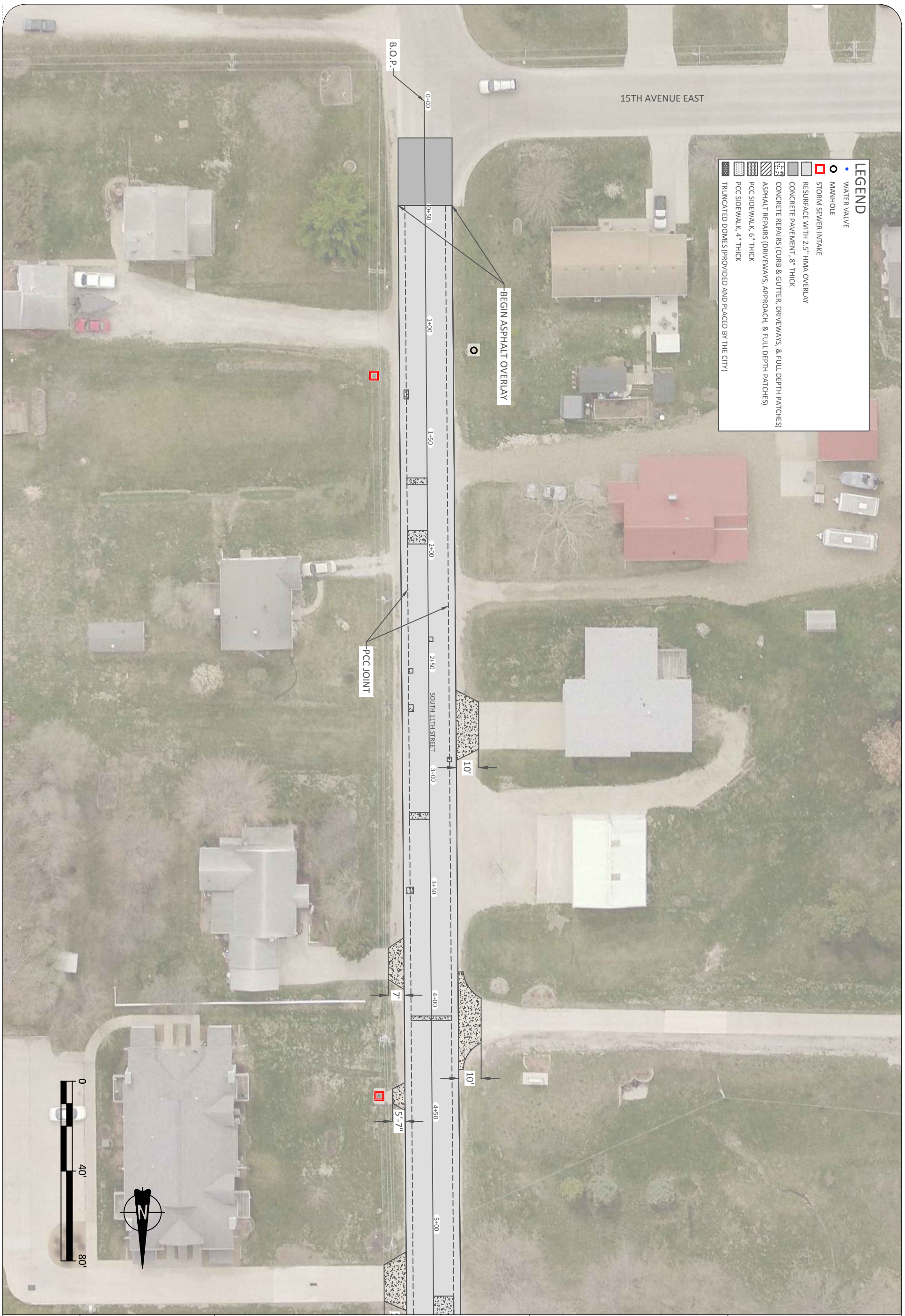
NO.	REVISION/ISSUE	DATE

SHEET TITLE: SUDAS SPECIFICATIONS

PROJECT NAME: SOUTH 11TH STREET PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO. A.5



SHEET NO. B.1	DRAWN BY: NW	PROJECT NAME: SOUTH 11TH STREET PAVEMENT REHABILITATION PROJECT	SHEET TITLE: SOUTH 11TH STREET PLAN (STA 0+00 TO 5+00)
	APPROVED BY: AP		
	DATE: JULY 14, 2014		
	PROJECT NO. 2010-13		

CITY of OSKALOOSA Note the Difference™

NO.	REVISION/ISSUE	DATE

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

SHEET NO. B.2

DRAWN BY:	NW
APPROVED BY:	AP
DATE:	JULY 14, 2014
PROJECT NO.	2010-13

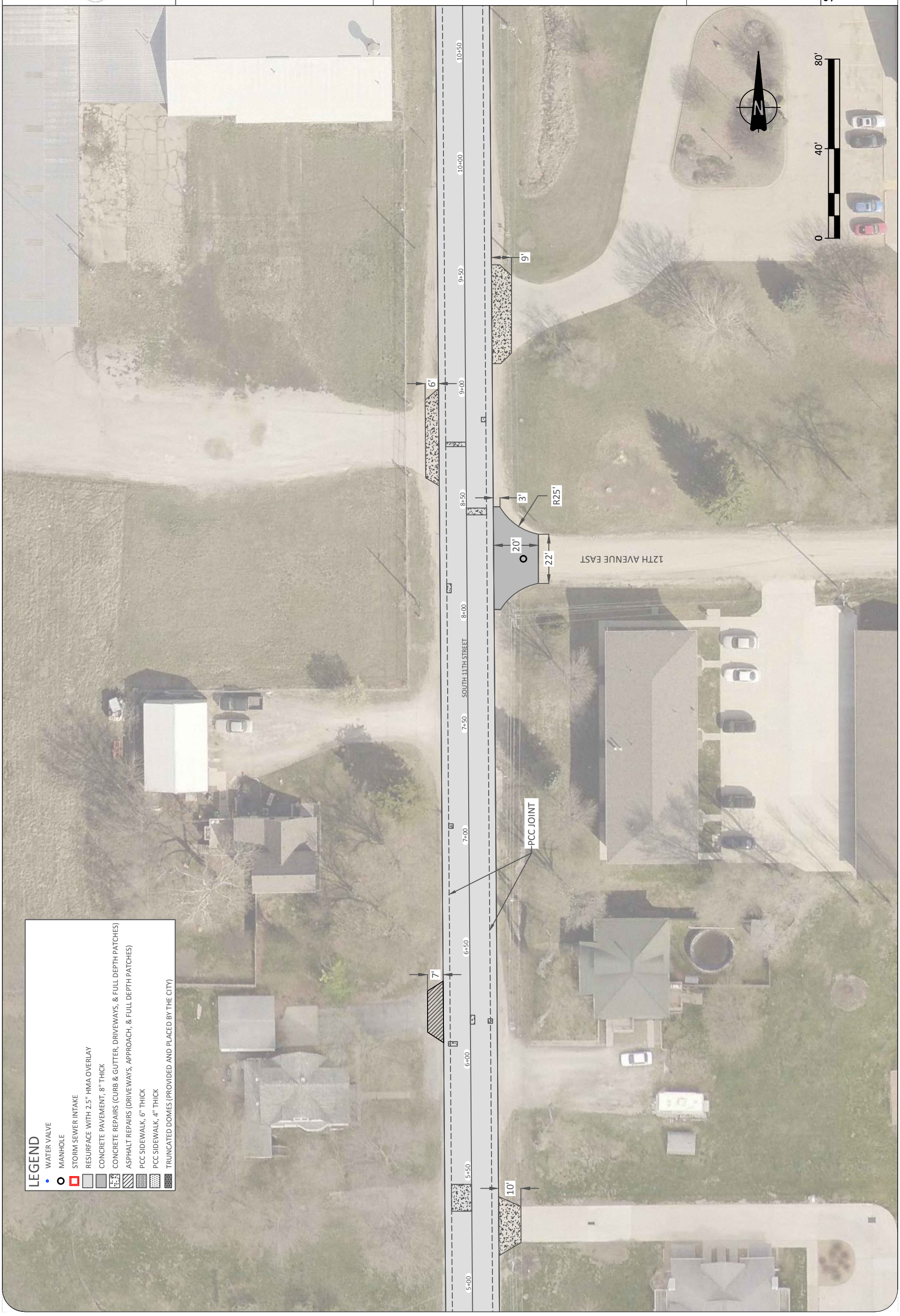
PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

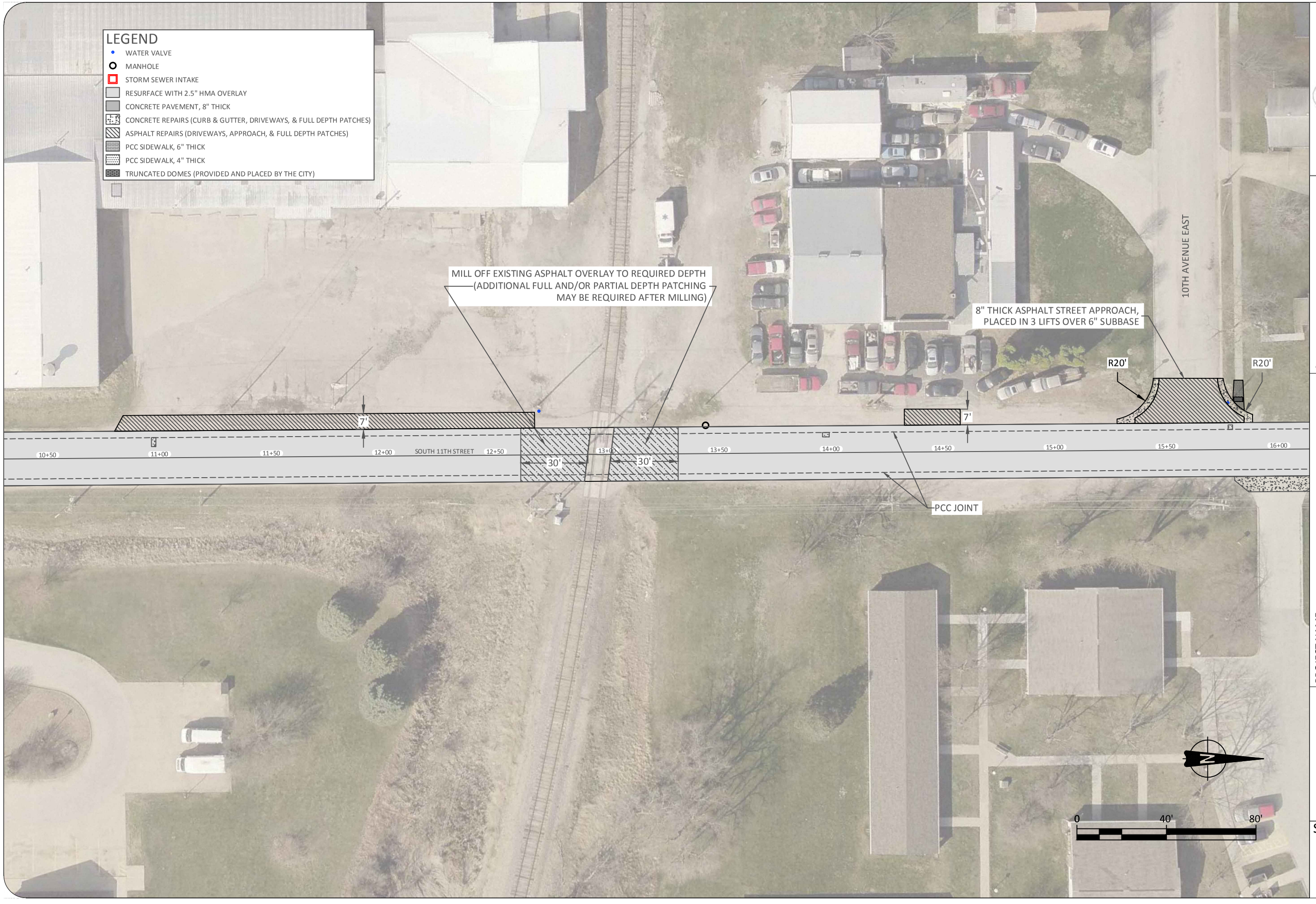
SHEET TITLE:
SOUTH 11TH STREET PLAN
(STA 5+00 TO 10+50)

CITY OF OSKALOOSA
Note the Difference

NO.	REVISION/ISSUE	DATE

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733





CITY OF OSKALOOSA
Note the Difference

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

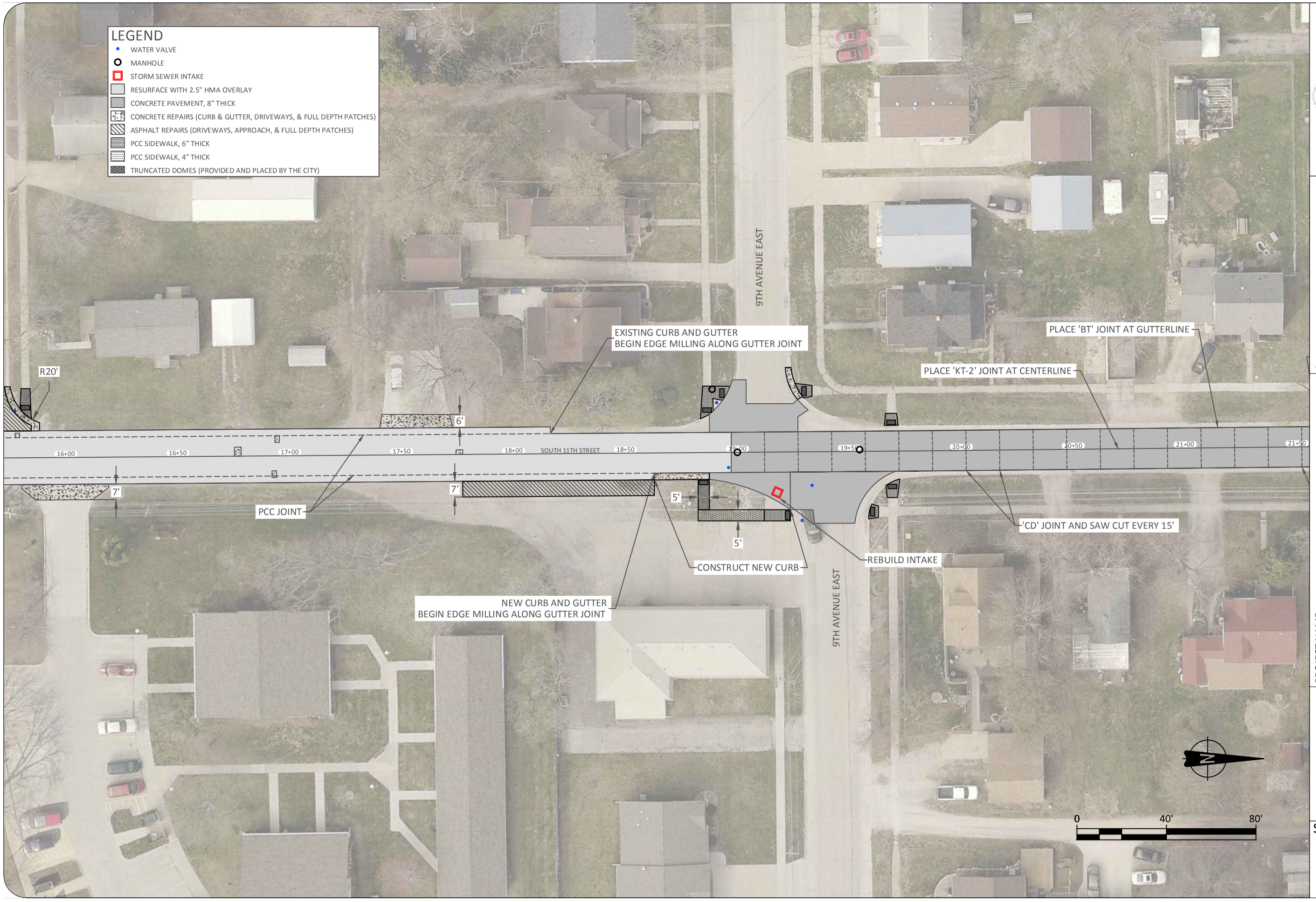
NO.	REVISION/ISSUE	DATE

SHEET TITLE:
SOUTH 11TH STREET PLAN
(STA 10+50 TO 16+00)

PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO.
B.3



CITY OF OSKALOOSA
Note the Difference

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

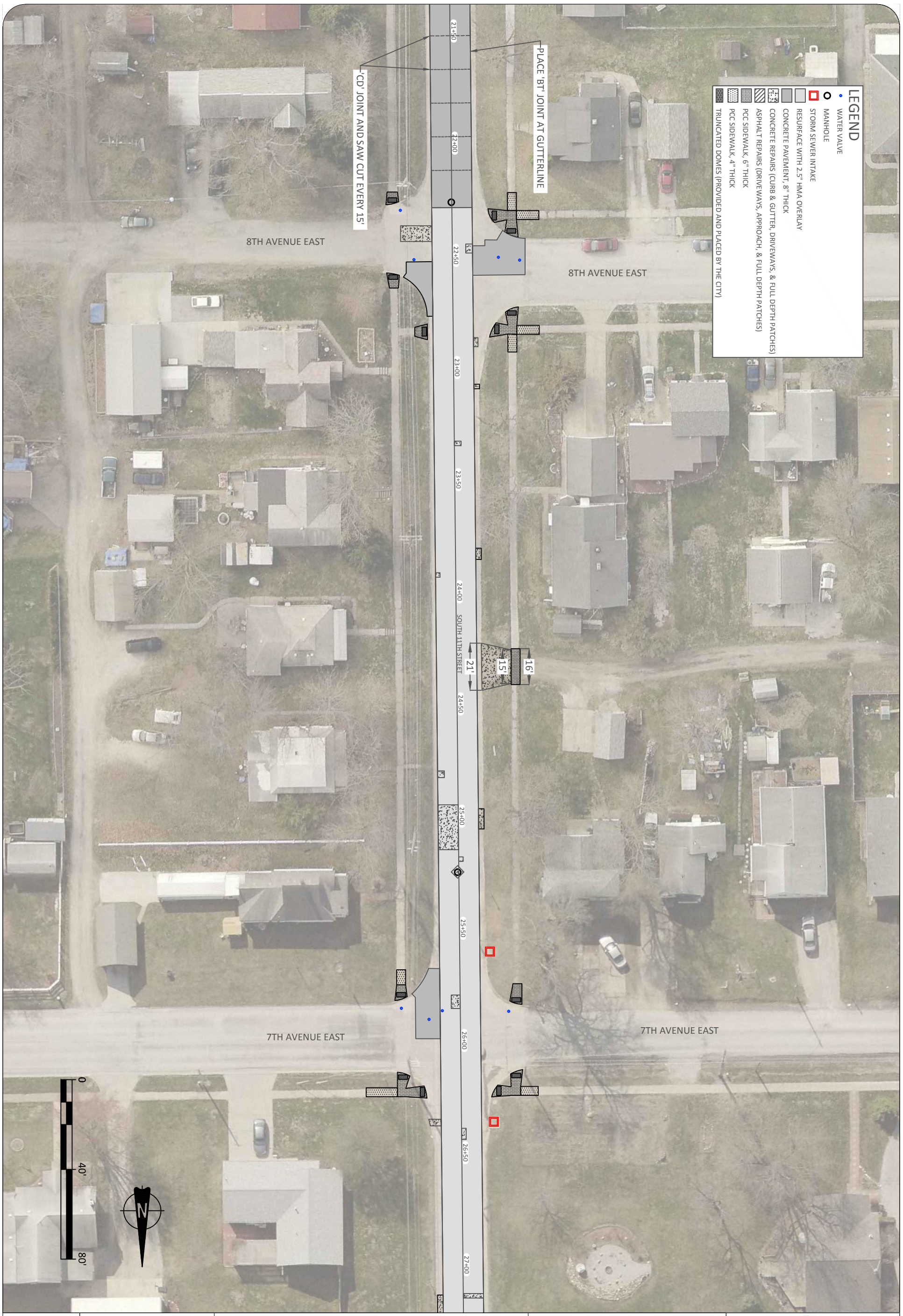
NO.	REVISION/ISSUE	DATE

SHEET TITLE:
SOUTH 11TH STREET PLAN
(STA 16+00 TO 21+50)

PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO.
B.4

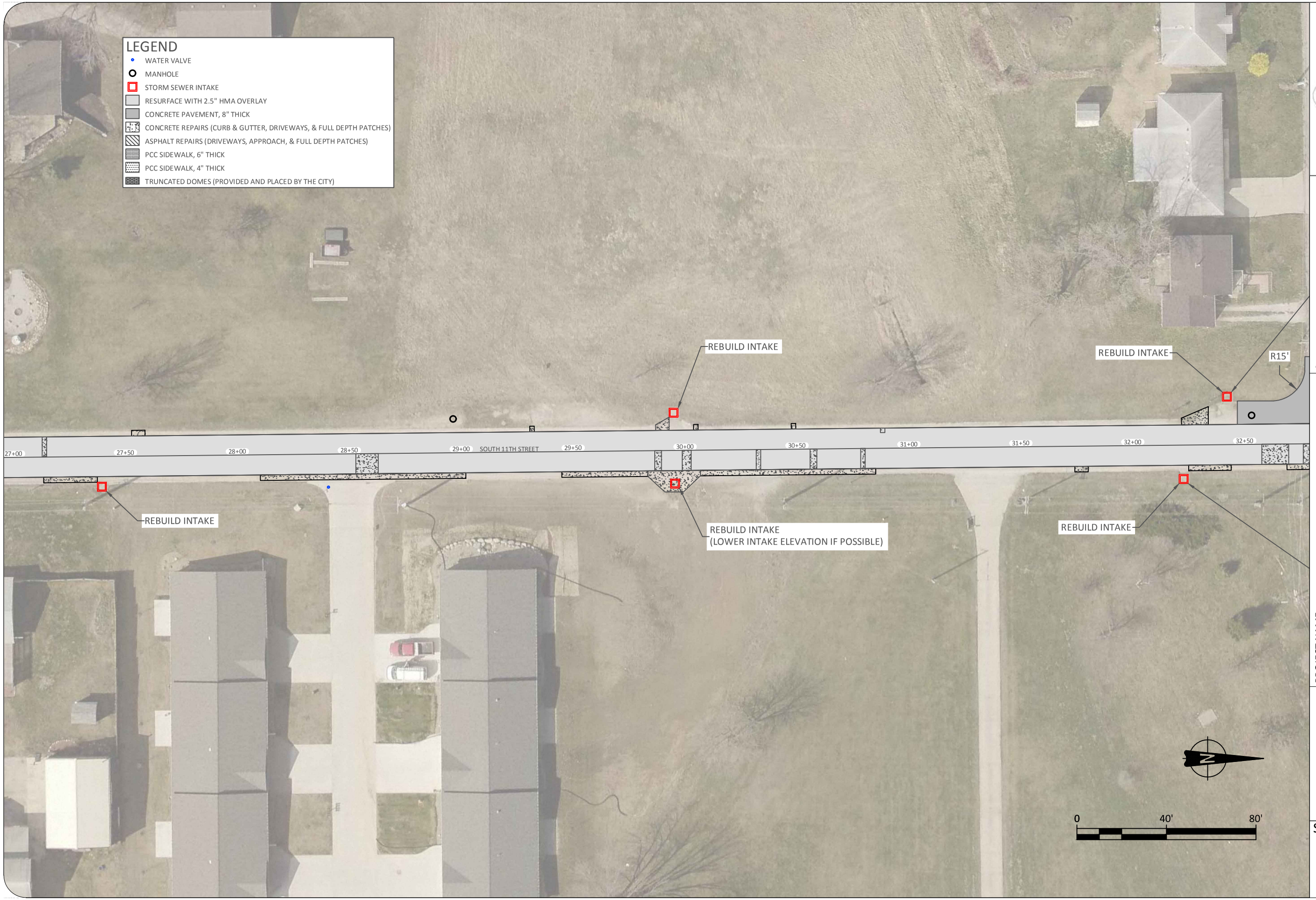


SHEET NO. B.5	DRAWN BY: NW	PROJECT NAME: SOUTH 11TH STREET PAVEMENT REHABILITATION PROJECT	SHEET TITLE: SOUTH 11TH STREET PLAN (STA 21+50 TO 27+00)
	APPROVED BY: AP		
	DATE: JULY 14, 2014		
	PROJECT NO. 2010-13		

NO.	REVISION/ISSUE	DATE

CITY OF OSKALOOSA
Note the Difference™

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733



CITY OF OSKALOOSA
Note the Difference

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

NO.	REVISION/ISSUE	DATE

SHEET TITLE:
SOUTH 11TH STREET PLAN
(STA 27+00 TO 32+50)

PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO.
B.6

SHEET NO.
B.7

DRAWN BY:	NW
APPROVED BY:	AP
DATE:	JULY 14, 2014
PROJECT NO.	2010-13

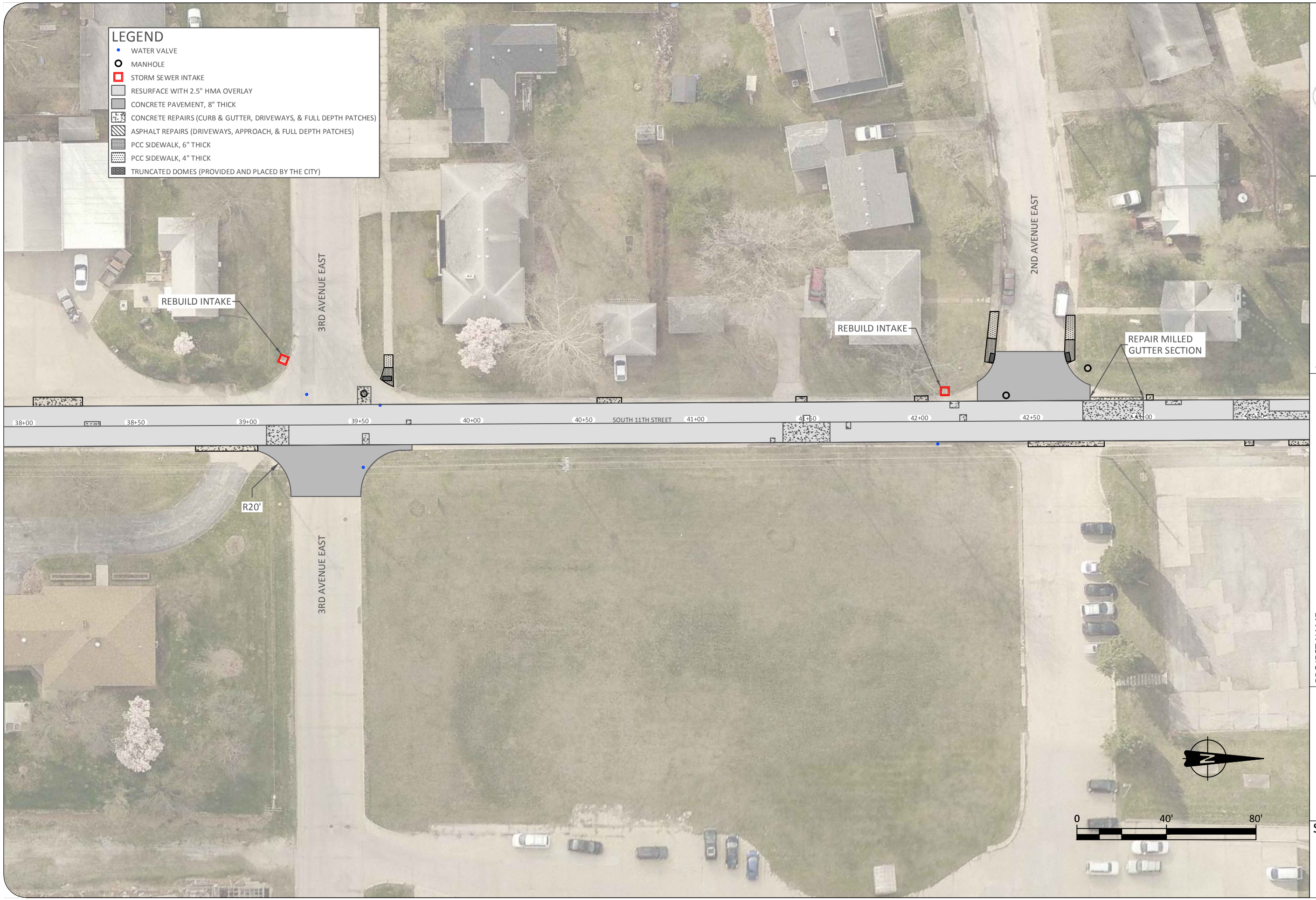
PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

SHEET TITLE:
SOUTH 11TH STREET PLAN
(STA 32+50 TO 38+00)

CITY of OSKALOOSA
Note the Difference™

NO.	REVISION/ISSUE	DATE

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733



CITY OF OSKALOOSA
Note the Difference

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

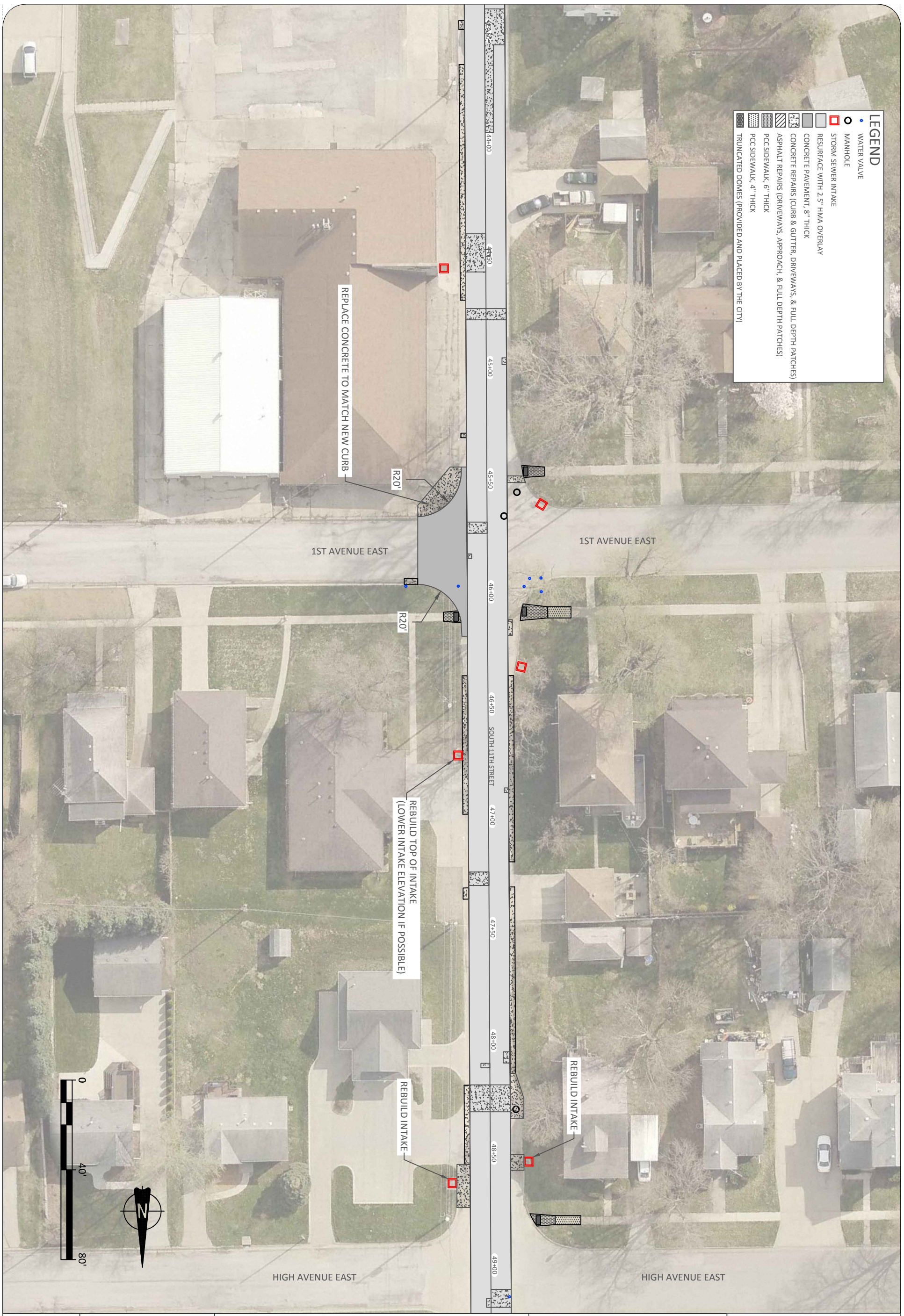
NO.	REVISION/ISSUE	DATE

SHEET TITLE:
SOUTH 11TH STREET PLAN
(STA 38+00 TO 43+50)

PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO.
B.8

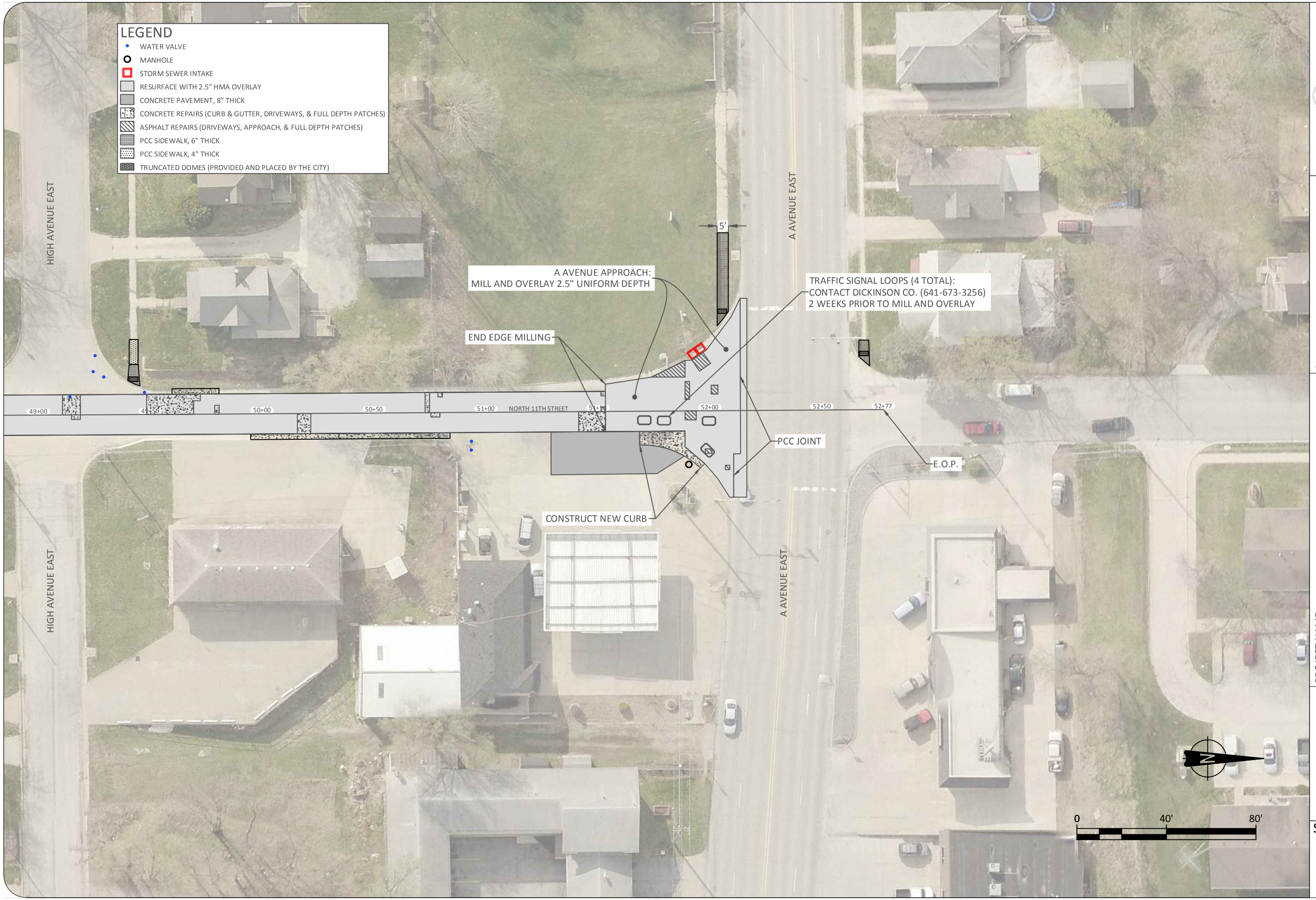


SHEET NO. B.9	DRAWN BY: NW	PROJECT NAME: SOUTH 11TH STREET PAVEMENT REHABILITATION PROJECT	SHEET TITLE: SOUTH 11TH STREET PLAN (STA 43+50 TO 49+00)
	APPROVED BY: AP		
	DATE: JULY 14, 2014		
	PROJECT NO. 2010-13		

NO.	REVISION/ISSUE	DATE

CITY of OSKALOOSA
Note the Difference™

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733



CITY OF OSKALOOSA
Note the Difference

OSKALOOSA ENGINEERING DEPT.
804 SOUTH D STREET
OSKALOOSA, IA 52577
PHONE: (641)673-7472
FAX: (641)673-3733

NO.	REVISION/ISSUE	DATE

SHEET TITLE:
SOUTH 11TH STREET PLAN
(STA 49+00 TO E.O.P.)

PROJECT NAME:
SOUTH 11TH STREET
PAVEMENT REHABILITATION PROJECT

DRAWN BY: NW
APPROVED BY: AP
DATE: JULY 14, 2014
PROJECT NO. 2010-13

SHEET NO.
B.10