

CITY OF MT. PLEASANT DIVISION OF PUBLIC WORKS

2014 NEW SIDEWALK CONSTRUCTION

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2012 STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

THE PROPOSED IMPROVEMENTS COVERED BY THESE PLANS ARE IN ACCORDANCE WITH THE AASHTO: A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 2004, & 2005 MMUTCD.

MISS DIG: CALL TOLL FREE 1-800-482-7171 MINIMUM OF THREE WORKING DAYS BEFORE STARTING THIS PROJECT, OR ANY DIGGING.

UTILITIES:
THE FOLLOWING UTILITIES ARE LOCATED IN OR NEAR THE RIGHT-OF-WAY OF THIS PROJECT.

	OWNER	CONTACT
GAS	DTE/MICHCON 609 BJORNSON BIG RAPIDS, MI 49307	LARRY BOURKE (231) 349-2364 (CELL) (231) 592-3244 (DESK)
ELECTRIC	CONSUMERS ENERGY 1325 WRIGHT AVENUE ALMA, MI 48801	RICHARD KLENDER (989) 466-4279
TELEPHONE	FRONTIER COMMUNICATION 345 PINE STREET ALMA, MI 48801	MARK MARSHALL (989) 463-0392
CABLE	CHARTER COMMUNICATION 915 E. BROOMFIELD RD. MT. PLEASANT, MI 48858	JEFF PRICE (989) 773-7090
SEWER & WATER	CITY OF MT. PLEASANT 1303 N. FRANKLIN ST. MT. PLEASANT, MI 48858	JASON MOORE (989) 779-5405

INDEX

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2. CONSTRUCTION SHEET 1
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8. SOIL EROSION AND SEDIMENTATION CONTROL KEY

THIS PROJECT IS TO BE CONSTRUCTED TO 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION



SEE CONSTRUCTION SHEET 6

SEE CONSTRUCTION SHEET 1

SEE CONSTRUCTION SHEET 2

SEE CONSTRUCTION SHEET 3

SEE CONSTRUCTION SHEET 5

SEE CONSTRUCTION SHEET 4

MAYOR
SHARON TILMANN

VICE MAYOR
JIM HOLTON

COMMISSIONERS
TONY KULICK
RICK RAUTANEN
JON JOSLIN

MATTHEW SOUS
KATHLEEN LING

INTERIM CITY MANAGER
NANCY RIDLEY
DIRECTOR OF PUBLIC WORKS
JOHN ZANG

CALL MISS DIG
BEFORE DIGGING UNDERGROUND OR WORKING NEAR OVERHEAD WIRES, CALL MISS DIG AT LEAST 3 BUSINESS DAYS IN ADVANCE OF STARTING YOUR PROJECT. (800) 482-7171
IT'S THE LAW



City of Mt. Pleasant
DIVISION OF PUBLIC WORKS
-ENGINEERING DEPARTMENT-

COVER SHEET
2014 NEW SIDEWALK CONSTRUCTION

DESIGN BY: ST	CONSTRUCTED
DRAWN BY: ST	DATE OF PLAN MARCH 2014
CHECKED BY: JM	SCALE NONE
APPROVED BY: JZ	SHEET 1 OF 8 SHEETS

REVISIONS _____ DATE/INITIALS _____

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
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PLOT DATE: _____

DRAWING PATH:

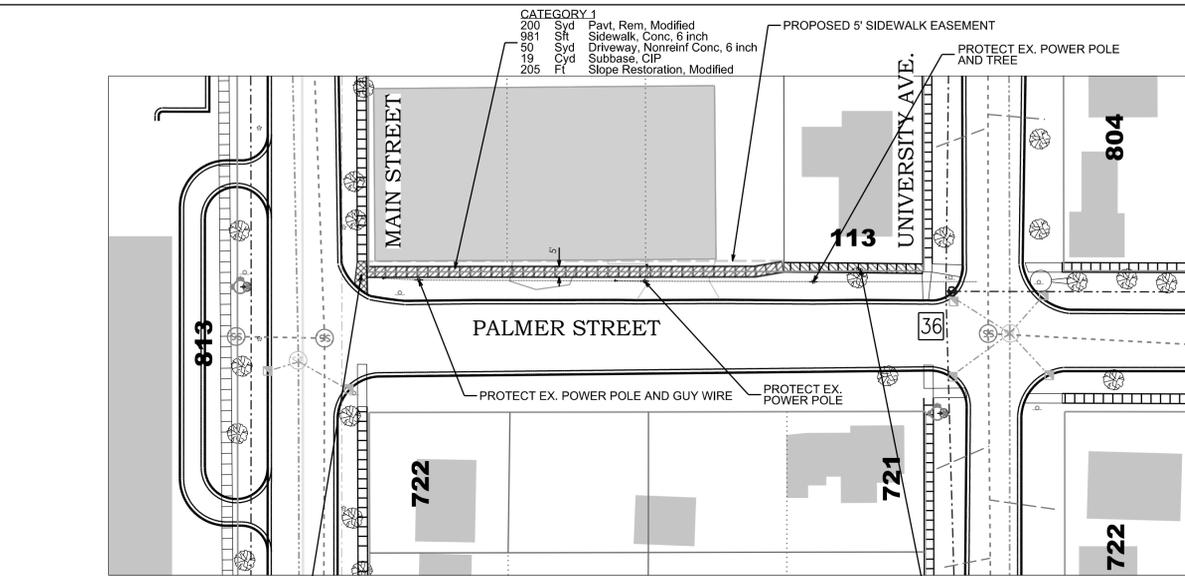
FED. ITEM NO.

FED. PROJECT:

JOB NO.:

CONTROL SECTION:

2014 NEW SIDEWALK CONSTRUCTION

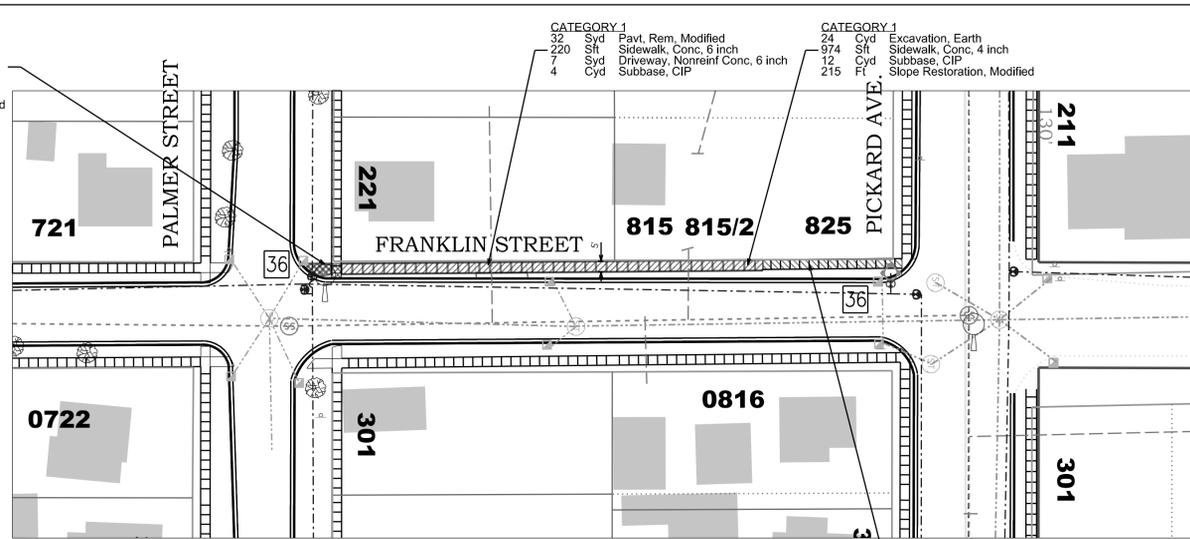


CATEGORY 1
 3 Syd Pavt. Rem, Modified
 10 Ft Curb and Gutter, Rem
 9 Syd Sidewalk, Rem
 71 Sft Sidewalk Ramp, Conc, 6 inch
 6 Ft Detectable Warning Surface, Modified
 10 Ft Curb and Gutter, Conc, Det F4, Modified
 0.4 Ton Hand Patching
 1 Cyd Subbase, CIP

PALMER FROM MAIN TO UNIVERSITY

CATEGORY 2
 33 Syd Sidewalk, Rem
 205 Sft Sidewalk, Conc, 4 inch
 125 Sft Sidewalk, Conc, 6 inch
 2 Cyd Subbase, CIP
 66 Ft Slope Restoration, Modified

CATEGORY 1
 211 Syd Pavt. Rem, Modified
 40 Cyd Excavation, Earth
 1,300 Sft Sidewalk, Conc, 6 inch
 19 Ton HMA Approach
 16 Cyd Subbase, CIP
 162 Syd Approach, CI I, 6 inch
 260 Ft Slope Restoration, Modified



CATEGORY 1
 32 Syd Pavt. Rem, Modified
 220 Sft Sidewalk, Conc, 6 inch
 7 Syd Driveway, Nonreinf Conc, 6 inch
 4 Cyd Subbase, CIP

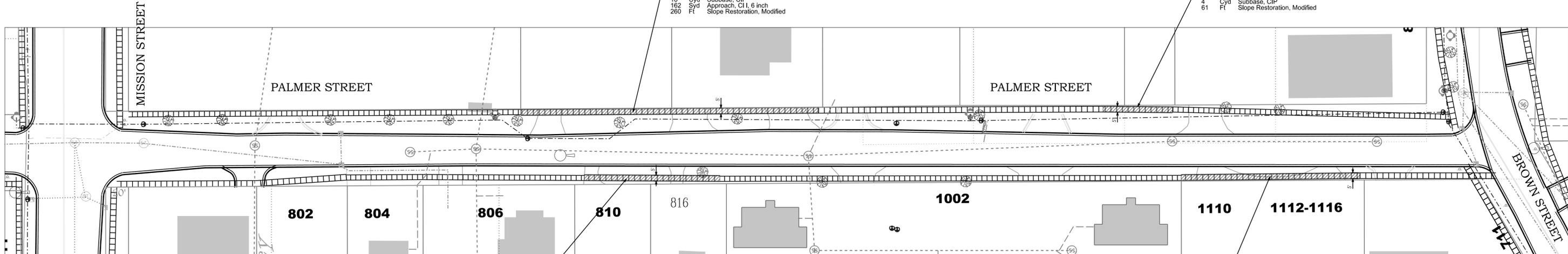
CATEGORY 1
 24 Cyd Excavation, Earth
 974 Sft Sidewalk, Conc, 4 inch
 12 Cyd Subbase, CIP
 215 Ft Slope Restoration, Modified

CATEGORY 2
 33 Syd Sidewalk, Rem
 330 Sft Sidewalk, Conc, 4 inch
 2 Cyd Subbase, CIP
 66 Ft Slope Restoration, Modified

FRANKLIN FROM PALMER TO PICKARD

CATEGORY 1
 211 Syd Pavt. Rem, Modified
 40 Cyd Excavation, Earth
 1,300 Sft Sidewalk, Conc, 6 inch
 19 Ton HMA Approach
 16 Cyd Subbase, CIP
 162 Syd Approach, CI I, 6 inch
 260 Ft Slope Restoration, Modified

CATEGORY 1
 8 Cyd Excavation, Earth
 305 Sft Sidewalk, Conc, 4 inch
 4 Cyd Subbase, CIP
 61 Ft Slope Restoration, Modified



CATEGORY 1
 36 Syd Pavt. Rem, Modified
 18 Cyd Excavation, Earth
 595 Sft Sidewalk, Conc, 6 inch
 7 Cyd Subbase, CIP
 3 Ton HMA Approach
 20 Syd Approach, CI I, 6 inch
 119 Ft Slope Restoration, Modified

PALMER FROM MISSION TO BROWN

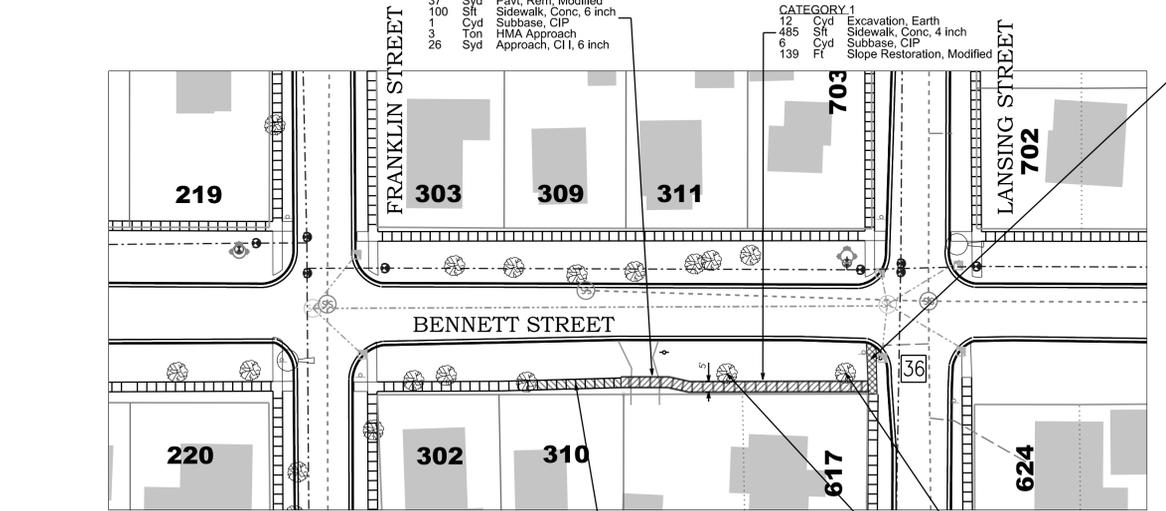
CATEGORY 1
 125 Syd Pavt. Rem, Modified
 12 Cyd Excavation, Earth
 780 Sft Sidewalk, Conc, 6 inch
 10 Cyd Subbase, CIP
 8 Ton HMA Approach
 98 Syd Approach, CI I, 6 inch
 156 Ft Slope Restoration, Modified

CATEGORY 1
 37 Syd Pavt. Rem, Modified
 100 Sft Sidewalk, Conc, 6 inch
 1 Cyd Subbase, CIP
 3 Ton HMA Approach
 26 Syd Approach, CI I, 6 inch

CATEGORY 1
 12 Cyd Excavation, Earth
 485 Sft Sidewalk, Conc, 4 inch
 6 Cyd Subbase, CIP
 139 Ft Slope Restoration, Modified

CATEGORY 1
 2 Syd Pavt. Rem, Modified
 8 Ft Curb and Gutter, Rem
 11 Syd Sidewalk, Rem
 98 Sft Sidewalk Ramp, Conc, 6 inch
 8 Ft Detectable Warning Surface, Modified
 0.4 Ton Curb and Gutter, Conc, Det F4, Modified
 2 Cyd Hand Patching
 2 Cyd Subbase, CIP

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IT'S THE LAW



CATEGORY 2
 20 Syd Sidewalk, Rem
 200 Sft Sidewalk, Conc, 6 inch
 2 Cyd Subbase, CIP
 40 Ft Slope Restoration, Modified

BENNETT FROM FRANKLIN TO LANSING

NOTES:
 1. ALL PAVEMENT, CURB AND SIDEWALK REMOVALS SHALL BE SAWCUT. PAYMENT IS INCLUDED IN REMOVAL ITEMS.
 2. MOBILIZATION, TRAFFIC CONTROL, TESTING AND ALL OTHER WORK NECESSARY TO COMPLETE THE WORK SHOWN ON THE PLANS AND SPECIFICATIONS ARE INCIDENTAL TO THE UNIT PRICE ITEMS LISTED ON THE BID PROPOSAL AND WILL NOT BE PAID FOR SEPARATELY.

PROPOSED DRIVE SURFACE TO MATCH EXISTING MATERIAL
CONCRETE:
 DRIVEWAY, NONREINF CONC, 6 INCH OVER SUBBASE, CIP (4" MIN. DEPTH)
ASPHALT:
 HMA APPROACH OVER APPROACH, CI I, 6 INCH
 HMA APPROACH - HMA, 13A AT 385 LB/SYD PLACED IN TWO COURSES FOR COMMERCIAL DRIVES AND PARKING AREAS.
 -HMA, 13A AT 220 LB/SYD PLACED IN ONE COURSE FOR RESIDENTIAL DRIVES.
AGGREGATE:
 APPROACH, CI II, 6 INCH

- LEGEND**
- WATER SERVICE
 - TREE
 - LIGHT POLE
 - TRAFFIC CONTROL SIGN
 - SANITARY SEWER MAN HOLE
 - STORM SEWER MAN HOLE
 - STORM SEWER CATCH BASIN
 - ▬ SIGN
 - ▬ POWER POLE
 - ▬ GUY WIRE
 - FIRE HYDRANT
 - LIGHT POLE
 - ▨ PROPOSED SIDEWALK - CATEGORY 1
 - ▩ REMOVE AND REPLACE SIDEWALK - CATEGORY 2
 - ▧ PROPOSED SIDEWALK RAMP
 - 36 SESC MEASURE. SEE SHEET 8.



CONSTRUCTION SHEET 1
2014 NEW SIDEWALK CONSTRUCTION

DESIGN BY: ST
 DRAWN BY: ST
 CHECKED BY: JF
 APPROVED BY: JZ

CONSTRUCTED
 DATE OF PLAN
 SCALE: 1"=40'
 SHEET 2 OF 8 SHEETS

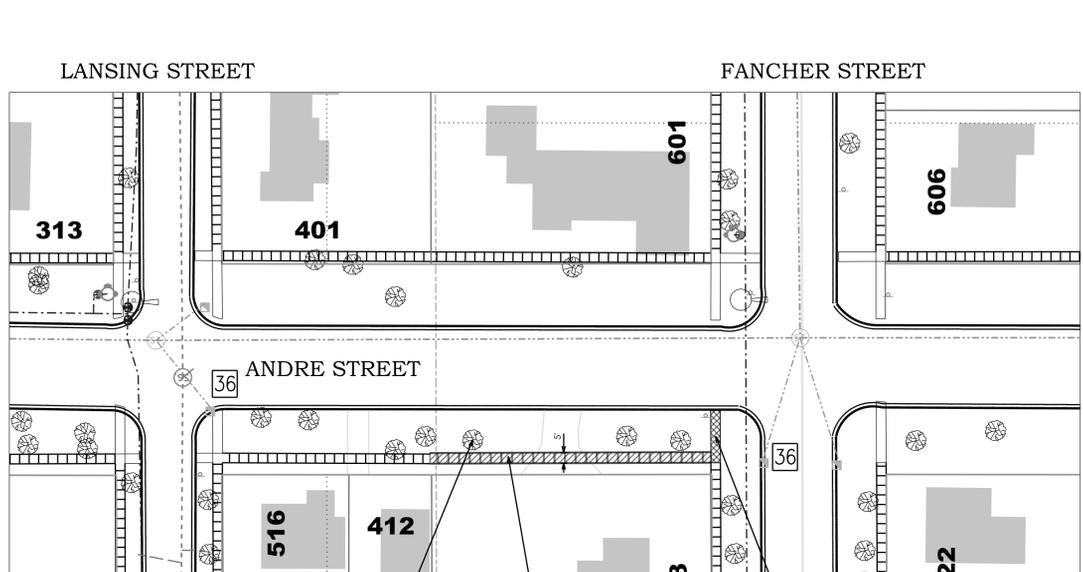
REVISIONS

NO.	DATE/INITIALS

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.

PLOT DATE: S DATES

DRAWING PATH: 2014 NEW SIDEWALK CONSTRUCTION CONTROL SECTION: JOB NO.: FED. PROJECT: FED. ITEM NO.:

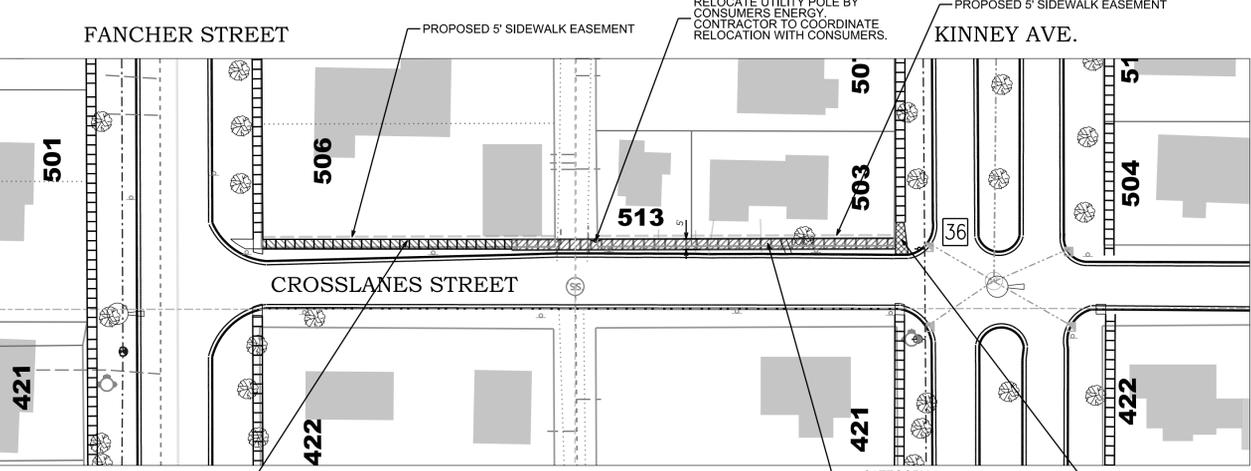


PROTECT EX. TREES (TYP)

CATEGORY 1
 56 Syd Pavt. Rem. Modified
 13 Cyd Excavation, Earth
 440 Sft Sidewalk, Conc. 4 inch
 225 Sft Sidewalk, Conc. 6 inch
 39 Syd Driveway, Nonrein Conc. 6 inch
 14 Cyd Subbase, CIP
 157 Ft Slope Restoration, Modified

CATEGORY 1
 3 Syd Pavt. Rem. Modified
 10 Ft Curb and Gutter, Rem
 13 Syd Sidewalk, Rem
 111 Sft Sidewalk Ramp, Conc. 6 inch
 6 Ft Decltable Warning Surface, Modified
 10 Ft Curb and Gutter, Conc. Det F4, Modified
 0.4 Ton Hand Patching
 2 Cyd Subbase, CIP

ANDRE FROM LANSING TO FANCHER



RELOCATE UTILITY POLE BY CONSUMERS ENERGY CONTRACTOR TO COORDINATE RELOCATION WITH CONSUMERS.

PROPOSED 5' SIDEWALK EASEMENT

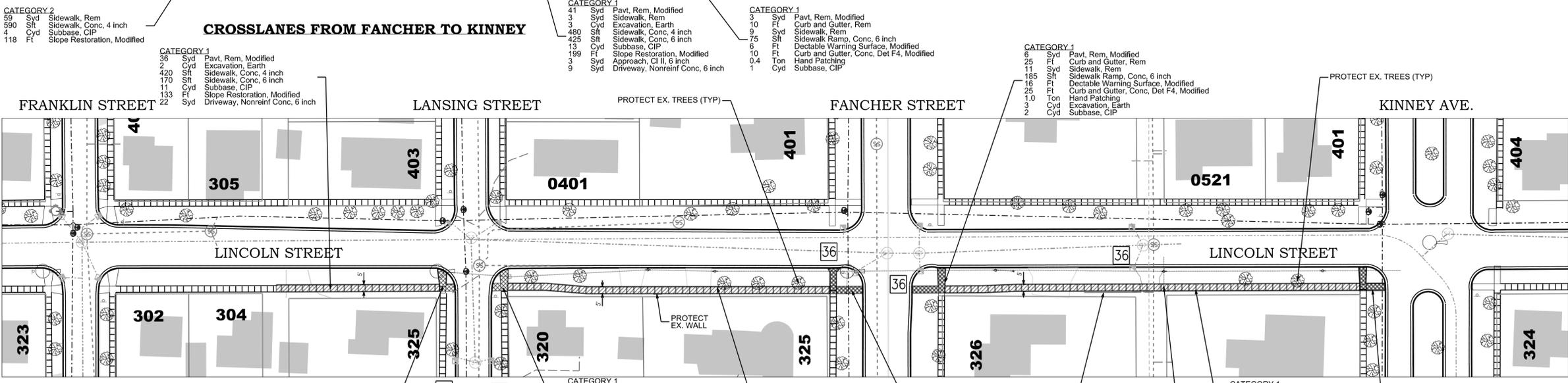
CATEGORY 2
 59 Syd Sidewalk, Rem
 590 Sft Sidewalk, Conc. 4 inch
 4 Cyd Subbase, CIP
 118 Ft Slope Restoration, Modified

CATEGORY 1
 36 Syd Pavt. Rem. Modified
 2 Cyd Excavation, Earth
 420 Sft Sidewalk, Conc. 4 inch
 170 Sft Sidewalk, Conc. 6 inch
 11 Cyd Subbase, CIP
 133 Ft Slope Restoration, Modified
 22 Syd Driveway, Nonrein Conc. 6 inch

CATEGORY 1
 41 Syd Pavt. Rem. Modified
 3 Cyd Excavation, Earth
 480 Sft Sidewalk, Conc. 4 inch
 425 Sft Sidewalk, Conc. 6 inch
 13 Cyd Subbase, CIP
 199 Ft Slope Restoration, Modified
 3 Syd Approach, CI II, 6 inch
 9 Syd Driveway, Nonrein Conc. 6 inch

CATEGORY 1
 3 Syd Pavt. Rem. Modified
 10 Ft Curb and Gutter, Rem
 9 Syd Sidewalk, Rem
 75 Sft Sidewalk Ramp, Conc. 6 inch
 6 Ft Decltable Warning Surface, Modified
 10 Ft Curb and Gutter, Conc. Det F4, Modified
 0.4 Ton Hand Patching
 1 Cyd Subbase, CIP

CROSSLANES FROM FANCHER TO KINNEY



PROTECT EX. TREES (TYP)

PROTECT EX. WALL

RELOCATE GUY WIRE. INCLUDED IN SIDEWALK ITEMS.

CATEGORY 1
 6 Syd Pavt. Rem. Modified
 25 Ft Curb and Gutter, Rem
 9 Syd Sidewalk, Rem
 109 Sft Sidewalk, Conc. 6 inch
 16 Ft Decltable Warning Surface, Modified
 25 Ft Curb and Gutter, Conc. Det F4, Modified
 1.0 Ton Hand Patching
 1 Cyd Excavation, Earth
 1 Cyd Subbase, CIP

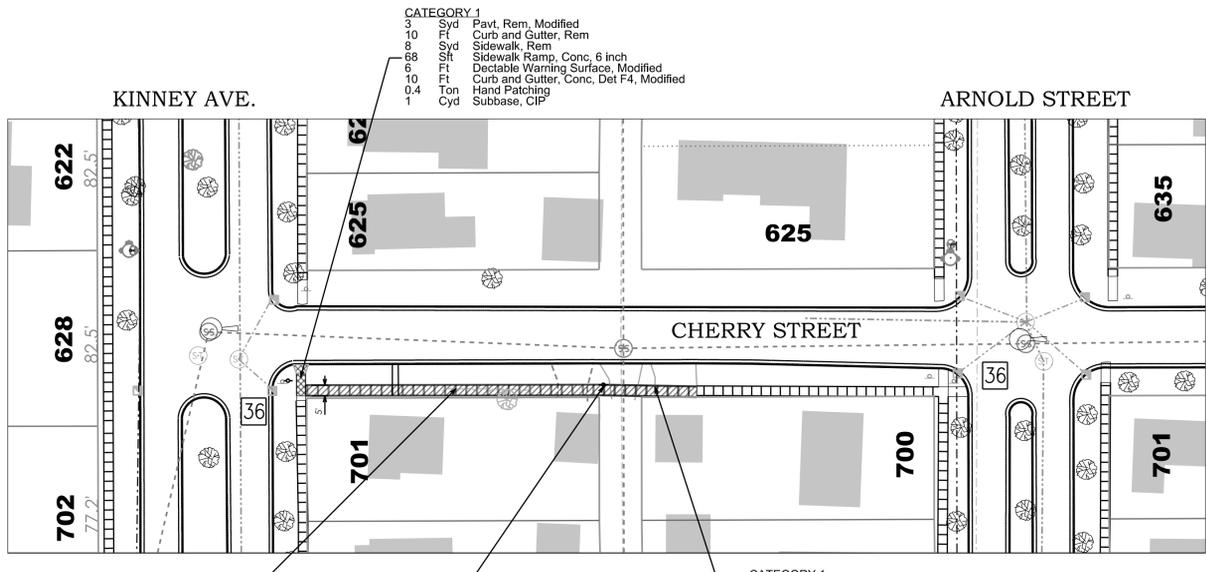
CATEGORY 1
 69 Syd Pavt. Rem. Modified
 5 Cyd Excavation, Earth
 755 Sft Sidewalk, Conc. 4 inch
 400 Sft Sidewalk, Conc. 6 inch
 21 Cyd Subbase, CIP
 270 Ft Slope Restoration, Modified
 50 Syd Driveway, Nonrein Conc. 6 inch

CATEGORY 1
 6 Syd Pavt. Rem. Modified
 25 Ft Curb and Gutter, Rem
 10 Syd Sidewalk, Rem
 181 Sft Sidewalk Ramp, Conc. 6 inch
 16 Ft Decltable Warning Surface, Modified
 1.0 Ton Hand Patching
 3 Cyd Excavation, Earth
 2 Cyd Subbase, CIP

CATEGORY 1
 66 Syd Pavt. Rem. Modified
 1165 Sft Sidewalk, Conc. 4 inch
 325 Sft Sidewalk, Conc. 6 inch
 24 Cyd Subbase, CIP
 339 Ft Slope Restoration, Modified
 40 Syd Driveway, Nonrein Conc. 6 inch
 5 Syd HMA Approach
 21 Syd Approach, CI I, 6 inch

CATEGORY 3
 6 Syd Pavt. Rem. Modified
 25 Ft Curb and Gutter, Rem
 9 Syd Sidewalk, Rem
 147 Sft Sidewalk Ramp, Conc. 6 inch
 16 Ft Decltable Warning Surface, Modified
 25 Ft Curb and Gutter, Conc. Det F4, Modified
 1.0 Ton Hand Patching (By Others - NIC)
 2 Cyd Excavation, Earth
 1 Cyd Subbase, CIP

LINCOLN FROM FRANKLIN TO KINNEY



CLEAR BUSHES AS NECESSARY. INCLUDED IN PAYMENT FOR SIDEWALK QUANTITIES.

RELOCATE UTILITY POLE BY CONSUMERS ENERGY CONTRACTOR TO COORDINATE RELOCATION WITH CONSUMERS.

CATEGORY 1
 74 Syd Pavt. Rem. Modified
 3 Syd Sidewalk, Rem
 3 Cyd Excavation, Earth
 580 Sft Sidewalk, Conc. 4 inch
 350 Sft Sidewalk, Conc. 6 inch
 12 Cyd Subbase, CIP
 198 Ft Slope Restoration, Modified
 8 Ton HMA Approach
 46 Syd Approach, CI I, 6 inch
 19 Syd Approach, CI II, 6 inch

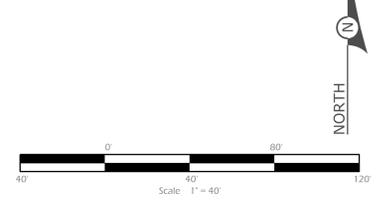
CHERRY FROM KINNEY TO ARNOLD

LEGEND

- WATER SERVICE
- TREE
- LIGHT POLE
- TRAFFIC CONTROL SIGN
- SANITARY SEWER MAN HOLE
- STORM SEWER MAN HOLE
- STORM SEWER CATCH BASIN
- SIGN
- POWER POLE
- GUY WIRE
- FIRE HYDRANT
- LIGHT POLE
- ▨ PROPOSED SIDEWALK - CATEGORY 1
- ▩ REMOVE AND REPLACE SIDEWALK - CATEGORY 2
- ▧ PROPOSED SIDEWALK RAMP
- 36 SESC MEASURE. SEE SHEET 8.

NOTES:
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IT'S THE LAW



City of Mt. Pleasant
 DIVISION OF PUBLIC WORKS
 -ENGINEERING DEPARTMENT-

CONSTRUCTION SHEET 2
2014 NEW SIDEWALK CONSTRUCTION

DESIGN BY: ST
 DRAWN BY: ST
 CHECKED BY: JF
 APPROVED BY: JZ

CONSTRUCTED _____
 DATE OF PLAN _____
 SCALE: 1"=40'
 SHEET 3 OF 8 SHEETS

REVISIONS	DATE/INITIALS

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.

PLOT DATE: SDATES

DRAWING PATH:

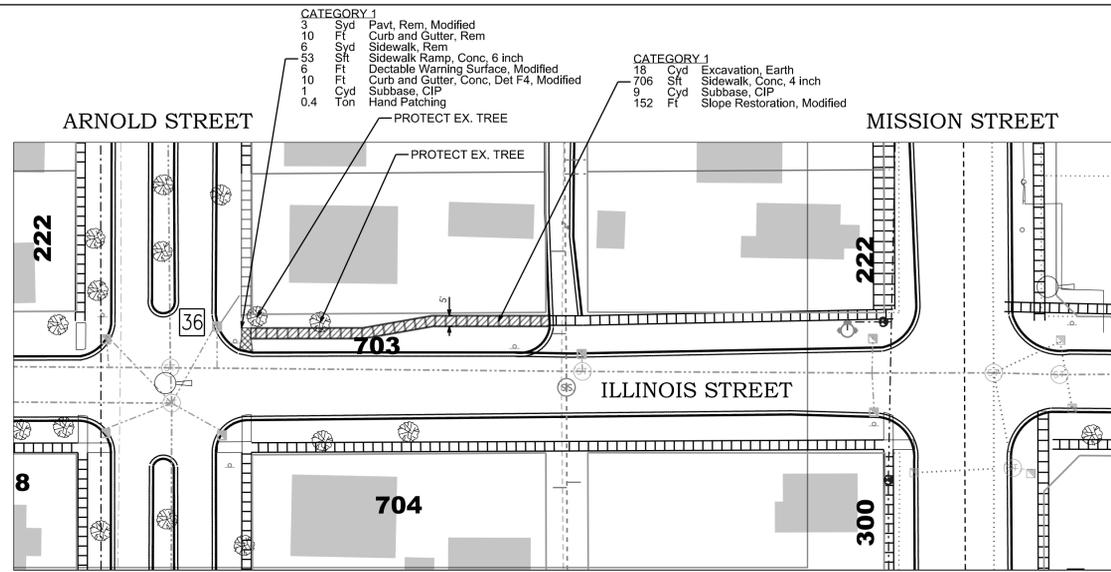
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JOB PROJECT:

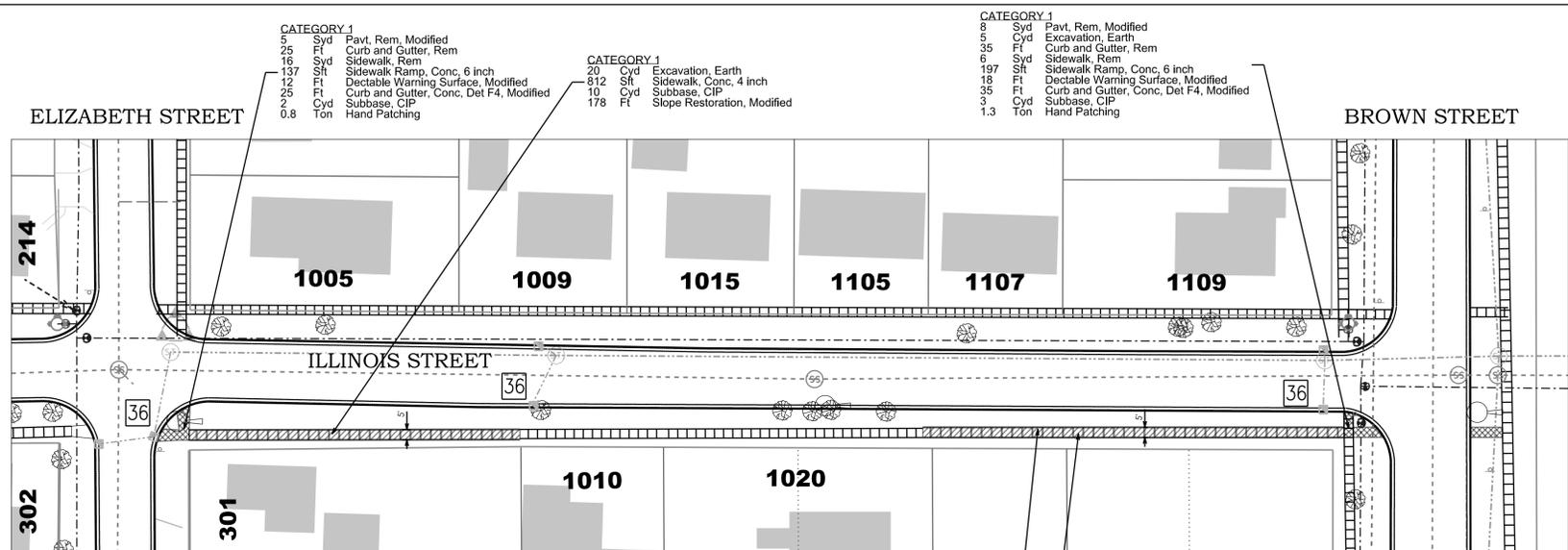
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CONTROL SECTION:

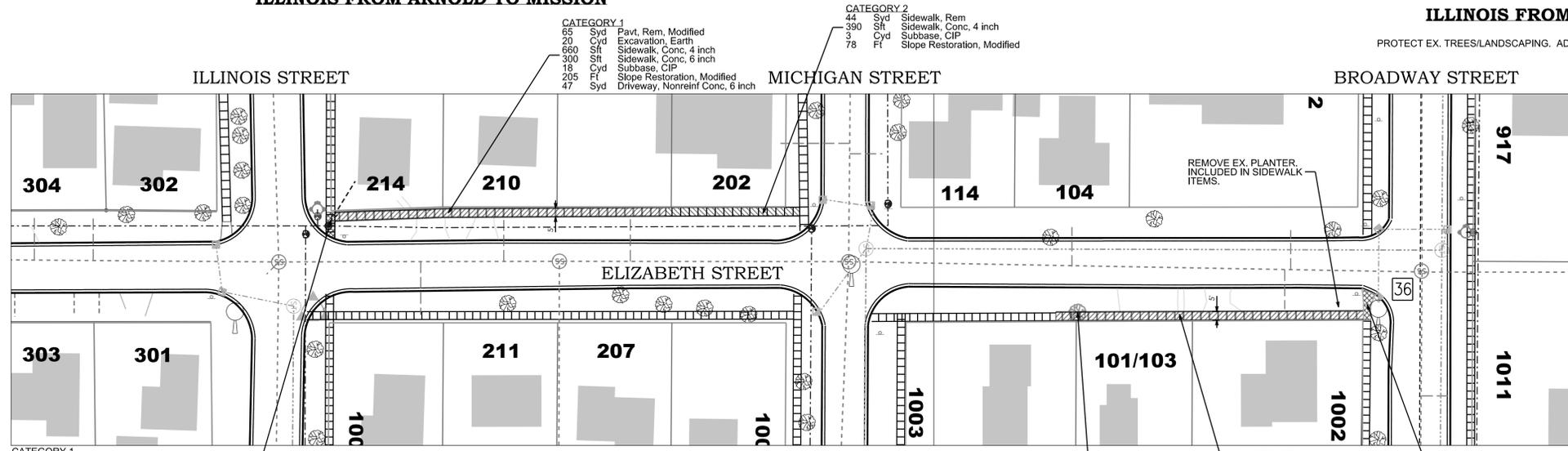
2014 NEW SIDEWALK CONSTRUCTION



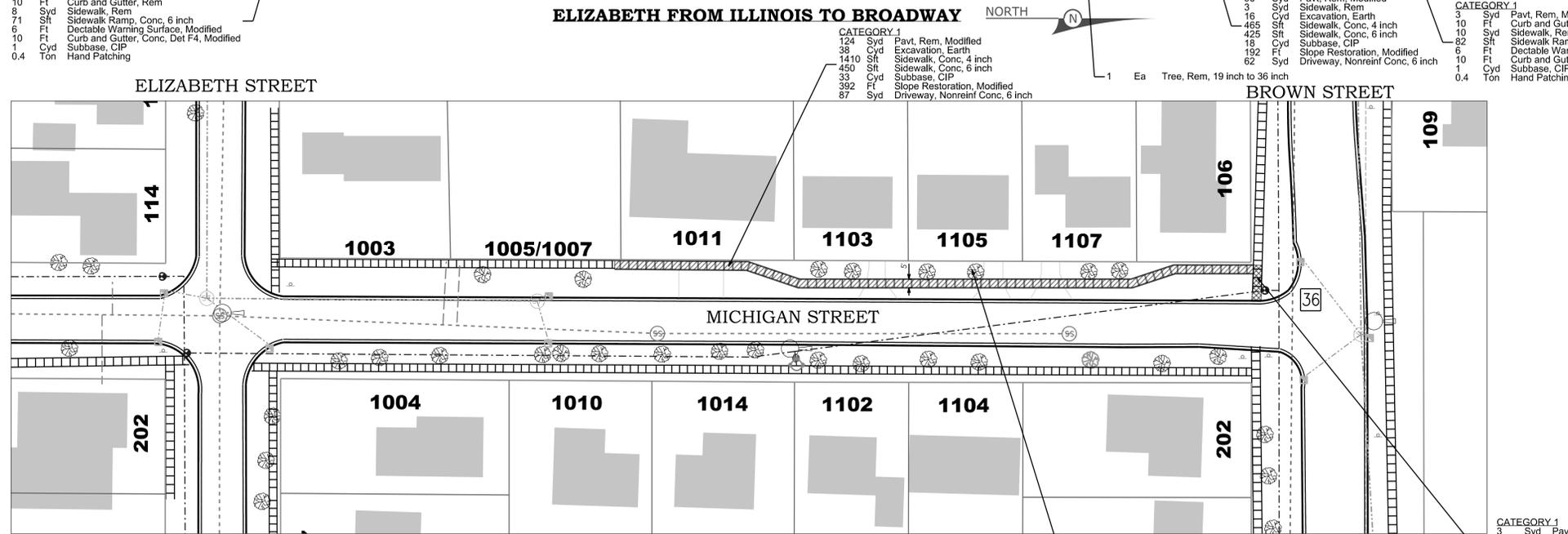
ILLINOIS FROM ARNOLD TO MISSION



ILLINOIS FROM ELIZABETH TO BROWN



ILLINOIS FROM MICHIGAN TO BROADWAY



MICHIGAN FROM ELIZABETH TO BROWN

LEGEND

- WATER SERVICE
- TREE
- LIGHT POLE
- ⊕ TRAFFIC CONTROL SIGN
- ⊕ SANITARY SEWER MAN HOLE
- ⊕ STORM SEWER MAN HOLE
- ⊕ STORM SEWER CATCH BASIN
- ⊕ SIGN
- ⊕ POWER POLE
- ⊕ GUY WIRE
- ⊕ FIRE HYDRANT
- LIGHT POLE
- ▨ PROPOSED SIDEWALK - CATEGORY 1
- ▨ REMOVE AND REPLACE SIDEWALK - CATEGORY 2
- ▨ PROPOSED SIDEWALK RAMP
- 36 SESC MEASURE. SEE SHEET 8.

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IT'S THE LAW



**CONSTRUCTION SHEET 3
 2014 NEW SIDEWALK CONSTRUCTION**

DESIGN BY: ST	CONSTRUCTED
DRAWN BY: ST	DATE OF PLAN
CHECKED BY: JF	SCALE
APPROVED BY: JZ	SHEET 4 OF 8 SHEETS
REVISIONS	
DATE/INITIALS	

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
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PLOT DATE: \$DATES

DRAWING PATH: FED. PROJECT: FED. ITEM NO.: CONTROL SECTION: 2014 NEW SIDEWALK CONSTRUCTION

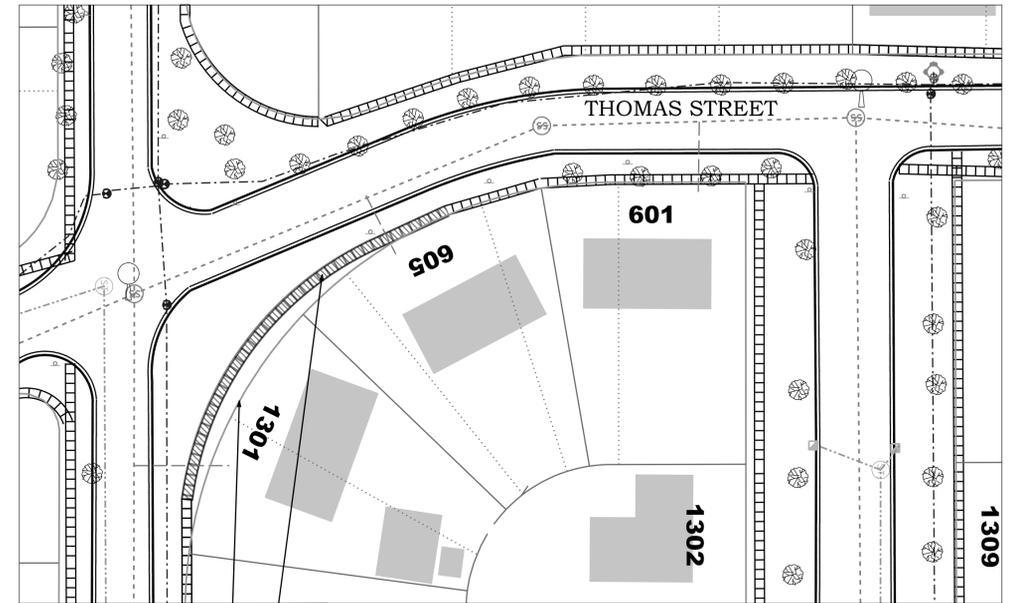
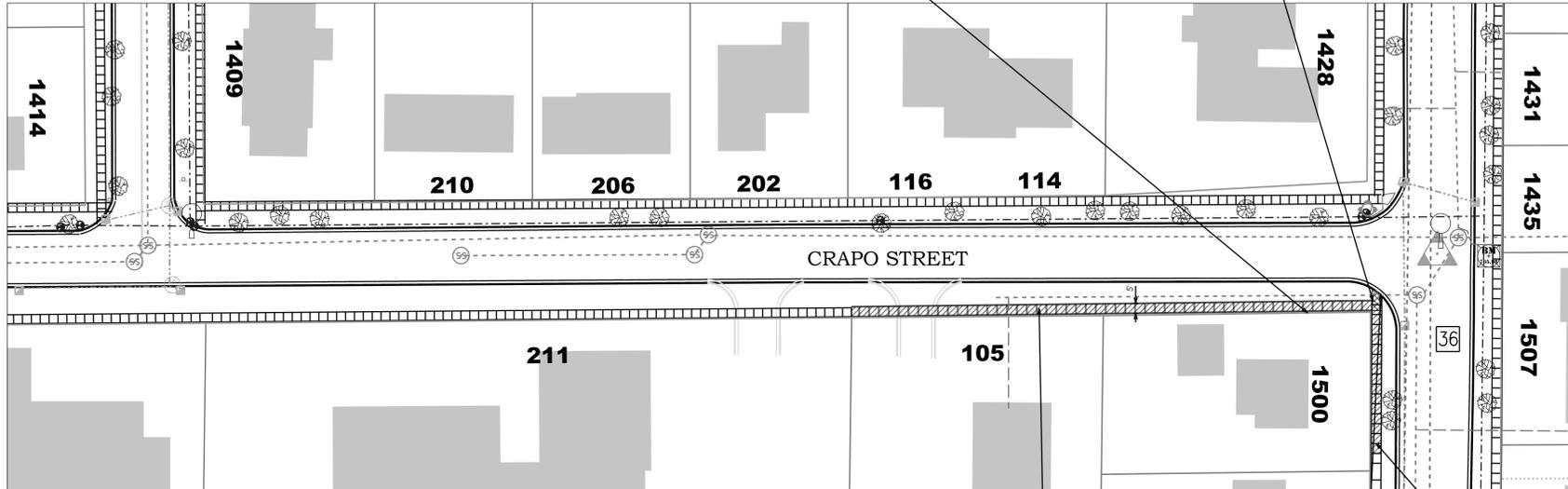
ILLINOIS STREET

PROTECT EX. TREES. ADJUST SIDEWALK LOCATION IN FIELD TO PROTECT TREES AS NECESSARY.

CATEGORY 1
 3 Syd Pavt, Rem, Modified
 10 Ft Curb and Gutter, Rem
 6 Syd Sidewalk, Rem
 46 Sft Sidewalk Ramp, Conc, 6 inch
 6 Ft Decable Warning Surface, Modified
 10 Ft Curb and Gutter, Conc, Det F4, Modified
 1 Ctd Subbase, CIP
 0.4 Ton Hand Patching

BROADWAY STREET

MAPLE STREET



CRAFO FROM ILLINOIS TO BROADWAY

CATEGORY 1
 11 Ctd Excavation, Earth
 430 Sft Sidewalk, Conc, 4 inch
 6 Ctd Subbase, CIP
 86 Ft Slope Restoration, Modified

CATEGORY 1
 74 Syd Pavt, Rem, Modified
 19 Ctd Excavation, Earth
 615 Sft Sidewalk, Conc, 4 inch
 375 Sft Sidewalk, Conc, 6 inch
 19 Ctd Subbase, CIP
 198 Ft Slope Restoration, Modified
 49 Syd Driveway, Nonreinf Conc, 6 inch

CATEGORY 1
 79 Syd Pavt, Rem, Modified
 59 Ft Curb and Gutter, Rem
 25 Ctd Excavation, Earth
 59 Ft Curb and Gutter, Conc, Det F4, Modified
 1020 Sft Sidewalk, Conc, 4 inch
 300 Sft Sidewalk, Conc, 6 inch
 19 Ctd Subbase, CIP
 274 Ft Slope Restoration, Modified
 25 Syd Driveway, Nonreinf Conc, 6 inch
 6 Ton HMA Approach
 44 Syd Approach, CI 1, 6 inch
 RELOCATE EX. SIGN. INCLUDED IN SIDEWALK ITEMS.

CATEGORY 1
 40 Syd Sidewalk, Rem
 360 Sft Sidewalk, Conc, 4 inch
 3 Ctd Subbase, CIP
 72 Ft Slope Restoration, Modified

PROTECT EX. TREES. ADJUST SIDEWALK LOCATION IN FIELD TO PROTECT TREES AS NECESSARY.

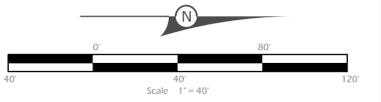
THOMAS FROM MAPLE TO S. DRIVE

CATEGORY 1
 24 Ctd Excavation, Earth
 965 Sft Sidewalk, Conc, 4 inch
 12 Ctd Subbase, CIP
 193 Ft Slope Restoration, Modified

LEGEND

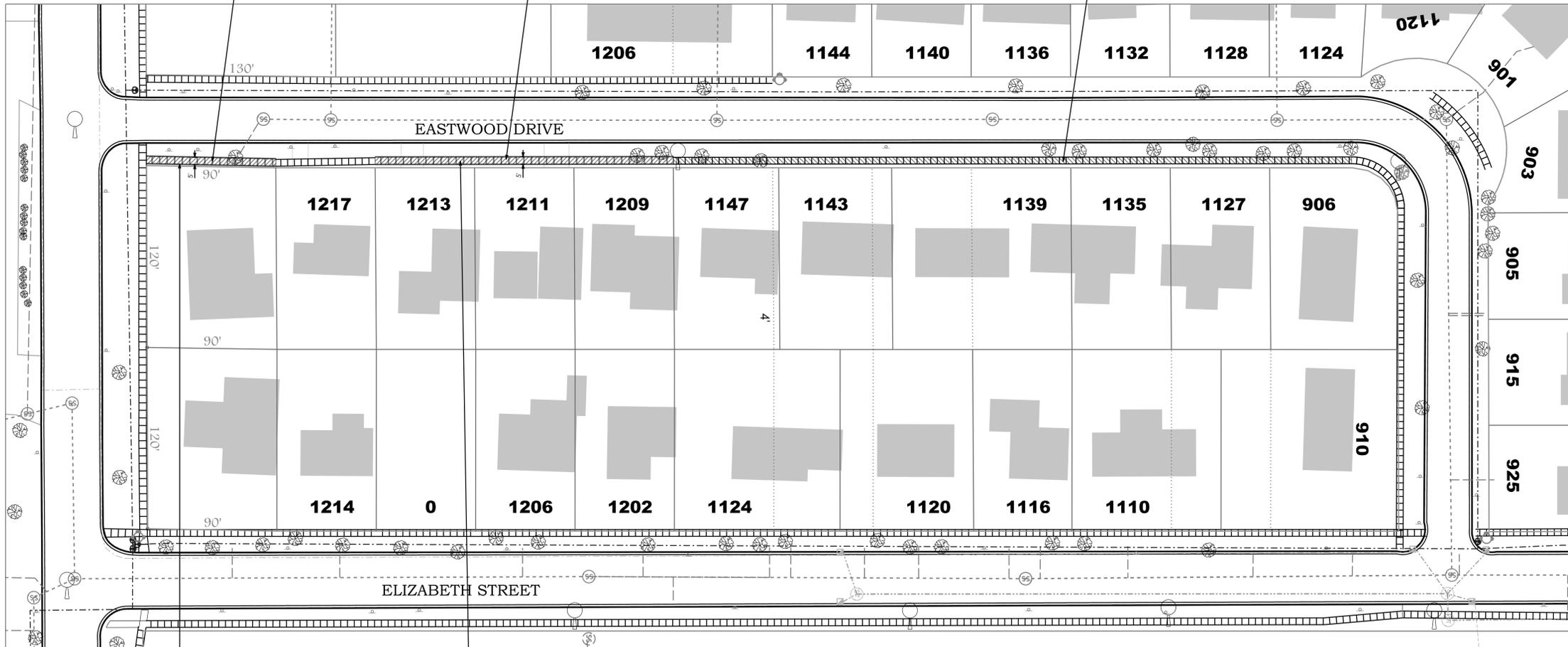
- WATER SERVICE
- TREE
- LIGHT POLE
- ⊕ TRAFFIC CONTROL SIGN
- ⊕ SANITARY SEWER MAN HOLE
- ⊕ STORM SEWER MAN HOLE
- ⊕ STORM SEWER CATCH BASIN
- ⊕ SIGN
- ⊕ POWER POLE
- ⊕ GUY WIRE
- ⊕ FIRE HYDRANT
- LIGHT POLE
- ▨ PROPOSED SIDEWALK - CATEGORY 1
- ▨ REMOVE AND REPLACE SIDEWALK - CATEGORY 2
- ▨ PROPOSED SIDEWALK RAMP
- 36 SESC MEASURE. SEE SHEET 8.

NOTES:
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PRESTON AVE.

EASTWOOD/DRIVE



EASTWOOD FROM PRESTON TO ELIZABETH

PROTECT EX. TREES. ADJUST SIDEWALK LOCATION IN FIELD AS NECESSARY TO PROTECT TREES.

PROTECT EX. TREES. ADJUST SIDEWALK LOCATION IN FIELD AS NECESSARY TO PROTECT TREES.

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 IT'S THE LAW



City of Mt. Pleasant
 DIVISION OF PUBLIC WORKS
 -ENGINEERING DEPARTMENT-

CONSTRUCTION SHEET 4
 2014 NEW SIDEWALK CONSTRUCTION

DESIGN BY: ST
 DRAWN BY: ST
 CHECKED BY: JF
 APPROVED BY: JZ

CONSTRUCTED DATE OF PLAN
 SCALE: 1"=40'
 SHEET 5 OF 8 SHEETS

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
PLOT DATE: SDATES			

DRAWING PATH:

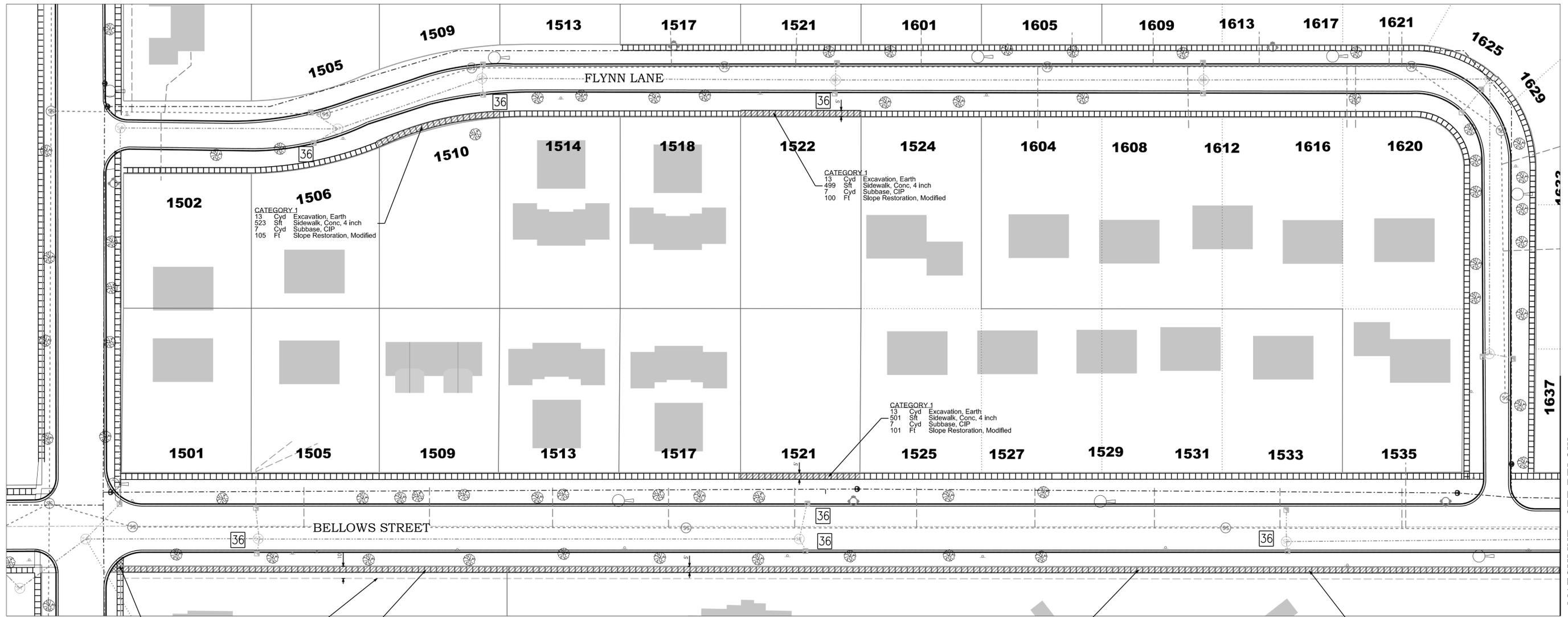
FED. PROJECT:

FED. ITEM NO.:

CONTROL SECTION:

JOB NO.:

2014 NEW SIDEWALK CONSTRUCTION



FLYNN FROM CRAPO TO BELLOWS AND BELLOWS FROM CRAPO TO SWEENEY

PROPOSED 10' SIDEWALK EASEMENT
 PROTECT EX. TREES. ADJUST SIDEWALK LOCATION IN FIELD AS NECESSARY TO PROTECT TREES.

PROTECT EX. TREES. ADJUST SIDEWALK LOCATION IN FIELD AS NECESSARY TO PROTECT TREES.

- CATEGORY 1**
- 2 Syd Pavt. Rem. Modified
 - 20 Ft Curb and Gutter, Rem
 - 6 Syd Sidewalk, Rem
 - 75 Sft Sidewalk Ramp, Conc. 6 inch
 - 16 Ft Dectable Warning Surface, Modified
 - 20 Ft Curb and Gutter, Conc. Det F4, Modified
 - 1 Syd Subbase, CIP
 - 0.8 Ton Hand Patching

- CATEGORY 1**
- 13 Syd Excavation, Earth
 - 499 Sft Sidewalk, Conc. 4 inch
 - 7 Syd Subbase, CIP
 - 100 Ft Slope Restoration, Modified

- CATEGORY 1**
- 13 Syd Excavation, Earth
 - 501 Sft Sidewalk, Conc. 4 inch
 - 7 Syd Subbase, CIP
 - 101 Ft Slope Restoration, Modified

- CATEGORY 1**
- 157 Syd Excavation, Earth
 - 6355 Sft Sidewalk, Conc. 4 inch
 - 79 Syd Subbase, CIP
 - 1280 Ft Slope Restoration, Modified

LEGEND

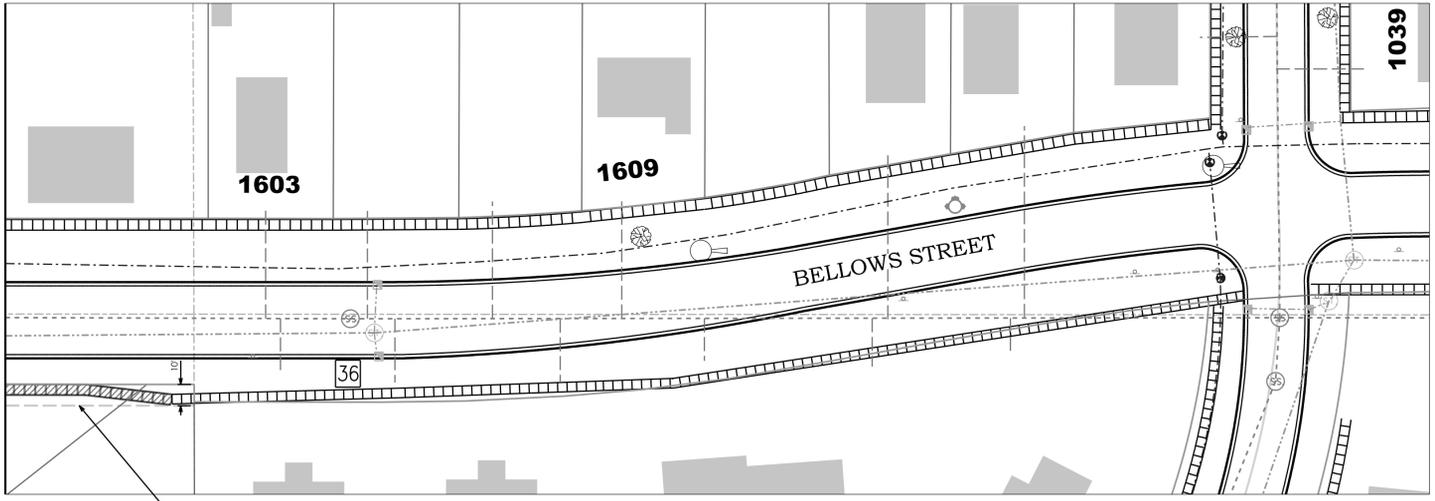
- WATER SERVICE
- TREE
- LIGHT POLE
- TRAFFIC CONTROL SIGN
- SANITARY SEWER MAN HOLE
- STORM SEWER MAN HOLE
- STORM SEWER CATCH BASIN
- ▶ SIGN
- ⚡ POWER POLE
- GUY WIRE
- FIRE HYDRANT
- LIGHT POLE

- ▨ PROPOSED SIDEWALK - CATEGORY 1
- ▨ REMOVE AND REPLACE SIDEWALK - CATEGORY 2
- ▨ PROPOSED SIDEWALK RAMP
- 36 SESC MEASURE. SEE SHEET 8.

NOTES:
 1. ALL PAVEMENT, CURB AND SIDEWALK REMOVALS SHALL BE SAWCUT. PAYMENT IS INCLUDED IN REMOVAL ITEMS.
 2. MOBILIZATION, TRAFFIC CONTROL, TESTING AND ALL OTHER WORK NECESSARY TO COMPLETE THE WORK SHOWN ON THE PLANS AND SPECIFICATIONS ARE INCIDENTAL TO THE UNIT PRICE ITEMS LISTED ON THE BID PROPOSAL AND WILL NOT BE PAID FOR SEPARATELY.

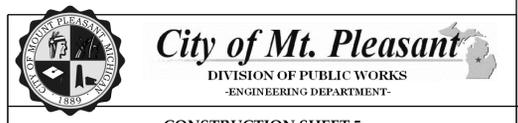


MATCHLINE - SEE ABOVE



PROPOSED 10' SIDEWALK EASEMENT

CALL MISS DIG
 BEFORE DIGGING UNDERGROUND OR WORKING NEAR OVERHEAD WIRES. CALL MISS DIG AT LEAST 3 BUSINESS DAYS IN ADVANCE OF STARTING YOUR PROJECT. (800) 482-7171
IT'S THE LAW



CONSTRUCTION SHEET 5
2014 NEW SIDEWALK CONSTRUCTION

DESIGN BY: SAT
 DRAWN BY: SAT
 CHECKED BY: JF
 APPROVED BY: JZ

CONSTRUCTED _____
 DATE OF PLAN _____
 SCALE: 1"=40'
 SHEET 6 OF 8 SHEETS

REVISIONS	DATE/INITIALS

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
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PLOT DATE: S DATES

DRAWING PATH:

FED. PROJECT:

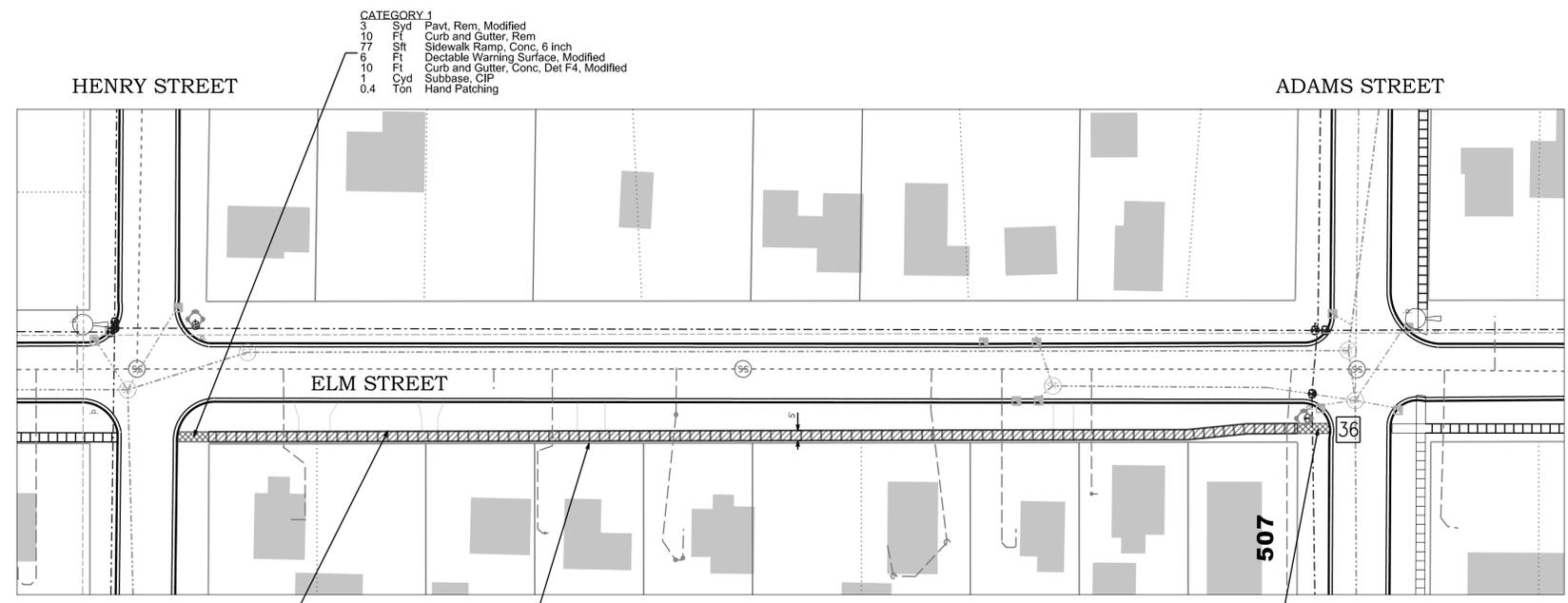
FED. ITEM NO.:

JOB NO.:

CONTROL SECTION:

2014 NEW SIDEWALK CONSTRUCTION

MATCHLINE - SEE BELOW



- CATEGORY 1**
- 3 Syd Pavt, Rem, Modified
 - 10 Ft Curb and Gutter, Rem
 - 77 Sft Sidewalk Ramp, Conc, 6 inch
 - 6 Ft Delectable Warning Surface, Modified
 - 10 Ft Curb and Gutter, Conc, Det F4, Modified
 - 1 Cyd Subbase, CIP
 - 0.4 Ton Hand Patching

ELM FROM HENRY TO ADAMS

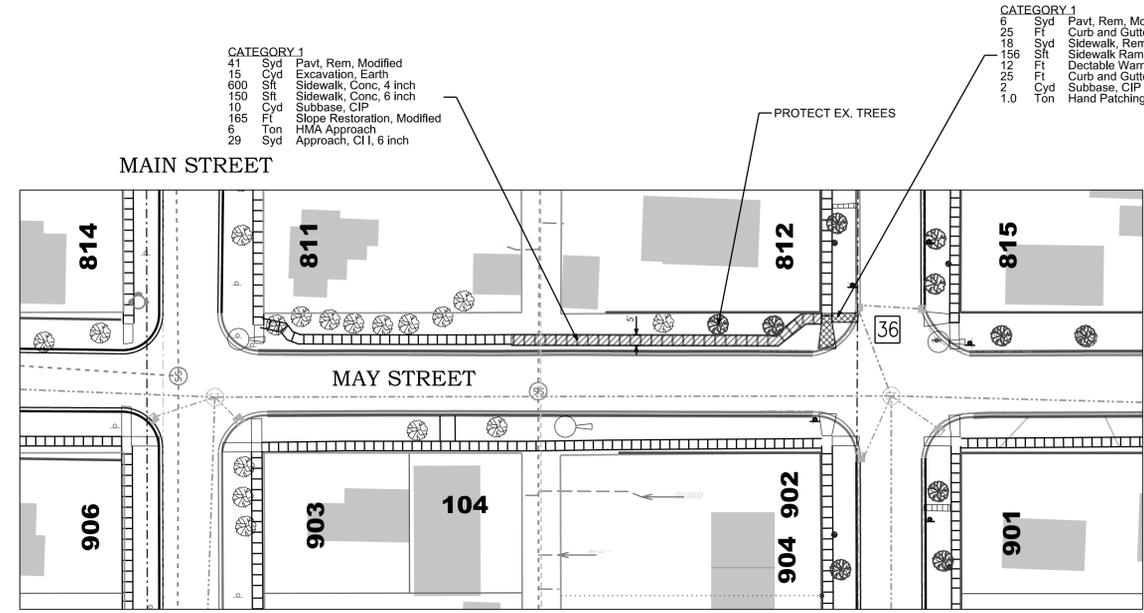
- CATEGORY 1**
- 242 Syd Pavt, Rem, Modified
 - 52 Cyd Excavation, Earth
 - 1700 Sft Sidewalk, Conc, 4 inch
 - 1000 Sft Sidewalk, Conc, 6 inch
 - 54 Cyd Subbase, CIP
 - 571 Ft Slope Restoration, Modified
 - 175 Syd Driveway, Nonreinf Conc, 6 inch

PROTECT EX. TREES. ADJUST SIDEWALK IN THE FIELD AS NECESSARY TO PROTECT TREES.

- CATEGORY 1**
- 3 Syd Pavt, Rem, Modified
 - 10 Ft Curb and Gutter, Rem
 - 80 Sft Sidewalk Ramp, Conc, 6 inch
 - 6 Ft Delectable Warning Surface, Modified
 - 10 Ft Curb and Gutter, Conc, Det F4, Modified
 - 1 Cyd Subbase, CIP
 - 0.4 Ton Hand Patching

NOTES:

1. ALL PAVEMENT, CURB AND SIDEWALK REMOVALS SHALL BE SAWCUT. PAYMENT IS INCLUDED IN REMOVAL ITEMS.
2. MOBILIZATION, TRAFFIC CONTROL, TESTING AND ALL OTHER WORK NECESSARY TO COMPLETE THE WORK SHOWN ON THE PLANS AND SPECIFICATIONS ARE INCIDENTAL TO THE UNIT PRICE ITEMS LISTED ON THE BID PROPOSAL AND WILL NOT BE PAID FOR SEPARATELY.



- CATEGORY 1**
- 41 Syd Pavt, Rem, Modified
 - 15 Cyd Excavation, Earth
 - 600 Sft Sidewalk, Conc, 4 inch
 - 150 Sft Sidewalk, Conc, 6 inch
 - 10 Cyd Subbase, CIP
 - 165 Ft Slope Restoration, Modified
 - 6 Ton HMA Approach
 - 29 Syd Approach, C11, 6 inch

PROTECT EX. TREES

- CATEGORY 1**
- 6 Syd Pavt, Rem, Modified
 - 25 Ft Curb and Gutter, Rem
 - 18 Syd Sidewalk, Rem
 - 156 Sft Sidewalk Ramp, Conc, 6 inch
 - 12 Ft Delectable Warning Surface, Modified
 - 25 Ft Curb and Gutter, Conc, Det F4, Modified
 - 2 Cyd Subbase, CIP
 - 1.0 Ton Hand Patching

CATEGORY 3 - SIDEWALK RAMPS

PROJECT INCLUDES 98 SIDEWALK RAMP RECONSTRUCTS AT THE FOLLOWING LOCATIONS:

- FRANKLIN FROM LINCOLN TO ANDRE
- BRUCE FROM HENRY TO HARRIS
- COOLEY FROM BOADWAY TO DEAD END
- PENNSYLVANIA FROM HENRY TO HARRIS
- ROBERTS FROM HENRY TO HARRIS
- KINNEY FROM ANDRE TO HIGH
- GLEN FROM PRESTON TO CRESCENT
- SANSOTE FROM MAY TO DEAD END

QUANTITIES:

- 218 Syd Pavt, Rem, Modified
- 980 Ft Curb and Gutter, Rem
- 654 Syd Sidewalk, Rem
- 5880 Sft Sidewalk Ramp, Conc, 6 inch
- 588 Ft Delectable Warning Surface, Modified
- 980 Ft Curb and Gutter, Conc, Det F4, Modified
- 73 Cyd Subbase, CIP
- 40 Ton Hand Patching (By Others - NIC)
- 980 Ft Slope Restoration, Modified
- 32 Ea Erosion Control, Inlet Protection, Fabric Drop

CALL MISS DIG

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IT'S THE LAW



CONSTRUCTION SHEET 6
2014 NEW SIDEWALK CONSTRUCTION

DESIGN BY: SAT	CONSTRUCTED
DRAWN BY: SAT	DATE OF PLAN
CHECKED BY: JF	SCALE: 1"=40'
APPROVED BY: JZ	SHEET 7 OF 8 SHEETS

REVISIONS _____ DATE/INITIALS _____

CONTROL SECT.	JOB NO.	FED. PROJECT	FED. ITEM NO.
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PLOT DATE: S DATES

DRAWING PATH:

FED. ITEM NO.

FED. PROJECT:

JOB NO.:

CONTROL SECTION:

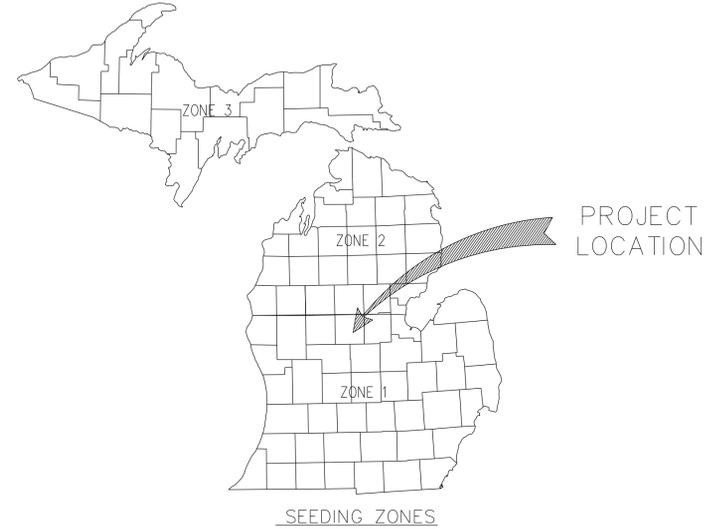
2014 NEW SIDEWALK CONSTRUCTION

MICHIGAN UNIFIED KEYING SYSTEM

SOIL EROSION SEDIMENTATION CONTROL MEASURES

* INDICATES APPLICABILITY OF A SPECIFIC CONTROL MEASURE TO ONE OR MORE OF THE SEVEN PROBLEM AREAS

KEY	DETAIL	CHARACTERISTICS	SLOPES AND STREAMS AND WATERWAYS							KEY	DETAIL	CHARACTERISTICS	SLOPES AND STREAMS AND WATERWAYS							
			A	B	C	D	E	F	G				A	B	C	D	E	F	G	
1	STRIPPING & STOCKPILING TOPSOIL	TOPSOIL MAY BE STOCKPILED ABOVE BORROW AREAS TO ACT AS A DIVERSION. STOCKPILE SHOULD BE TEMPORARILY SEEDED.	*				*	*		28	DROP SPILLWAY	SLOWS VELOCITY OF FLOW, REDUCING EROSION CAPACITY		*	*					
2	SELECTIVE GRADING & SHAPING	WATER CAN BE DIVERTED TO MINIMIZE EROSION. FLATTER SLOPES EASE EROSION PROBLEMS.	*				*	*		29	PIPE DROP	REDUCES RUNOFF VELOCITY. REMOVES SEDIMENT AND TURBIDITY. CAN BE DESIGNED TO HANDLE LARGE VOLUMES OF FLOW.			*	*				
3	GRUBBING OMITTED	SAVES COST OF GRUBBING, PROVIDES NEW SPOILS, RETAINS EXISTING ROOT MAT SYSTEM, REDUCES AND FALL AT NEW FOREST EDGE. DISCOURAGES EQUIPMENT ENTRANCE.	*				*	*		30	PIPE SPILLWAY	REMOVES SEDIMENT AND TURBIDITY FROM RUNOFF. MAY BE PART OF PERMANENT EROSION CONTROL PLAN.			*	*				
4	VEGETATIVE STABILIZATION	MAY UTILIZE A VARIETY OF PLANT MATERIAL. STABILIZES SOIL. SLOWS RUNOFF VELOCITY. FILTERS SEDIMENT FROM RUNOFF.	*	*	*		*	*		31	ENERGY DISSIPATER	SLOWS RUNOFF VELOCITY TO NON-EROSIVE LEVEL. PERMITS SEDIMENT COLLECTION FROM RUNOFF.	*		*	*				
5	SEEDING	INEXPENSIVE AND VERY EFFECTIVE. STABILIZES SOIL. THIS WAKING EROSION. PERMITS RUNOFF TO INFILTRATE SOIL, REDUCING RUNOFF VOLUME. SHOULD INCLUDE PREPARED TOPSOIL BED.	*		*		*	*		32	LEVEL SPREADER	CONVERTS COLLECTED CHANNEL OR PIPE FLOW BACK TO SHEET FLOW. AVOIDS CHANNEL EROSIONS AND CONSTRUCTION OF PROJECT SITE. SIMPLE TO CONSTRUCT.			*	*				
6	SEEDING WITH MULCH AND/OR MATTING	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER. EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY. EASY TO PLACE. MAY BE REPAIRED IF DAMAGED. SHOULD INCLUDE PREPARED TOPSOIL BED.	*		*		*	*		33	SEDIMENTATION TRAP	MAY BE CONSTRUCTED OF A VARIETY OF MATERIALS. TRAPS SEDIMENT AND REDUCES VELOCITY OF FLOW. CAN BE CLEANED AND EXPANDED AS NEEDED.		*	*					
7	HYDRO-SEEDING	EFFECTIVE ON LARGE AREAS. MULCH TRADING AGENT USED TO PROVIDE IMMEDIATE PROTECTION UNTIL GRASS IS ROOTED. SHOULD INCLUDE PREPARED TOPSOIL BED.	*				*	*		34	SEDIMENT BASIN	TRAPS SEDIMENT. RELEASES RUNOFF AT NON-EROSIVE RATES. CONTROLS RUNOFF AT SYSTEM OUTLETS. CAN BE USED AS NECESSARY TO COLLECT SEDIMENT.		*	*	*				
8	SODDING	PROVIDES IMMEDIATE PROTECTION. CAN BE USED ON STEEP SLOPES WHERE SEED MAY BE DIFFICULT TO ESTABLISH. EASY TO PLACE. MAY BE REPAIRED IF DAMAGED. SHOULD INCLUDE PREPARED TOPSOIL BED.	*		*		*	*		35	STORM SEWER	SYSTEM REMOVES COLLECTED RUNOFF FROM SITE, PARTICULARLY FROM PAVED AREAS. CAN ACCEPT LARGE CONCENTRATIONS OF RUNOFF. CONDUCTS RUNOFF TO MAINLINE SEWER SYSTEM OR STABILIZED OUTFALL LOCATION. USE CATCH BASINS TO COLLECT SEDIMENT.					*		*	
9	VEGETATIVE BUFFER STRIP	SLOWS RUNOFF VELOCITY. FILTERS SEDIMENT FROM RUNOFF. REDUCES VOLUME OF RUNOFF ON SLOPES.	*	*				*		36	CATCH BASIN, DRAIN INLET	COLLECTS HIGH VELOCITY CONCENTRATED RUNOFF. MAY USE FILTER CLOTH OVER INLET.					*		*	
10	MULCHING	USED ALONE TO PROTECT EXPOSED AREAS FOR SHORT PERIODS. PROTECTS SOIL FROM IMPACT OF FALLING RAIN. PRESERVES SOIL MOISTURE AND PROTECTS GERMINATING SEED FROM TEMPERATURE EXTREMES.	*				*	*		37	SOD FILTER	INEXPENSIVE AND EASY TO CONSTRUCT. PROVIDES IMMEDIATE PROTECTION. PROTECTS AREAS AROUND INLETS FROM EROSION.					*			
11	ROUGHENED SURFACE	REDUCES VELOCITY AND INCREASES INFILTRATION RATES. COLLECTS SEDIMENT. HOLDS WATER, SEED, AND MULCH BETTER THAN SMOOTH SURFACES.	*				*	*		38	STRAW BALE FILTER	INEXPENSIVE AND EASY TO CONSTRUCT. CAN BE LOCATED AS NECESSARY TO COLLECT SEDIMENT. MAY BE USED IN CONJUNCTION WITH SNOW FENCE FOR ADDED STABILITY.			*	*			*	
12	COMPACTION	HELPS HOLD SOIL IN PLACE, MAKING EXPOSED AREAS LESS VULNERABLE TO EROSION.	*				*	*		39	ROCK FILTER	CAN UTILIZE MATERIAL FOUND ON SITE. EASY TO CONSTRUCT. FILTERS SEDIMENT FROM RUNOFF.				*	*			*
13	RIPRAP, RUBBLE, CABONS	USED WHERE VEGETATION IS NOT EASILY ESTABLISHED. EFFECTIVE FOR HIGH VELOCITIES OR HIGH CONCENTRATIONS. PERMITS RUNOFF TO INFILTRATE SOIL. DISSIPATES ENERGY FLOW AT SYSTEM OUTLETS.	*	*	*					40	INLET SEDIMENT TRAP	EASY TO SHAPE. COLLECTS SEDIMENT. MAY BE CLEANED AND EXPANDED AS NEEDED.				*				
14	AGGREGATE COVER	STABILIZES SOIL SURFACE, THIS WAKING EROSION. PERMITS CONSTRUCTION TRAFFIC IN ADVERSE WEATHER. MAY BE USED AS PART OF PERMANENT BASE CONSTRUCTION OF PAVED AREAS.					*	*		41	STONE AND ROCK CROSSING	MAY BE ROCK OR CLEAN RUBBLE. MINIMIZES STREAM TURBIDITY. INEXPENSIVE. MAY ALSO SERVE AS DITCH CHECK OR SEDIMENT TRAP.		*						
15	PAVING	PROTECTS AREAS WHICH CANNOT OTHERWISE BE PROTECTED, BUT WHICH ARE NEARLY IMPROVED. IRREGULAR SURFACE WILL HELP SLOW VELOCITY.	*				*	*		42	TEMPORARY CULVERT	ELIMINATES STREAM TURBULENCE AND TURBIDITY. PROVIDES UNOBSTRUCTED PASSAGE FOR FISH AND OTHER WATER LIFE. CAPACITY FOR NORMAL FLOW CAN BE PROVIDED WITH STORM WATER FLOWING OVER ROADWAY.		*						*
16	CURB & GUTTER	KEEPS HIGH VELOCITY RUNOFF ON PAVED AREAS FROM LEAVING PAVED SURFACE. COLLECTS AND CONDUCTS RUNOFF TO ENCLOSED DRAINAGE SYSTEM OR PREPARED DRAINAGEWAY.					*	*		43	CULVERT SEDIMENT TRAP	EASY TO INSTALL AT INLET. KEEPS CULVERT CLEAN AND FREE FLOWING. MAY BE CONSTRUCTED OF LUMBER OR LOGS.		*					*	
17	BENCHES	REDUCES RUNOFF VELOCITY BY REDUCING EFFECTIVE SLOPE LENGTH. COLLECTS SEDIMENT. PROVIDES ACCESS TO SLOPES FOR SEEDING, MULCHING AND MAINTENANCE.	*					*		44	CULVERT SEDIMENT TRAP	DEFLECTS CURRENTS AWAY FROM STREAMBANK AREAS.		*					*	
18	DIVERSION BERM	DIVERTS WATER FROM VULNERABLE AREAS. COLLECTS AND DIVERTS WATER TO PREPARED DRAINAGEWAYS. MAY BE PLACED AS PART OF NORMAL CONSTRUCTION OPERATION.	*					*		45	TEMP. STREAM CHANNEL CHANGE	NEW CHANNEL, KEEPS NORMAL FLOWS AWAY FROM CONSTRUCTION. REQUIRES STATE PERMIT.		*					*	
19	DIVERSION DITCH	COLLECTS AND DIVERTS WATER TO REDUCE EROSION POTENTIAL. MAY BE INCORPORATED IN PERMANENT PROJECT DRAINAGE SYSTEMS.	*					*		46	SHEET PILING	PROTECTS ERODIBLE BANK AREAS FROM STREAM CURRENTS. MINIMAL DISRUPTION WHEN REMOVED.		*					*	
20	BERM & DITCH	DIVERTS WATER TO A PREPARED DRAINAGEWAY. MAY BE USED AT INTERVALS ACROSS SLOPE FACE TO REDUCE EFFECTIVE SLOPE LENGTH.	*					*		47	COTTERDAM	WORK CAN BE CONTINUED DURING MOST ANTICIPATED STREAM CONDITIONS. CLEAR WATER CAN BE PUMPED DIRECTLY BACK INTO STREAM.		*					*	
21	FILTER BERM	CONSTRUCTED OF GRAVEL OR STONE. WITHHELD AND DIVERTS RUNOFF TO STABILIZED AREAS OR PREPARED DRAINAGE SYSTEMS. SLOWS RUNOFF AND COLLECTS SEDIMENT.	*	*				*		48	CONSTRUCTION DAM	PERMITS WORK TO CONTINUE DURING NORMAL STREAM STAGES. CONTROLLED FLOODING CAN BE ACCOMMODATED DURING PERIODS OF INACTIVITY.		*					*	
22	BRUSH FILTER	USES SLASH AND LOGS FROM CLEARING OPERATIONS. CAN BE COVERED AND SEEDED RATHER THAN REMOVED. ELIMINATES NEED FOR BURNING OR REMOVAL OF MATERIAL FROM SITE.	*					*		49	CHECK DAMS	REDUCES FLOW VELOCITY. CATCHES SEDIMENT. CAN BE CONSTRUCTED OF LOGS, STRAW, HAY, ROCK, LUMBER, WOODSHY, OR SAND BAGS.		*	*				*	
23	BARE CHANNEL	LEAST EXPENSIVE FORM OF DRAINAGEWAY. MAY BE USED ONLY WHERE GRADIENT IS VERY LOW AND WITH SLOPES OF MINIMUM EROSION POTENTIAL.			*					50	WEIR	CONTROLS SEDIMENTATION IN LARGE STREAMS. CAUSES MINIMAL TURBIDITY.		*	*				*	
24	GRASSED WATERWAY	MUCH MORE STABLE FORM OF DRAINAGEWAY THAN BARE CHANNEL. GRASS TENDS TO SLOW RUNOFF AND FILTER OUT SEDIMENT. USED WHERE BARE CHANNEL WOULD BE ERODED.			*					51	RETAINING WALL	REDUCES GRADIENT WHERE SLOPES ARE EXTREMELY STEEP. PERMITS RETENTION OF EXISTING VEGETATION, KEEPING SOIL STABLE IN CRITICAL AREAS.		*					*	
25	SLOPE DRAIN (SURFACE PIPE)	PREVENTS EROSION ON SLOPES WHEN RUNOFF CANNOT BE DIVERTED TO EDGE OF SLOPE AREA. USUALLY PERMANENT. CAN BE CONSTRUCTED OR EXTENDED AS GRADING PROGRESSES.	*							52	SEEPAGE CONTROL	PREVENTS PILING AND SOIL SLURPAGE ON CUT SLOPES.		*					*	
26	SLOPE DRAIN (PIPE CHUTE)	PREVENTS EROSION ON SLOPES WHEN RUNOFF CANNOT BE DIVERTED TO EDGE OF SLOPE AREA. USUALLY PERMANENT. CAN BE CONSTRUCTED OR EXTENDED AS GRADING PROGRESSES.	*							53	WINDBREAK	MINIMIZES WIND EROSION. MAY BE SNOW FENCE.			*				*	
27	SLOPE DRAIN (SUBSURFACE PIPE)	PREVENTS EROSION ON SLOPES WHEN RUNOFF CANNOT BE DIVERTED TO EDGE OF SLOPE AREA. USUALLY PERMANENT. CAN BE CONSTRUCTED AS GRADING PROGRESSES.	*							54	SILT FENCE	USES GEOTEXTILE FABRIC AND POSTS OR POLES. EASY TO CONSTRUCT AND LOCATE AS NECESSARY.			*				*	



PERMANENT SEEDING GUIDE

	APR	MAY	JUN	JUL	AUG	SEP	OCT	
IRRIGATED AND/OR MULCH								ZONE 1
WITHOUT IRRIGATION OR MULCH								ZONE 2
IRRIGATED AND/OR MULCH								ZONE 3
WITHOUT IRRIGATION OR MULCH								

TEMPORARY SEEDING GUIDE

		APR	MAY	JUN	JUL	AUG	SEP	OCT	
ZONE 1									
TYPE OF SEED									
SPRING OATS/BARLEY OR DOMESTIC RYEGRASS									
SUDANGRASS									
RYE OR PERENNIAL RYE									
WHEAT									
ZONE 2									
TYPE OF SEED									
SPRING OATS/BARLEY OR DOMESTIC RYEGRASS									
SUDANGRASS									
RYE OR PERENNIAL RYE									
WHEAT									
ZONE 3									
TYPE OF SEED									
SPRING OATS/BARLEY OR DOMESTIC RYEGRASS									
SUDANGRASS									
RYE OR PERENNIAL RYE									
WHEAT									

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
STRIP & STOCKPILE TOPSOIL												
ROUGH GRADE SEDIMENT CONTROL												
TEMP. CONTROL MEASURES												
STORM FACILITIES												
TEMP. CONSTRUCTION ROADS												
SITE CONSTRUCTION												
PERM. CONTROL MEASURES												
FINISH GRADING												

SOIL EROSION & SEDIMENTATION CONTROL

- DEVELOPER/PROPERTY OWNER SHALL SUBMIT A DETAILED EROSION CONTROL PLAN AND OBTAIN A SOIL EROSION & SEDIMENTATION CONTROL PERMIT PRIOR TO ANY EARTH CHANGES.
- CONSTRUCTION OPERATION SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION AND/OR TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING AND/OR GRADING OPERATIONS.
- BORROW AND FILL DISPOSAL AREAS WILL BE SELECTED AND APPROVED AT TIME OF PLAN REVIEW.
- SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- CLEANUP WILL BE DONE IN A MANNER TO INSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.
- THE PROJECT WILL CONTINUALLY BE INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE DEVELOPER WITHIN 24 HOURS.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE DEVELOPER UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES.
- ALL TEMPORARY SOIL EROSION CONTROL MEASURES MUST BE REMOVED FROM ROAD RIGHT-OF-WAY AREAS PRIOR TO ACCEPTANCE OF STREETS FOR ROUTINE MAINTENANCE.
- VEGETATION MUST BE ACCEPTABLY ESTABLISHED PRIOR TO FINAL RELEASE OF THE CONSTRUCTION GUARANTEE BY THE DESIGNATED SOIL EROSION SEDIMENTATION CONTROL AGENT.

STREAM CROSSING NOTES

- CONSTRUCTION OF STREAM CROSSINGS SHALL BE SUBJECT TO THE SPECIFICATIONS FOR PROTECTION OF NATURAL RESOURCES AT UTILITY CROSSINGS AS GIVEN IN THE ADMINISTRATIVE RULES FOR ACT 346(RULES 24-29).
- A SILTATION BARRIER SHALL BE CONSTRUCTED IMMEDIATELY DOWNSTREAM OF THE CONSTRUCTION SITE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. (SEE MICHIGAN UNIFIED KEYING SYSTEM FOR SPECIFIED BARRIER) THE SILTATION BARRIER SHALL BE MAINTAINED IN GOOD WORKING ORDER THROUGHOUT THE DURATION OF THE PROJECT.
- BACKFILL SHALL CONSIST OF INERT MATERIALS WHICH WILL NOT CAUSE SILTATION NOR CONTAIN SOLUBLE CHEMICALS OR ORGANIC MATTER WHICH IS BIODEGRADABLE. ALL FILL SHALL BE CONTAINED IN SUCH A MANNER SO AS NOT TO ERODE INTO ANY WATERCOURSE.
- ALL RAW BANKS SHALL BE STABILIZED WITH RIPRAP TO THREE FEET ABOVE THE ORDINARY HIGH WATERMARK, THEN SEED, FERTILIZED AND MULCHED, OR SODDED TO PREVENT EROSION.
- UPON PROJECT COMPLETION THE EXCESS SPOILS SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED UPLAND SITE.
- SILTATION BARRIER MAY BE REMOVED UPON PLACEMENT OF PERMANENT EROSION CONTROL MEASURES.

CONSTRUCTION SEQUENCE

- EXCAVATION AND STOCKPILING OF SOIL.
- IMPLEMENTATION OF TEMPORARY EROSION CONTROL MEASURES; SELECTIVE GRADING, DIVERSIONS AS REQUIRED IN FIELD, PROTECTION OF STORM SEWER FACILITIES.
- PERIODIC MAINTENANCE OF AFFECTED EROSION CONTROL MEASURES.
- PERMANENT MEASURES; FINAL GRADING, SEEDING AND MULCHING.



City of Mt. Pleasant
 215 S. CONYER AVE. | P.O. BOX 1000
 MOUNT PLEASANT, MICHIGAN 48859

SOIL EROSION CONTROL KEY

2014 NEW SIDEWALK CONSTRUCTION

DESIGN BY: ST
 DRAWN BY: ST
 CHECKED BY: JM
 APPROVED BY: JZ

CONSTRUCTED _____
 DATE OF PLAN _____
 SCALE: NONE
 SHEET 8 OF 8 SHEETS

REVISIONS _____ DATE/INITIALS _____

CONTROL SECT. _____ JOB NO. _____ FED. PROJECT _____ FED. ITEM NO. _____

PLOT DATE: SDATES

DRAWING PATH:

FED. ITEM NO.

FED. PROJECT:

JOB NO.:

CONTROL SECTION:

2014 NEW SIDEWALK CONSTRUCTION