

CITY OF ST. PAUL

Department of Public Works

CONSTRUCTION PLAN
for
SIDEWALK WIDENING
ALONG NORTH SIDE

SIXTH STREET EAST

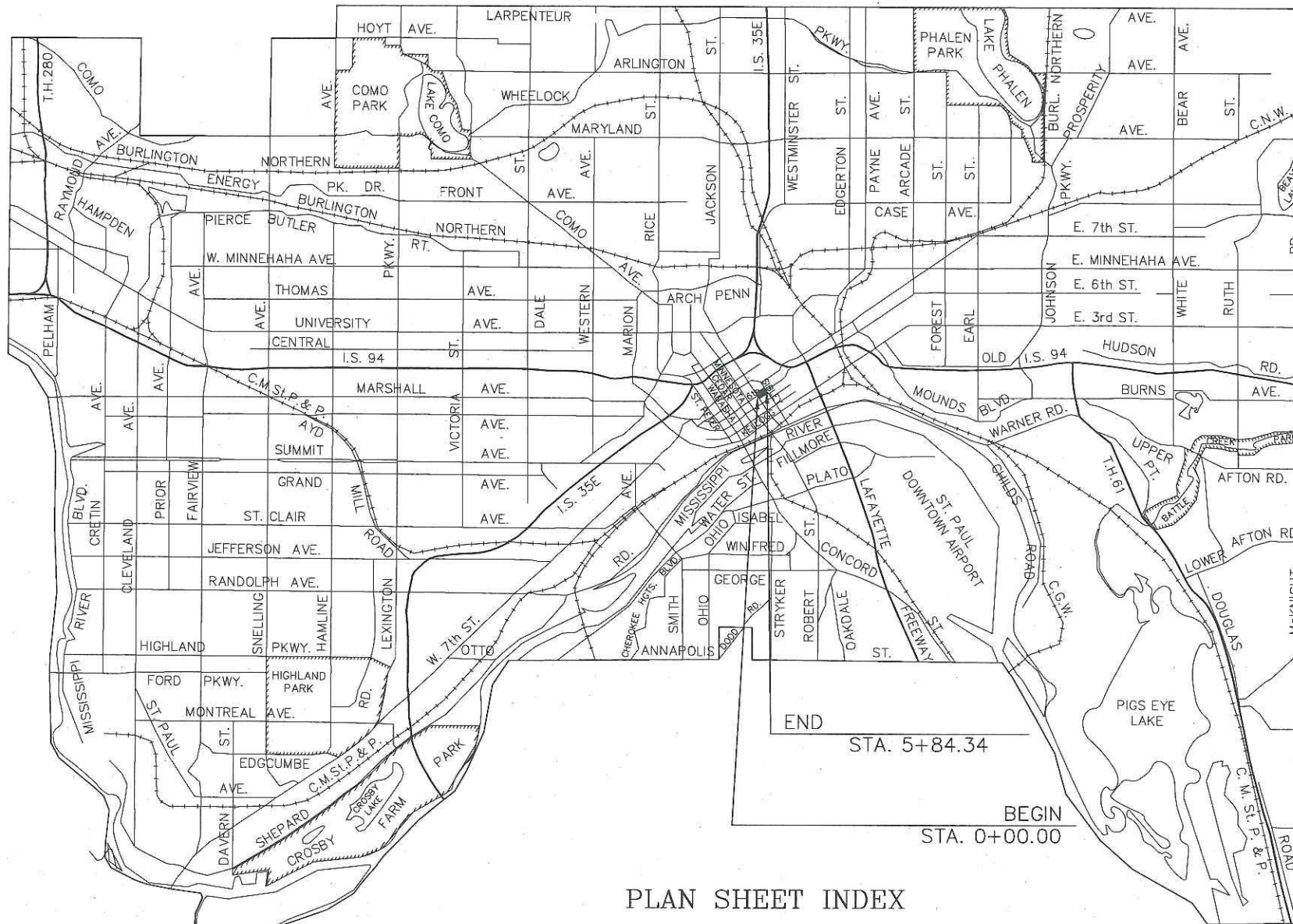
from
SIBLEY STREET TO WACOUTA STREET

CITY PROJECT NO. 13-M-0687

includes

GRADING, CURB, BITUMINOUS PAVING, SIDEWALKS,
DECORATIVE BOULEVARDS AND STORM SEWER

| | | |
|-------------------|----------|-------------|
| GROSS LENGTH | 584 FEET | 0.111 MILES |
| BRIDGES LENGTH | 0 FEET | 0.00 MILES |
| EXCEPTIONS LENGTH | 0 FEET | 0.00 MILES |
| NET LENGTH | 584 FEET | 0.111 MILES |



PLAN SHEET INDEX

1. TITLE SHEET
2. LEGEND, STD. DETAILS AND PLAN SHEET LOCATION MAP
3. STATEMENT OF ESTIMATED QUANTITIES
4. SEWER CHARTS
5. TYPICAL SECTION
6. EROSION AND SEDIMENT CONTROL PLAN
7. DECORATIVE BOULEVARD DETAILS
8. EXISTING CONDITIONS
9. PROPOSED CONSTRUCTION
10. STRIPING, LIGHTING, SIGNAL, PARKING METER REMOVAL
(FOR INFORMATION ONLY - WORK DONE BY OTHERS)

THIS PLAN CONTAINS 10 SHEETS

HPC REVIEW PLAN SET

APPROVED... *DANIEL A. HAAK* ... DATE *1/8/13*
Manager Street Engineering/Construction Division

SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. THESE SHALL BE FURTHER AMENDED BY THE CITY OF SAINT PAUL "STANDARD SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION" AND THE SPECIAL PROVISIONS.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE MMUTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS"

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38.-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

| | | |
|----------|-----|--|
| DESIGNED | JPF | I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA |
| DRAWN | JPF | |
| APPROVED | DAH | |

Signature: *DANIEL A. HAAK* Date: *1/3/13*
DANIEL A. HAAK Lic. No. *17274*

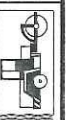
PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS

SIXTH STREET SIDEWALK WIDENING

| | | | |
|----------|-----------|---------------------------|------------------------------------|
| PROJECT: | 13-M-0687 | STATE AID PROJECT NUMBER: | NA |
| DRAWER: | 12 | CAD NAME: | PROJECTS/CURRENT/SIXTH ST SW/TITLE |
| DWG. NO. | 1564 | DATE: | 1/3/13 |
| | | SHEET NO. | 1 OF 10 SHEETS |



5000'



EXISTING & REMOVAL LEGEND

| | | | |
|--|---|--|----------------|
| | EXISTING CURB & GUTTER | | ASPHALT DRIVE |
| | EXISTING CURB | | CONCRETE DRIVE |
| | EXISTING WALK | | DIRT DRIVE |
| | HYDRANT | | GRAVEL DRIVE |
| | UTILITY POLE | | BRICK DRIVE |
| | LIGHT STANDARD | | |
| | TRAFFIC SIGNAL | | |
| | PULLBOX | | |
| | UTILITY MANHOLE | | |
| | EXISTING MANHOLE (NO. REFERS TO EXISTING SEWER CHART) | | |
| | EXISTING CATCH BASIN (NO. REFERS TO EXISTING SEWER CHART) | | |
| | EXISTING SIDE INLET | | |
| | EXISTING SEWER | | |
| | EXISTING PIPE OR C.B. LEAD, CONSTR. 8" BRICK BULKHEAD | | |
| | EXISTING UTILITY GATE VALVE | | |
| | EXISTING WATER VALVE | | |
| | EXISTING WATER MAIN | | |
| | EXISTING GAS MAIN | | |
| | EXISTING CONDUIT (L=LIGHTING, T=TELEPHONE, E=ELECTRIC, T.S.=TRAFFIC SIGNAL, F.O.=FIBER OPTIC) | | |
| | EXISTING TREE (NO. REFERS TO SIZE) | | |
| | REMOVE CONCRETE CURB AND GUTTER | | |
| | REMOVE CONCRETE CURB OR SANDSTONE CURB | | |
| | SALVAGE GRANITE CURB | | |
| | REMOVE CONCRETE WALK | | |
| | REMOVE CONCRETE DRIVE | | |
| | REMOVE TREE (NO. REFERS TO SIZE) | | |
| | REMOVE STUMP | | |
| | REMOVE CONCRETE STEPS | | |

CONSTRUCTION LEGEND

| | |
|--|---|
| | CONSTRUCT PAVEMENT (SEE TYPICAL SECTIONS) |
| | BITUMINOUS OVERLAY |
| | PAVEMENT OR TRENCH PAVEMENT RESTORATION |
| | CONSTRUCT CURB OR CURB & GUTTER (SEE TYPICAL SECTION FOR TYPE) |
| | CONSTRUCT CURB & GUTTER (SEE TYPICAL SECTION FOR TYPE) |
| | ADJUST MANHOLE (NO. REFERS TO EXISTING SEWER CHART) |
| | ADJUST UTILITY MANHOLE |
| | CONSTRUCT CONCRETE WALK (4" THICK MAINLINE WALK AND OUTWALKS) (6" THICK IN PEDESTRIAN RAMP AREAS) |
| | CONSTRUCT CONCRETE DRIVEWAY PAVEMENT (TYPE 6) 6" THICK UNLESS OTHERWISE NOTED. |
| | ADJUST WATER GATE VALVE HOUSING |
| | PEDESTRIAN CURB RAMP |
| | CONSTRUCT CATCH BASIN (NO. REFERS TO SEWER CONST. CHART) |
| | CONSTRUCT CATCH BASIN LEAD (12" DIA. UNLESS OTHERWISE NOTED) |
| | NEW MANHOLE- TYPE AS NOTED (NO. REFERS TO SEWER CONST. CHART) |
| | NEW TYPE IV OR IV-A MANHOLE MANHOLE (NO. REFERS TO SEWER CONST. CHART) |
| | CONSTRUCT POSSIBLE SANITARY SERVICE RECONNECTION |
| | LEAD WATER SERVICE |

NOTES

1. WATER, GAS, ELECTRIC, TELEPHONE COMMUNICATION, SEWER AND T.V. CABLE LINES SHOWN ON THE DRAWINGS AND CROSS-SECTIONS ARE PLOTTED FROM THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION, BUT MAY NOT REFLECT ACTUAL LOCATIONS OR ELEVATIONS, THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE BEGINNING CONSTRUCTION WHICH MAY BE AFFECTED BY A UTILITY CONFLICT. THE CONTRACTOR SHALL GIVE 48 HOURS NOTICE TO THE OWNERS OF ALL KNOWN UTILITIES BEFORE STARTING ANY OPERATIONS AFFECTING THOSE PROPERTIES, OR BEGINNING EXCAVATION IN THE VICINITY OF THOSE PROPERTIES. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 1507 IN THE STANDARD SPECIFICATIONS.
2. ALL CURB RADII 20 FEET UNLESS OTHERWISE NOTED.
3. 12" CATCH BASIN LEADS TO BE CLASS V
15" CATCH BASIN LEADS TO BE CLASS V
4. WHERE EXISTING UTILITIES ARE IN CONFLICT WITH SEWER CONSTRUCTION, THE UTILITY COMPANY WILL RELOCATE, OFFSET OR SUPPORT THE UTILITY UNLESS OTHERWISE INDICATED ON THE PLAN SHEET OR STATED IN THE SPECIAL PROVISIONS.
5. WHERE EXISTING FIRE HYDRANTS AND/OR LIGHT STANDARDS CONFLICT WITH SEWER CONSTRUCTION, THEY WILL BE RELOCATED BY OTHERS.
6. GAS MAINS SHOWN ON THE PLAN SHEETS ARE EXISTING MAINS. IN CONJUNCTION WITH THIS SEWER AND PAVING PROJECT, XCEL MAY ABANDON SOME OF THE GAS MAINS IN THE AREA AND CONSTRUCT NEW MAINS IN THE SIDEWALK AREA.
7. ALL CONCRETE WALK IN QUADRANT AREAS AT THE CORNERS OF INTERSECTIONS SHALL BE 6" THICK.
8. RECORDS INDICATE THERE ARE PROPERTY IRONS AT THE BLOCK CORNERS IN THE PROJECT AREA. DO NOT DISTURB THESE IRONS WHEN REMOVING CONCRETE PANELS. IF REMOVED, REPLACEMENT BY A LICENSED SURVEYOR, AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL PROVIDE OSHA COMPLIANT TRENCH BOXES FOR ALL SPRWS TRENCH EXCAVATION. CONTRACTOR SHALL PROVIDE TRENCH BOX SIZES AS LISTED IN SPECIFICATION 2504. NO COMPENSATION WILL BE PROVIDED FOR WORK STOPPAGES CAUSED BY FAILURE TO PROVIDE APPROPRIATE OSHA APPROVED TRENCH BOX REQUIREMENTS.

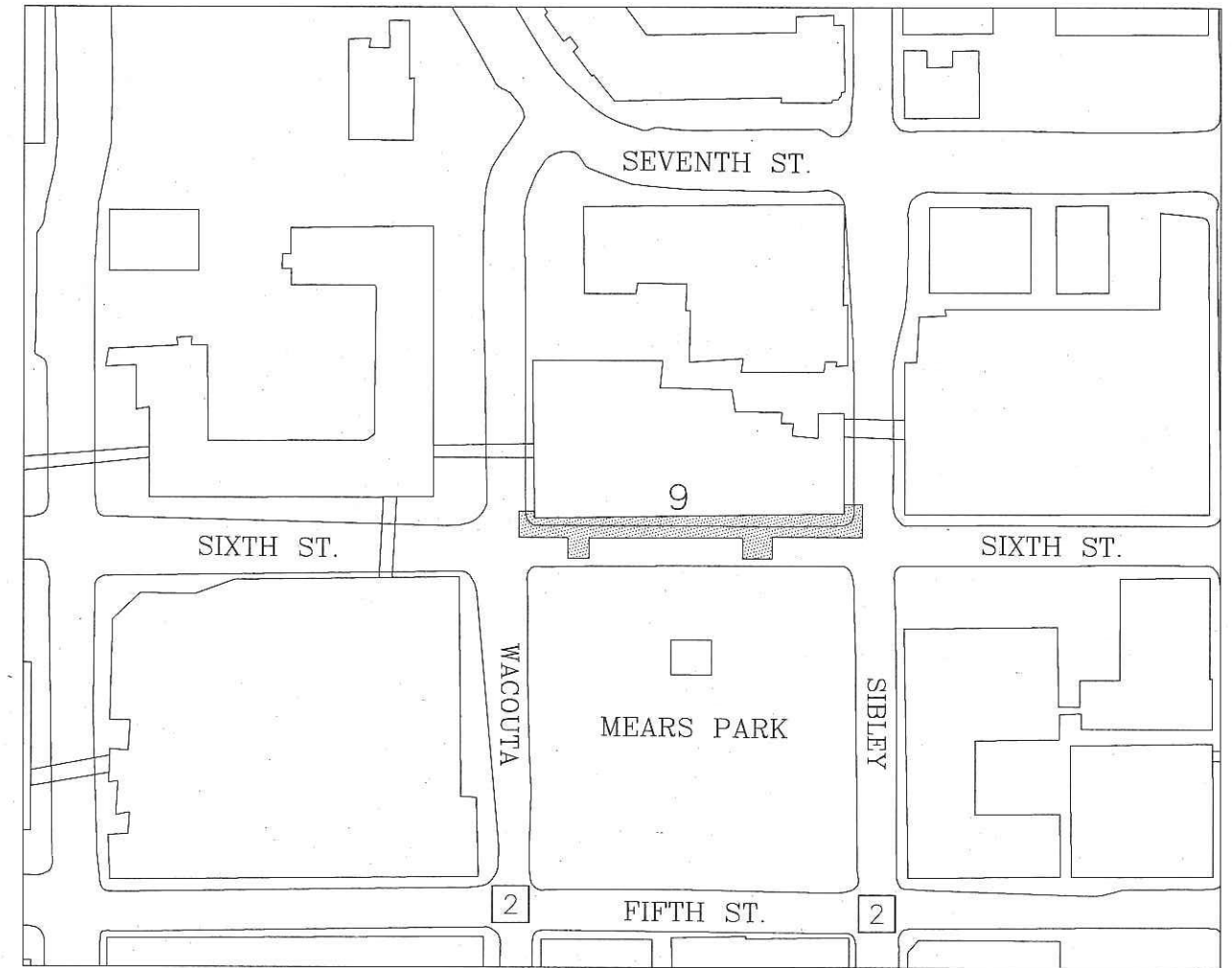
STANDARD DETAIL PLATES

| ST. PAUL DRG. NO. | STANDARD DETAIL |
|-------------------|---|
| 1306 | SIGN/METER COLLAR PLACEMENT |
| 2007E | CATCH BASIN, DESIGN TYPE 3C |
| 2015G | CATCH BASIN, DESIGN TYPE 7A |
| 2101D | MANHOLE, TYPE I |
| 2103E | MANHOLE, TYPE III & III-S |
| 2104E | MANHOLE, TYPE IV |
| 2107C | MANHOLE, TYPE VII |
| 2201E | FRAME CASTING A |
| 2202D | COVER CASTINGS B & D |
| 2309C | CATCH BASIN CONNECTION |
| 2311B | ANCHOR CLAMP DETAIL |
| 2317C | TYPES OF TRENCH BEDDING |
| 2318C | CONCRETE SADDLE FOR PIPE CROSSINGS |
| 2319D | SADDLE CONNECTIONS FOR HOUSE SERVICES |
| 2321 | MANHOLE, ADJUST |
| 2322 | MANHOLE, RECONSTRUCT |
| 3000B | CONCRETE CURB |
| 3003B | PEDESTRIAN CURB RAMP FOR THE HANDICAPPED |
| 3005D | PEDESTRIAN CURB RAMP FOR THE HANDICAPPED |
| 3006D | PEDESTRIAN CURB RAMP FOR THE HANDICAPPED |
| 3008A | SAWED / SEALED JOINTS |
| 3100C | CONCRETE CURB AND GUTTER, DESIGN B |
| 3102B | CONC. CURB & GUTTER OPENING FOR DRIVEWAYS |
| 4031B | BARRICADE DESIGNS |
| 4032A | BARRICADING FOR STREET CLOSURE |
| 4035A | WARNING LIGHTS AND CHANNELIZING DEVICES |
| 4036 | BARRICADING FOR SIDEWALK REPLACEMENT |
| 6200B | RESET MONUMENT |

STANDARD DETAIL PLATES

THESE STANDARD PLATES AS APPROVED BY THE FHWA SHALL APPLY

| MnDOT DRG. NO. | STANDARD DETAIL |
|----------------|--|
| 1070M | SUPPLEMENTAL PAVEMENT REINFORCEMENT |
| 1103K | TYPICAL DOWEL BAR ASSEMBLY (2 SHEETS) |
| 3000L | REINFORCED CONCRETE PIPE (5 SHEETS) |
| 3006G | GASKET JOINT FOR R. C. PIPE (2 SHEETS) |
| 4010H | CONCRETE SHORT CONE & ADJUSTING RING |
| 4180J | MANHOLE OR CATCH BASIN STEP |
| 7038A | DETECTABLE WARNING SURFACE TRUNCATED DOMES |
| 8000I | STANDARD BARRICADES |



X PLAN SHEET NUMBER
 STREETS TO BE RECONSTRUCTED

HPC REVIEW PLAN SET

LEGEND
 STANDARD DETAILS
 LOCATION AND PHASING MAP

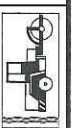
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| | DRAWN | JPF | |
| | APPROVED | DAH | |

Signature: Daniel A. Haak Date: 1/3/13
 Lic. No. 17274

PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS

SIXTH STREET SIDEWALK WIDENING

| | |
|--------------------------|---|
| PROJECT: 13-M-0687 | STATE AID PROJECT NUMBER: NA |
| DRAWER: 12 | CAD NAME: PROJECTS/CURRENT/SIXTH ST SW/LEGEND |
| DWG. NO. 1564 | DATE: 1/3/13 |
| SHEET NO. 2 OF 10 SHEETS | |



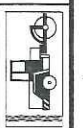
| SIXTH ST SW WIDENING - SIBLEY STREET TO WACOUTA STREET | | | | | | |
|--|---|----------|-----------------------------------|-------------------|-------------------|---------------------|
| ITEM NO. | ITEM | UNIT | SIXTH ST SW PAVING QUANTITY | WATER QUANTITY | SEWER QUANTITY | TOTAL QUANTITIES |
| 2021.501 | MOBILIZATION | LUMP SUM | 1.000 | | | 1 |
| 2104.505 | REMOVE PAVEMENT | SQ. YD. | 430 | | | 430 |
| 2104.509 | REMOVE CATCH BASIN OR MANHOLE | EACH | 1 | | | 1 |
| 2104.509 | REMOVE AND DISPOSE LIGHT BASE FOUNDATION | EACH | 4 | | | 4 |
| 2104.618 | REMOVE CONCRETE WALK & INTEGRAL CURB | SQ. FT. | 3,256 | | | 3,256 |
| 2105.607 | STRUCTURAL SOIL (C.V.) | CU. YD. | 178 | | | 178 |
| 2123.610 | STREET SWEEPING | HOUR | 5 | | | 5 |
| 2211.503 | AGGREGATE BASE PLACED (C.V.), CLASS 5 (P) | CU. YD. | 150 | | | 150 |
| 2360.503 | PAVEMENT RESTORATION | SQ. YD. | 200 | | | 200 |
| 2503.541 | 12" R.C. PIPE SEWER, DESIGN 3006, CLASS V | LIN. FT. | 20 | | | 20 |
| 2506.602 | CONSTRUCT CATCH BASIN, DESIGN TYPE 7A | EACH | 1 | | | 1 |
| 2521.501 | 6" CONCRETE WALK | SQ. FT. | 3,740 | | | 3,740 |
| 2521.501 | 6" CONCRETE WALK (REINFORCED OVER FILLED AREAWAYS) | SQ. FT. | 1,050 | | | 1,050 |
| 2521.603 | SEAL SIDEWALK JOINT | LIN. FT. | 2,000 | | | 2,000 |
| 2531.501 | CONCRETE CURB, DESIGN TYPE B612 | LIN. FT. | 355 | | | 355 |
| 2531.602 | TEMPORARY PEDESTRIAN ACCESS RAMPS | EACH | 4 | | | 4 |
| 2531.618 | TRUNCATED DOME | SQ. FT. | 24 | | | 24 |
| 2540.603 | PAVER EDGER | LIN. FT. | 570 | | | 570 |
| 2540.618 | CONCRETE PAVERS FOR BOULEVARDS | SQ. FT. | 700 | | | 700 |
| 2540.618 | PERMEABLE PAVERS | SQ. FT. | 520 | | | 520 |
| 2563.601 | TRAFFIC CONTROL | LUMP SUM | 1 | | | 1 |
| 2564.602 | PARKING METER/SIGN COLLAR | EACH | 20 | | | 20 |
| | TREES INSTALLED WITH STR SOIL | EACH | 4 | | | 4 |
| | STREET LIGHTING RELOCATION | LUMP SUM | 1 | | | 1 |
| | TRAFFIC SIGNAL MODIFICATIONS | LUMP SUM | 1 | | | 1 |
| | SIGNING AND PAVEMENT MARKING REVISIONS | LUMP SUM | 1 | | | 1 |
| | AREAWAY REMOVAL (IN ACCORDANCE WITH REMOVAL POLICY) | LUMP SUM | 1 | | | 1 |

HPC REVIEW PLAN SET

STATEMENT OF ESTIMATED QUANTITIES

Z:\streets\projects\current\Sixth Street SW\DWG\Plan Set\Sixth St SW - Charts.dwg Jan 08, 2013 - 2:55pm

| | | | | | | | | |
|--|----------|-----|---|---|----------|-----------|---------------------------|-------------------------------------|
|  | DESIGNED | JPF | I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. Signature: <u>DANIEL A. HAAK</u> Date: <u>1/3/13</u> DANIEL A. HAAK Lic. No. <u>17274</u> | PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS SIXTH STREET SIDEWALK WIDENING | PROJECT: | 13-M-0687 | STATE AID PROJECT NUMBER: | NA |
| | DRAWN | JPF | | | DRAWER: | 12 | CAD NAME: | PROJECTS/CURRENT/SIXTH ST SW/CHARTS |
| | APPROVED | DAH | | | DWG. NO. | 1564 | DATE: | 1/3/13 |



EXISTING SEWER STRUCTURES

| STR NO. | STATION | LT | CENTER | RT | AS IS | REM MH | REM CB | RECON | ADJ MH | NOTES |
|---------|---------|-------|--------|------|-------|--------|--------|-------|---------|--------------|
| 1 | 107.61 | 18.94 | | | X | | | | | UTL MH CB |
| 2 | 112.09 | 32.31 | | | | X | | X | | ST MH |
| 3 | 115.75 | 5.74 | | | X | | | | BY XCEL | UTL MH |
| 4 | 124.19 | 16.54 | | | X | | | | | SAN MH |
| 5 | 127.00 | | X | | X | | | | BY XCEL | UTL MH |
| 6 | 208.82 | 16.52 | | | X | | | | | SAN MH |
| 7 | 259.02 | | | 0.37 | X | | | | | ST MH |
| 8 | 259.87 | 5.14 | | | X | | | | BY XCEL | UTL MH |
| 9 | 339.10 | 16.71 | | | | | | | | SAN MH |
| 10 | 420.29 | 0.60 | | | X | | | | | CB |
| 11 | 420.61 | 21.44 | | | | | X | X | | ST MH |
| 12 | 430.35 | 21.62 | | | | X | | X | | CB |
| 13 | 430.99 | 34.12 | | | | | X | X | | ST MH |
| 14 | 432.96 | 6.64 | | | X | | | X | | ST MH |

PROPOSED SEWER STRUCTURES

| STR NO. | STATION | LT. | RT. | MH | CB | LENGTH | SIZE | TYPE | NOTES |
|---------|---------|-------|-----|-----|----|--------|------|------|------------|
| 101 | 112.09 | 32.31 | | | 7A | 0 | 12" | RCP | REUSE LEAD |
| 102 | 413.36 | 8.76 | | | 7A | 23' | 12" | RCP | |
| 103 | 430.99 | 34.12 | | | 7A | 9' | 12" | RCP | |
| 104 | 430.35 | 21.62 | | TBD | | | | | |

HPC REVIEW PLAN SET

DESIGNED: JPF
 DRAWN: JPF
 APPROVED: DAH

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Signature: *Daniel A. Haak*
 DANIEL A. HAAK
 Date: 1/3/13
 Lic. No. 17274

EXISTING SEWER STRUCTURES
 PROPOSED SEWER STRUCTURES

PREPARED BY: STREET ENGINEERING DIVISION
 FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS

SIXTH STREET SIDEWALK WIDENING

PROJECT: 13-M-0687
 DRAWER: 12
 DWG. NO. 1564

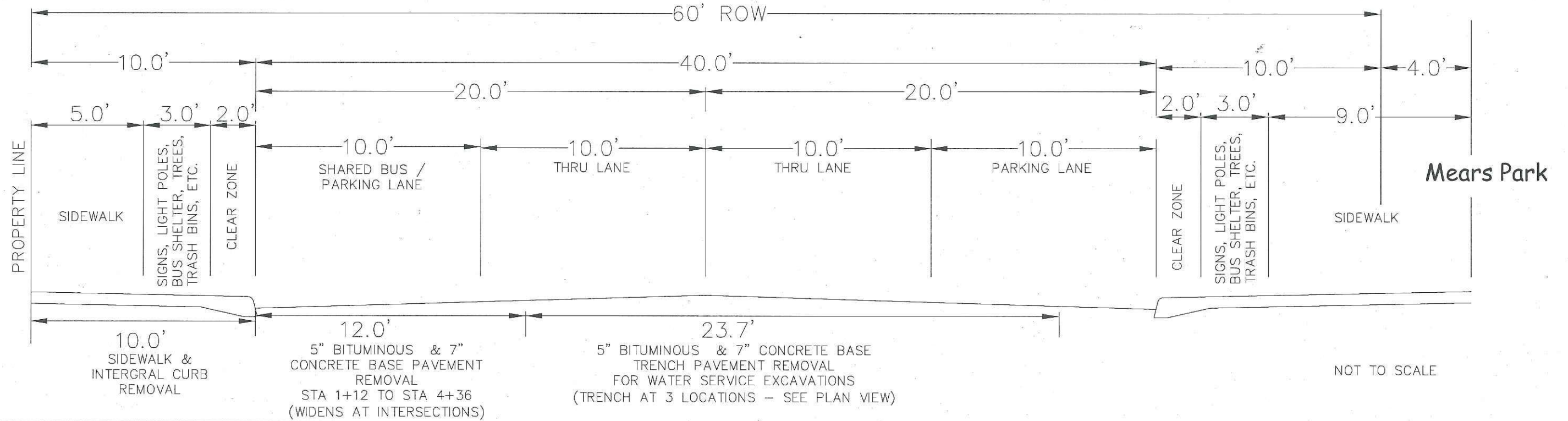
STATE AND PROJECT NUMBER: NA
 CAD NAME: PROJECTS/CURRENT/SIXTH ST SW/CHARTS
 DATE: 1/3/13

SHEET NO. 4 OF 10 SHEETS

NORTH

SIXTH STREET – EXISTING TYPICAL CROSS SECTION

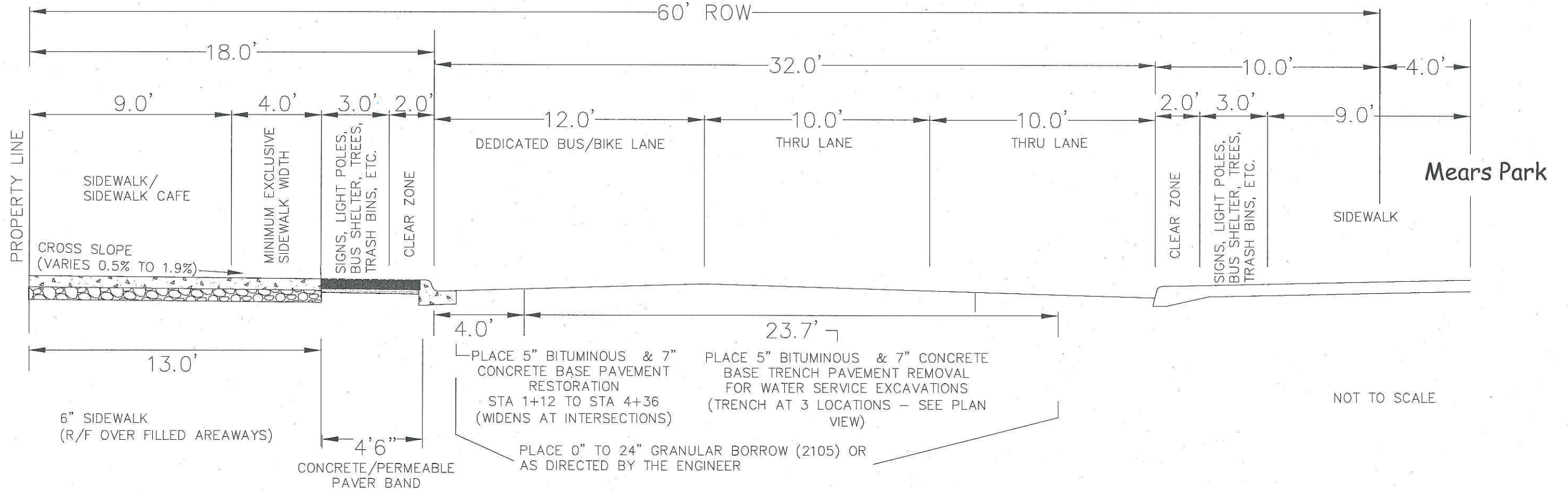
SOUTH



NORTH

SIXTH STREET – PROPOSED TYPICAL CROSS SECTION

SOUTH



HPC REVIEW PLAN SET

TYPICAL SECTION
SIBLEY TO WACOUTA

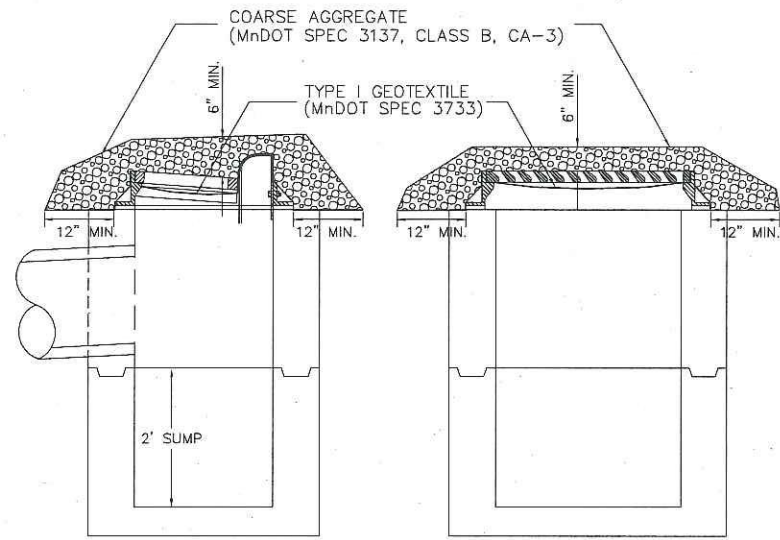
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| Signature: <i>Daniel A. Haak</i> | | Date: 1/3/13 | Lic. No. 17274 |

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SIXTH STREET SIDEWALK WIDENING

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| DWG. NO. 1564 | DATE: 1/3/13 |
| SHEET NO. 5 OF 10 SHEETS | |

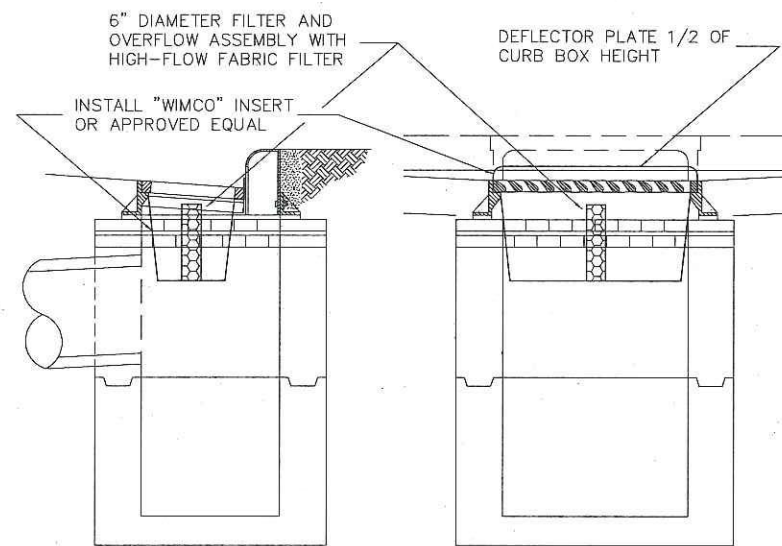




INTERIM SEDIMENT CONTROL FOR CATCH BASINS

NOTES:

1. INTERIM SEDIMENT CONTROL REQUIRED FOR THE IDENTIFIED NEW CATCH BASINS PRIOR TO CURB AND GUTTER CONSTRUCTION. BID ITEM 2573.602.
2. CONTRACTOR TO INSPECT "INTERIM SEDIMENT CONTROL FOR CATCH BASINS" EVERY 7 DAYS AND WITHIN 24 HOURS AFTER EVERY RAIN EVENT. CONTRACTOR SHALL REPLACE COARSE AGGREGATE AND/OR GEOTEXTILE IF IT BECOMES NONFUNCTIONAL AS A SEDIMENT CONTROL.
3. SUMPS SHALL BE KEPT FUNCTIONAL. CONTRACTOR SHALL CLEAN SUMP IF SEDIMENT IS WITHIN 12 INCHES OF OUTLET PIPE.

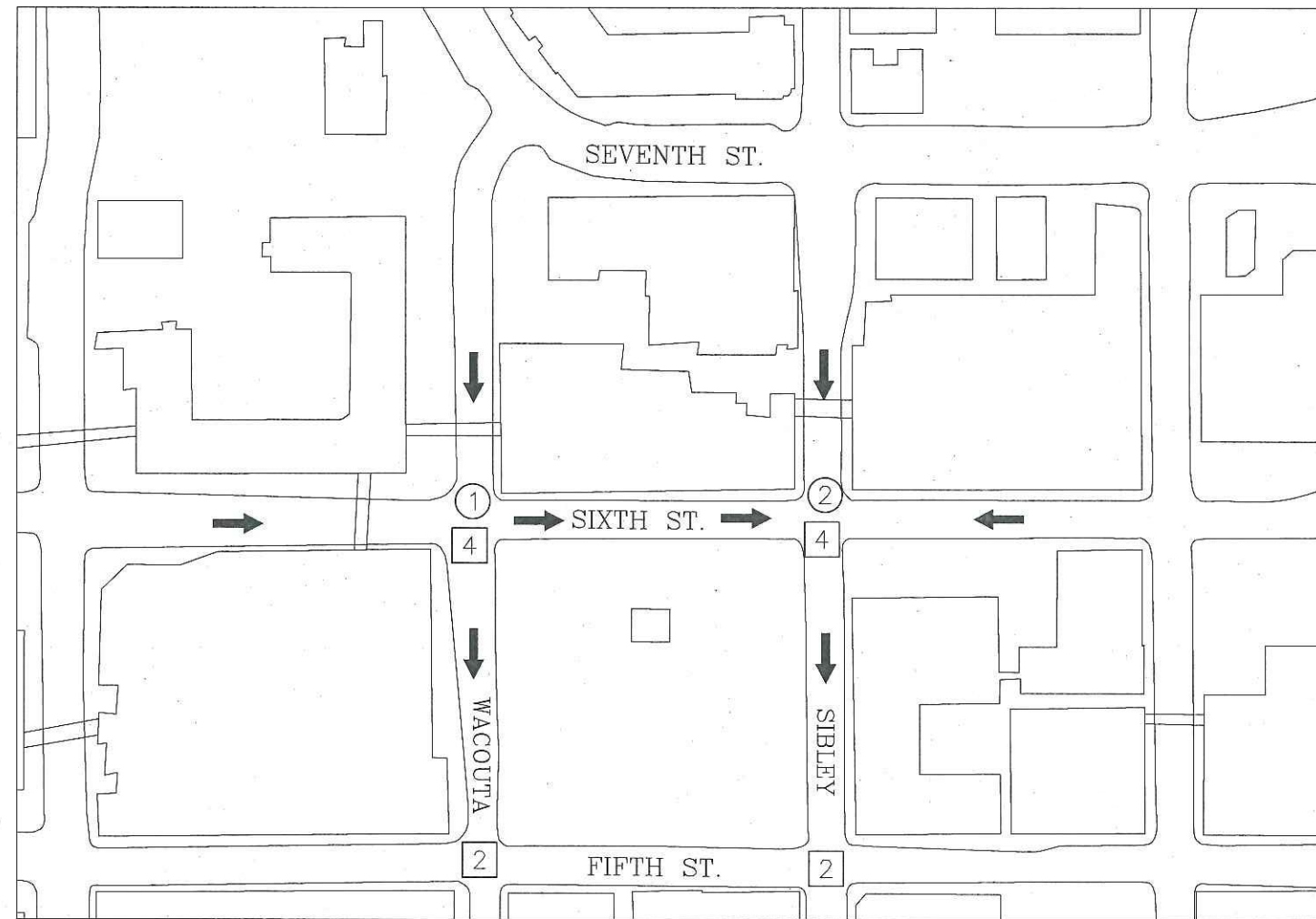


STORM DRAIN INLET PROTECTION

NOTES:

1. STORM DRAIN INLET PROTECTION REQUIRED FOR NEW CATCH BASINS AFTER CURB AND GUTTER CONSTRUCTION. BID ITEM 2573.530. STORM DRAIN INLET PROTECTION DEVICE SHALL BE "WIMCO" INSERT OR APPROVED EQUAL.
2. CONTRACTOR TO INSPECT "STORM DRAIN INLET PROTECTION" EVERY 7 DAYS AND WITHIN 24 HOURS AFTER EVERY RAIN EVENT. CONTRACTOR SHALL REPLACE OR CLEAN INSERT IF IT BECOMES NONFUNCTIONAL.
3. SUMPS SHALL BE KEPT FUNCTIONAL. CONTRACTOR SHALL CLEAN SUMP IF SEDIMENT IS WITHIN 12 INCHES OF OUTLET PIPE.
4. EXISTING CATCH BASINS AS IDENTIFIED SHALL ALSO RECEIVE STORM DRAIN INLET PROTECTION FROM THE TIME UPSTREAM CONSTRUCTION ACTIVITIES BEGIN UNTIL CLASS V IS PLACED ON THE ROADWAY AND THE BOULEVARDS HAVE BEEN RESTORED.

HPC REVIEW PLAN SET



LEGEND:

- ➔ DIRECTION OF FLOW
- ② INTERIM SEDIMENT CONTROL AND STORM DRAIN INLET PROTECTION FOR NEW CATCH BASINS SEE DETAIL (NO. INDICATES CB'S REQUIRING CONTROL)
- 2 EXISTING CATCH BASINS REQUIRING STORM DRAIN INLET PROTECTION SEE DETAIL (NO. INDICATES CB'S REQUIRING CONTROL.)

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| | | |
|----------|-----|---|
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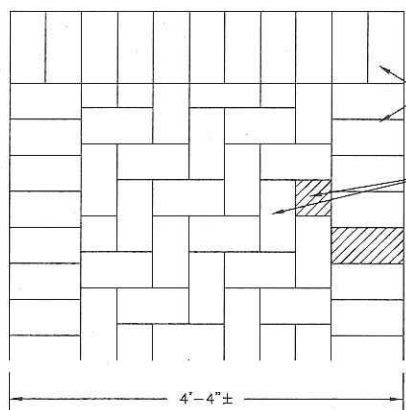
SIXTH STREET SIDEWALK WIDENING

| | |
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| PROJECT: 13-M-0687 | STATE AID PROJECT NUMBER: NA |
| DRAWER: 12 | CAD NAME: PROJECTS/CURRENT/SIXTH ST SW/EROSION |
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| SHEET NO. 6 OF 10 SHEETS | |



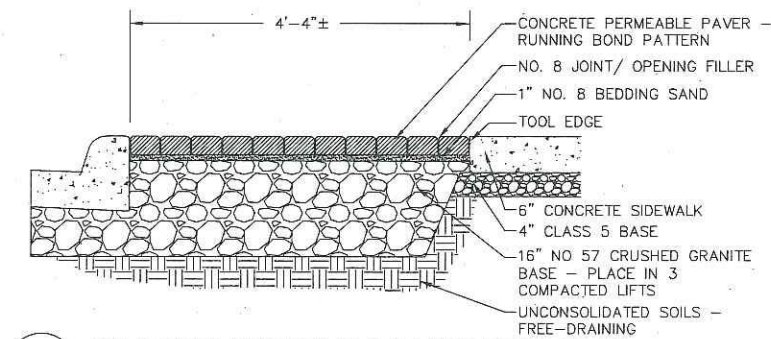
EROSION AND SEDIMENT CONTROL

PAVER TYPE 'A'



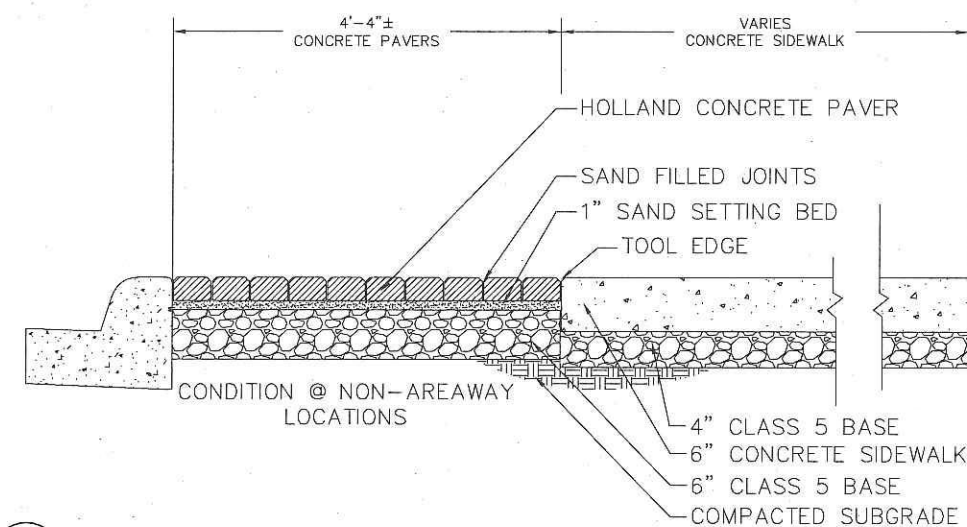
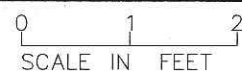
4"x8" HOLLAND PAVER IN SOLDIER COURSE PATTERN AROUND EDGES
COLOR TO BE GRANITE CITY OR APPROVED EQUAL

INTERIOR TO BE 4"x8" AND 4"x4" HOLLAND PAVERS IN HERRINGBONE PATTERN
COLOR TO BE GRANITE CITY OR APPROVED EQUAL

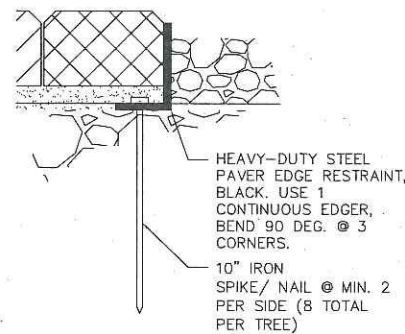


3 CONCRETE PERMEABLE PAVER EDGE BAND

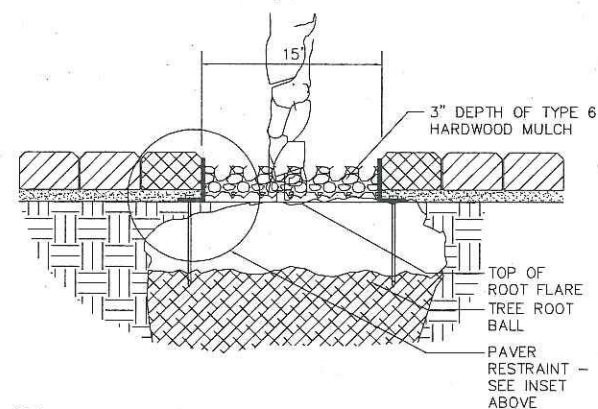
1 CONCRETE PAVER EDGE BAND PATTERN



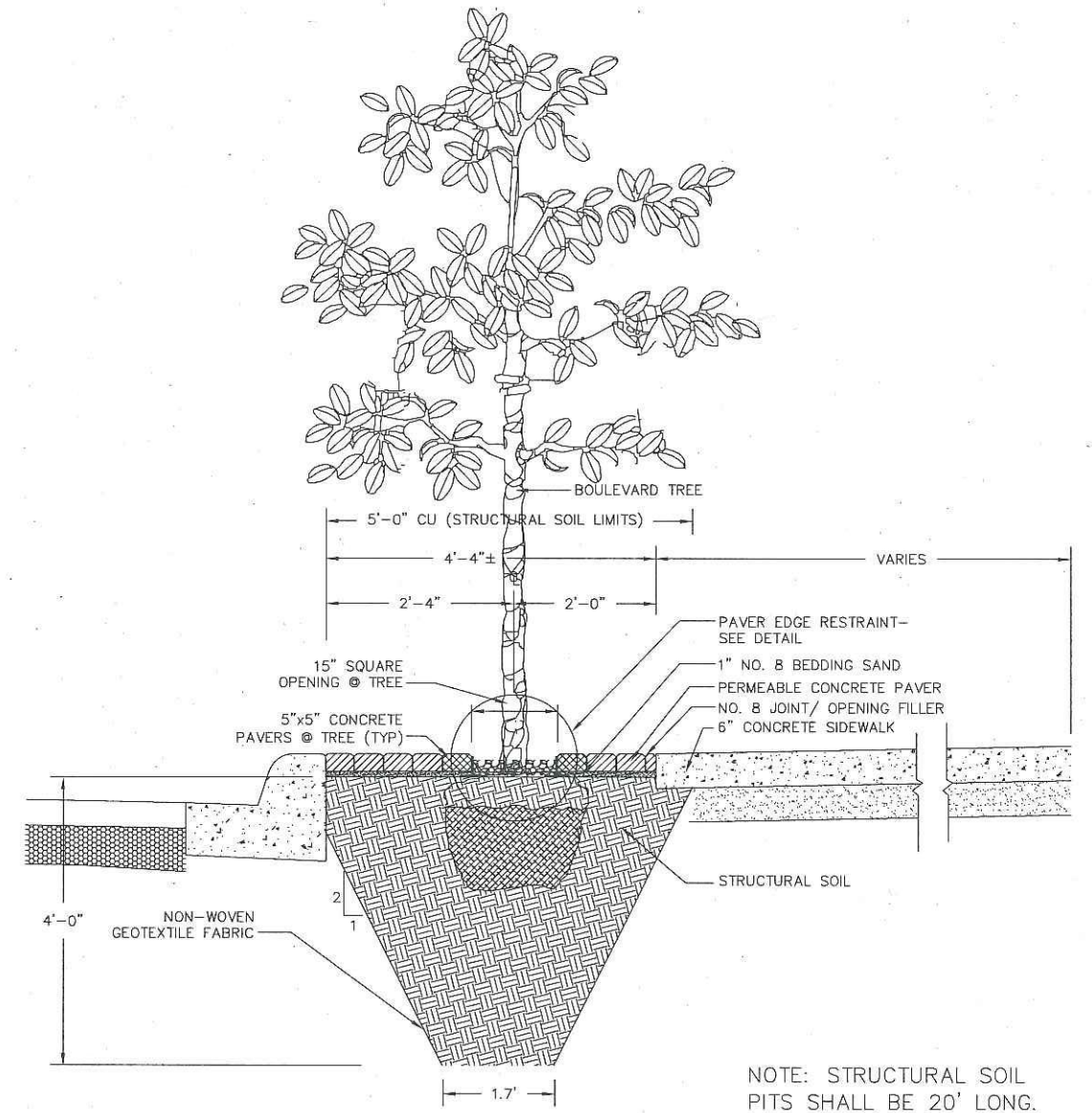
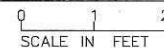
2 CONCRETE PAVER EDGE BAND



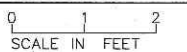
PAVER RESTRAINT INSET - N.T.S.



4 PAVER EDGE RESTRAINT



5 BOULEVARD TREE PLANTING / PAVER SECTION



NOTE: STRUCTURAL SOIL PITS SHALL BE 20' LONG.

HPC REVIEW PLAN SET

DECORATIVE BOULEVARD DETAILS
TREE PLANTER DETAILS

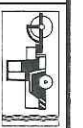
Z:\streets\projects\current\Sixth Street SW\DWG\Plan Set\Sixth St SW - Details.dwg Jan 08, 2013 - 2:58pm

| | | |
|----------|-----|--|
| DESIGNED | JPF | I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA Signature: <u>DANIEL A. HAAK</u> Date: 1/3/13 Lic. No. 17274 |
| DRAWN | JPF | |
| APPROVED | DAH | |

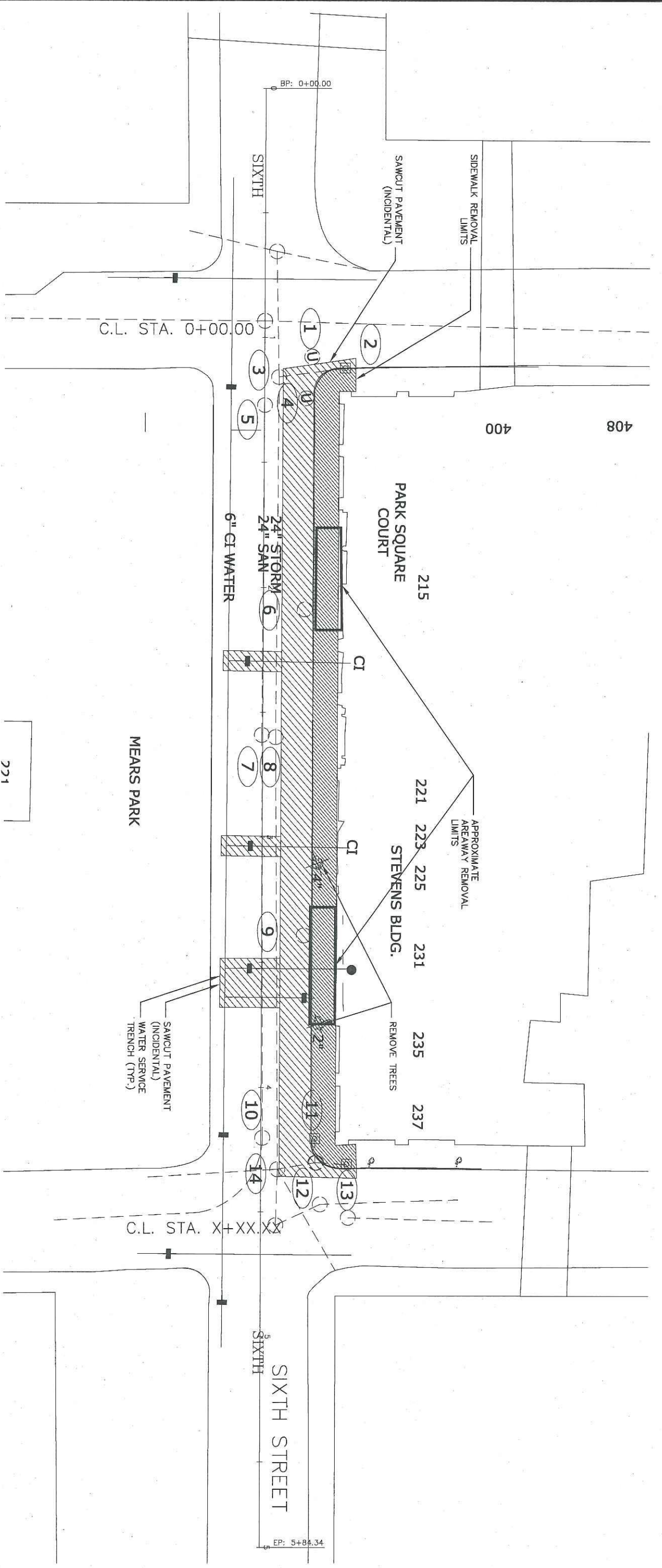
PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS

SIXTH STREET SIDEWALK WIDENING

| | |
|--------------------|--|
| PROJECT: 13-M-0687 | STATE AID PROJECT NUMBER: NA |
| DRAWER: 12 | CAD NAME: PROJECTS/CURRENT/SIXTH ST SW/DETAILS |
| DWG. NO. 1564 | DATE: 1/3/12 SHEET NO. 7 OF 10 SHEETS |



EXISTING AND REMOVAL PLAN

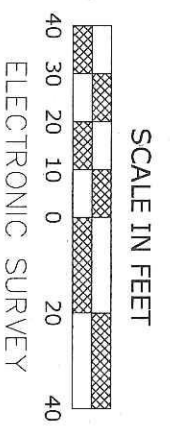


HPC REVIEW PLAN SET

| | | |
|----------------------------------|-----|--|
| DESIGNED | JPF | I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA |
| DRAWN | JPF | |
| APPROVED | DAH | |
| Signature: <i>Daniel A. Haak</i> | | Date: 1/3/13 |
| | | Lic. No. 17247 |

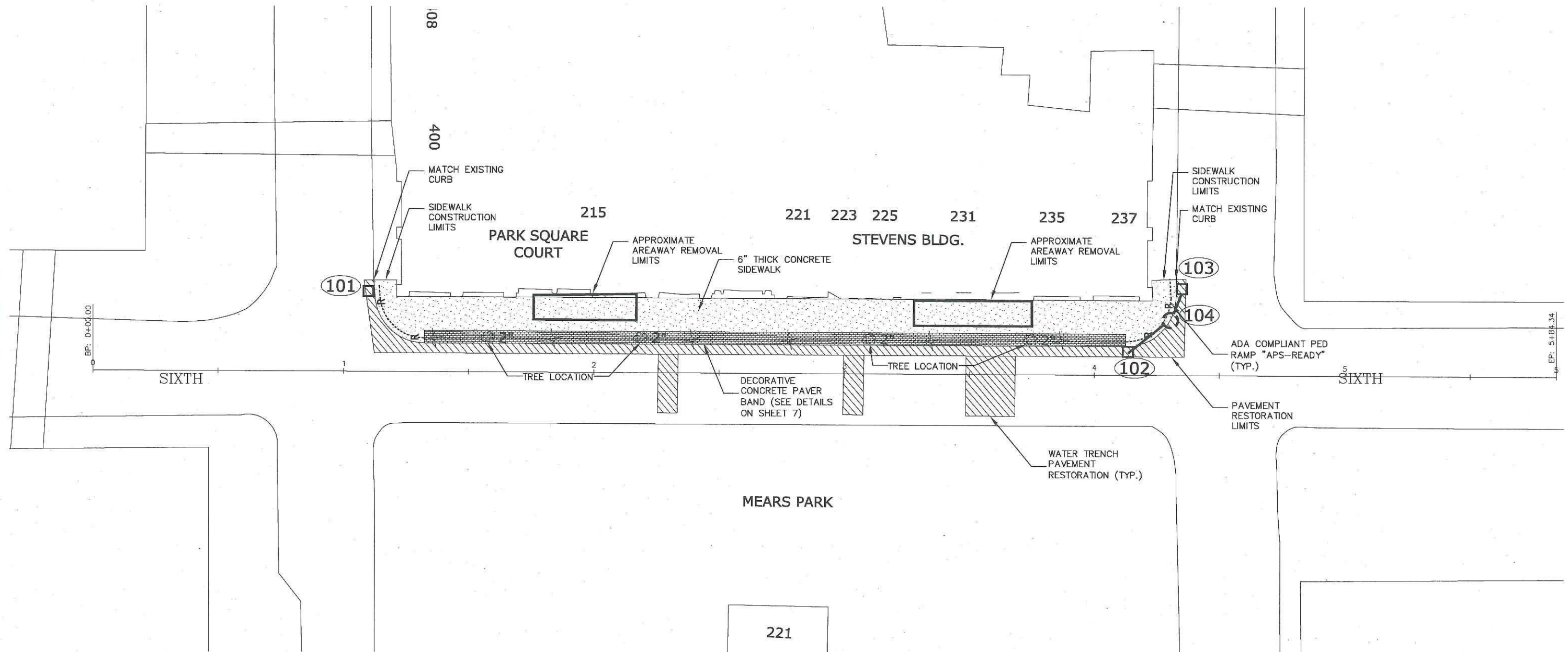
PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS
SIXTH STREET SIDEWALK WIDENING

| | | | |
|----------|-----------|---------------------------|-----------------------------------|
| PROJECT: | 13-M-0687 | STATE AID PROJECT NUMBER: | NA |
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| | | SHEET NO. | 8 OF 10 SHEETS |

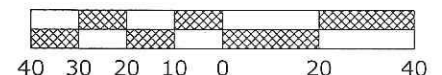


SIXTH STREET
 Sibley St. to Wacouta St.

CONSTRUCTION PLAN



SCALE IN FEET



ELECTRONIC SURVEY

HPC REVIEW PLAN SET

SIXTH STREET
Sibley St. to Wacouta St.

Z:\streets\projects\current\Sixth Street SW\DWG\Plan Set\Sixth St SW - BASE.dwg Jan 08, 2013 - 2:48pm



| | |
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| DESIGNED | JPF |
| DRAWN | JPF |
| APPROVED | DAH |

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Signature: DANIEL A. HAAK Date: 1/3/13
 Lic. No. 17247

PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS

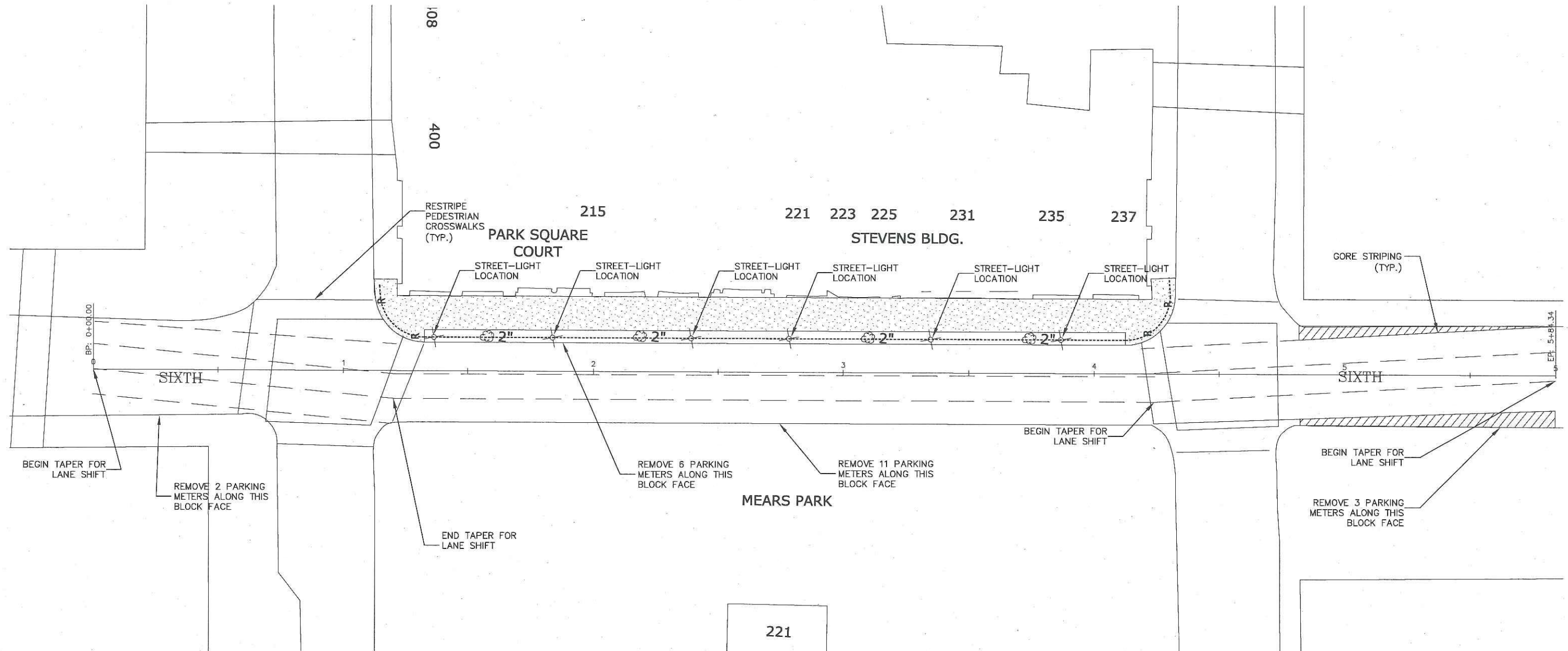
SIXTH STREET SIDEWALK WIDENING

PROJECT: 13-M-0687
 DRAWER: 12
 DWG. NO. 1564

STATE AID PROJECT NUMBER: NA
 CAD NAME: PROJECTS/CURRENT/SIXTH ST SW/BASE
 DATE: 1/3/13
 SHEET NO. 9 OF 10 SHEETS



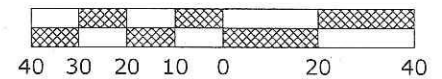
CONSTRUCTION PLAN



HPC REVIEW PLAN SET



SCALE IN FEET



ELECTRONIC SURVEY

SIXTH STREET
Sibley St. to Wacouta St.

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| | |
|----------|-----|
| DESIGNED | JPF |
| DRAWN | JPF |
| APPROVED | DAH |

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Signature: DANIEL A. HAAK Date: 1/3/13
 DANIEL A. HAAK Lic. No. 17247

PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS

SIXTH STREET SIDEWALK WIDENING

PROJECT: 13-M-0687
 DRAWER: 12
 DWG. NO. 1564

STATE AID PROJECT NUMBER: NA
 CAD NAME: PROJECTS/CURRENT/SIXTH ST SW/BASE
 DATE: 1/3/13
 SHEET NO. 10 OF 10 SHEETS

