

CITY OF NORTHFIELD ENGINEERING DIVISION

2017 STREET RECLAMATION PROJECT

CITY PROJECT 2017STRT-A36

RESOURCE LIST

CITY OF NORTHFIELD

City Hall

801 Washington Street
Northfield, MN 55057
507-645-8833

City Administrator:

Ben Martig

Mayor:

Rhonda Pownell

City Council Members:

Suzie Nakasian (1st Ward)
David DeLong (2nd Ward)
Erica Zweifel (3rd Ward)
Jessica Peterson White (4th Ward)
Brad Ness (At-Large)
Greg Colby (At-Large)

Public Works Director/ City Engineer:

David Bennett
507-645-3006

Engineering Manager:

Sean Simonson
507-645-3049

Streets & Parks Manager

Tim Behrendt
507-645-3027

Utilities Manager

Justin Wagner
507-645-3083



NOTE: DRAWING NOT TO SCALE

| DESIGNED N.J.B | REV. | BY | DATE |
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| DRAWN N.J.B | | | |
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PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 – 2017 STREET RECLAMATION PROJECT

TITLE SHEET

GOVERNING SPECIFICATIONS
THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF
TRANSPORTATION STANDARD SPECIFICATION FOR CONSTRUCTION
DIVISIONS II & III & THE SUPPLEMENTAL SPECIFICATIONS.

ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN
ACCORDANCE TO THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC
CONTROL DEVICES" (MMUTCD)
THE 2011 EDITION OF "STANDARD CONTRACT DOCUMENTS AND
TECHNICAL SPECIFICATIONS FOR UTILITY AND STREET
CONSTRUCTION FOR CITY OF NORTHFIELD, MINNESOTA.

SHEET INDEX

| | |
|-----------|---------------------------------------|
| G001 | TITLE |
| G002 | LEGEND |
| C001-C014 | TYPICAL SECTIONS & DETAILS |
| C100-C106 | REMOVAL PLAN |
| C200-C208 | STORM WATER POLLUTION PREVENTION PLAN |
| C400-C401 | UTILITY PLAN |
| C600-C606 | RECLAMATION PLAN |
| C700-C711 | CROSS SECTIONS |

THIS PLAN CONTAINS 53 SHEETS

NOTE:

EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN
HAS BEEN PROVIDED BY THE UTILITY OWNER. THE
CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS
PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED
BY STATE LAW. NOTIFY GOPHER STATE ONE-CALL AT
1-800-252-1166 OR 651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS
UTILITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS
DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE
38-02, ENTITLED "STANDARD GUIDELINES FOR THE
COLLECTION AND DEPICTION OF EXISTING SUBSURFACE
UTILITY DATA."

UTILITIES:

| GAS | TELEPHONE |
|---------------------|--------------------------|
| XCEL ENERGY | CENTURY LINK |
| 2763 1ST AVENUE NW | 6244 CEDAR AVE. SOUTH |
| FARIBAULT, MN 55021 | RICHFIELD, MN 55423 |
| (507) 334-2923 | (507) 285-2070 |
| JEFF KNIPPEL | SCOTT MACGLASHIN |
| ELECTRIC | CABLE |
| XCEL ENERGY | CHARTER COMMUNICATIONS |
| 2763 1ST AVE. NE | 16900 CEDAR AVENUE SOUTH |
| FARIBAULT, MN 55021 | ROSEMOUNT, MN 55068 |
| (507) 334-2942 | (612) 919-1616 |
| JERRY WEISS | CHUCK SNYDER |

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

SIGNATURE: APPROVED: David E. Bennett, P.E. CITY ENGINEER

DATE: XX/XX/XXXX REG. NO. 45867

SHEET
G001

EXISTING

| | | | | | |
|------|--------------------------|-------|--------------------------|------|-------------------------|
| ○ | IRON PIPE MONUMENT SET | □ | EXHAUST VENT | ● SB | SOIL BORING |
| ● | MONUMENT FOUND | ~ | FLAG POLE | ○ | SEMAPHORE TRAFFIC LIGHT |
| ● | CAST IRON MONUMENT FOUND | ○ FP | FILL PIPE | ☒ | SPRINKLER HEAD |
| ■ | STONE MONUMENT FOUND | ○ | GAS FILL PIPE | ☒ | SIGNAL BOX |
| ❖ | BENCH MARK | □ | GAS FILL PIPE | ○ RR | SIGNAL POLE - RR |
| ○ | AUTO SPRINKLER | ○ GAS | GAS VALVE | ○ | SIREN |
| ○ | ANTENNA | □ | GAS METER | ☒ T | TELEPHONE PEDESTAL |
| ☒ | AIR CONDITIONER | ■ | ACCESS GRATE | ☒ | PUBLIC TELEPHONE |
| ○ | ANCHOR | ○ | HANDICAPPED PARKING | ☒ | TILE INLET |
| ○ AP | AIR PUMP | □ | HAND HOLE | ☒ | TRAFFIC ARM BARRIER |
| ▷ | APRON | ○ | HORSE SHOE PIT | ☒ | TRAFFIC SIGN |
| ○ | BASKETBALL HOOP | ○ | HYDRANT | ☒ | TRANSMISSION TOWER |
| ☒ | BIRD FEEDER | ○ | IRRIGATION CONTROL VALVE | ☒ TV | CATV PEDESTAL |
| ☒ | BENCH | ○ | LIGHT DECORATIVE | ○ TW | TEST WELL |
| ○ | BRACE POLE | ○ | LIGHT POLE | ○ TW | UTILITY POLE |
| ☒ | CATCH BASIN | ○ | MAILBOX | ○ | VACUUM |
| ○ | CLOTHES LINE POLE | □ | METER | ○ V | VENT PIPE |
| △ | CONTROL POINT | ○ | POST | ○ | DECIDUOUS TREE |
| ○ | CLEAN OUT | ○ | MANHOLE | ○ | CONIFEROUS TREE |
| ○ | CURB STOP VALVE | ○ | LIFT STATION MANHOLE | ○ | STUMP |
| ○ | DITCH TOP | ○ | MONITORING WELL | ○ | BUSH |
| ○ DF | DRINKING FOUNTAIN | △ | ORDER MICROPHONE | ○ | WELL |
| ○ DS | DOWN SPOUT | □ | PARK GRILL | □ | WATER METER |
| ○ | ELECTRIC METER | □ | GAS PUMP | ○ WT | WATER SPIGOT |
| ☒ E | ELECTRIC PEDESTAL | ○ PIV | POST INDICATOR VALVE | ☒ | WATER VALVE |
| ☒ | ELECTRIC TRANSFORMER | ○ | PARKING METER | ○ | WETLAND / MARSH |
| | | ○ | SATELLITE DISH | △ | WETLAND - DELINEATED |

PROPOSED

| | | | | |
|-------|---|-----------------------------|--------|----------------------|
| 22+00 | 1 | ALIGNMENT/CENTERLINE | 6" WMN | WATERMAIN |
| | | RIGHT-OF-WAY LINE | | WATERMAIN SERVICE |
| | | TEMPORARY EASEMENT | ● | WATER SYSTEM MANHOLE |
| | | CONSTRUCTION LIMITS | ○ | HYDRANT |
| | | CURB & GUTTER | ○ | HYDRANT W/ VALVE |
| | | BITUMINOUS EDGE | ☒ | VALVE |
| | | CONCRETE EDGE | ○ | CURBSTOP |
| | | GRAVEL EDGE | ☒ | BEND |
| | | SILT FENCE-PREASSEMBLED | ☒ | REDUCER |
| | | SILT FENCE-HEAVY DUTY | ☒ | CROSS |
| | | EROSION PROTECTION AT INLET | ☒ | TEE |
| | | MANHOLE | □ | PLUG |
| | | CATCH BASIN | — | SLEEVE |
| | | STORM INLET | — | SIGN |
| | | APRON | ● | LIGHT POLE |
| | | STORM SEWER | — | GUARD RAIL |
| | | PERFORATED PIPE DRAIN | ○ 23 | SOIL BORING |
| | | STORM DRAIN TILE | ● | WETLAND |
| | | CULVERT W/APRON | ○ | BUSH |
| | | STORM MANHOLE NUMBER | ● | CONIFEROUS TREE |
| | | SANITARY SEWER | ● | DECIDUOUS TREE |
| | | SANITARY FORCemain | | |
| | | SANITARY SEWER SERVICE | | |
| | | SANITARY LIFT STATION | | |
| | | SANITARY MANHOLE | | |
| | | SANITARY MANHOLE NUMBER | | |

| | | | |
|---------------|----------------------------|-----------|----------------------------|
| —EO— | OVERHEAD ELECTRIC LINE | — — — — — | ADJACENT LINES |
| —EU— | UNDERGROUND ELECTRIC LINE | — — — — — | EASEMENT LINE |
| —G— | GAS LINE | — — — — — | BUILDING SETBACK LINE |
| —F— | FIBER OPTIC LINE | —x—x—x—x— | FENCE LINE |
| —TF— | TELEPHONE FIBER OPTIC | — — — — — | GUARD RAIL |
| —TU— | UNDERGROUND TELEPHONE LINE | —○—○— | ACCESS CONTROL LINE |
| —TVO— | OVERHEAD CATV LINE | — — — — — | CENTERLINE |
| —TVU— | UNDERGROUND CATV LINE | — — — — — | PROPERTY / LOT LINE |
| —I—I—I—I—I— | WATER SYSTEM | — — — — — | ROAD RIGHT-OF-WAY LINE |
| —>—>—>— | STORM SEWER | — — — — — | RAILROAD RIGHT-OF-WAY LINE |
| —>—>—>— | TILE LINE | — — — — — | GRAVEL EDGE |
| —>—>—>— | SANITARY SEWER | — — — — — | BITUMINOUS EDGE |
| —II—II—II—II— | SANITARY FORCemain | — — — — — | CONCRETE EDGE |
| ===== | CULVERT | — — — — — | CURB & GUTTER |
| ----- | INTERMEDIATE CONTOURS | — — — — — | WATER EDGE |
| ----- | INDEX CONTOURS | — — — — — | WATER CENTERLINE |
| ----- | COUNTY LINE | — — — — — | HIGHWATER LINE |
| ----- | CITY LIMITS | — — — — — | WETLAND EDGE |
| ----- | SIXTEENTH LINE | — — — — — | SWALE CENTERLINE |
| ----- | QUARTER LINE | | RAILROAD TRACKS |
| ----- | SECTION LINE | ~~~~~ | TREE LINE EDGE |

| | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|------|----|------|
| I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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. | | DESIGNED N.J.B | REV. | BY | DATE |
| DAVID E. BENNETT LIC. NO. 45867 | | DRAWN N.J.B | | | |
| DATE XX/XX/XXXX | | CHECKED S.M.S. | | | |



PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 — 2017 STREET RECLAMATION PROJECT
LEGEND

SHEET
G002

TRAFFIC CONTROL AND STRIPING NOTES:

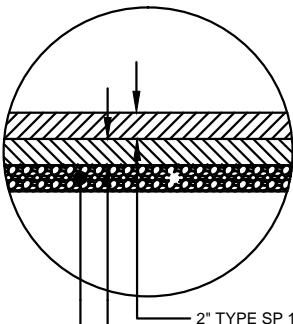
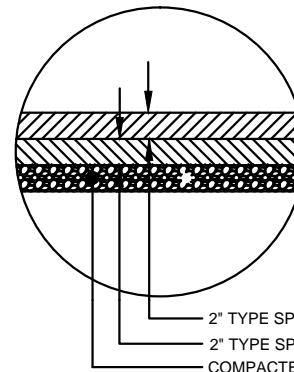
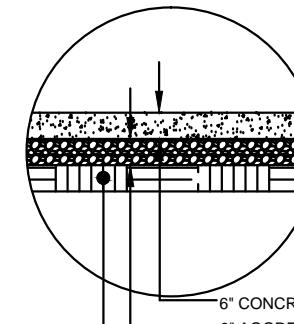
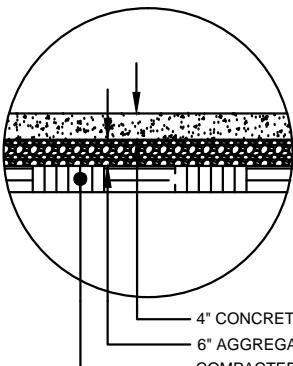
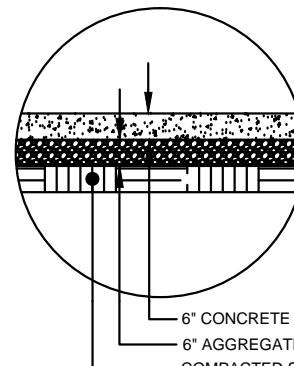
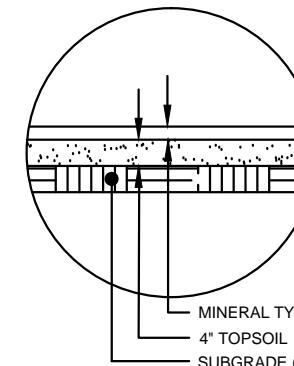
- 1.) ALL PERMANENT PAVEMENT MARKINGS ARE TO BE EPOXY. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT THE PROPOSED STRIPPING.
- 2.) TEMPORARY PAVEMENT MARKING CAN BE PAINT AND SHALL CONFORM TO THE STRIPING PLAN AND BE INCIDENTAL TO THE PROJECT.
- 3.) ALL TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE LATEST VERSION OF THE MMUTCD MANUAL.
- 4.) ALL ACCESS POINTS TO THE PROJECT THAT ARE UNDER CONSTRUCTION SHALL HAVE A MINIMUM OF 3 TYPE 3 BARRICADES WITH FLASHERS. AT LEAST 1 TYPE III BARRICADE SHALL HAVE A ROAD CLOSED TO THRU TRAFFIC PLACARD.
- 5.) ALL CLOSED ROADS SHALL HAVE ADVANCED WARNING SIGNS WITH FLASHERS PLACED AT ADJOINING INTERSECTIONS TO THE PROJECT AREA.
- 6.) AFTER RECLAMATION OPERATIONS HAVE BEEN COMPLETED, ALL EXISTING MANHOLES AND GATE VALVES SHALL HAVE A BARREL EQUIPPED WITH A FLASHER OR TYPE II FLASHING BARRICADE PLACED ON TOP. CONES WILL NOT BE ACCEPTABLE.
- 7.) ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED BY THE ENGINEER AND SHALL BE INCIDENTAL TO THE PROJECT.

REMOVAL NOTES:

- 1.) ALL EXISTING DRIVEWAYS, STREET SURFACING, SIDEWALKS, AND CURB & GUTTER SHALL BE REMOVED TO THE REMOVAL LIMITS MARKED IN THE FIELD BY THE ENGINEER UNLESS OTHERWISE NOTED ON THE PLANS. ALL CONCRETE AND BITUMINOUS SHALL BE SAW CUT PRIOR TO REMOVING, ALL CONCRETE TO BE SAW CUT TO THE NEAREST JOINT. ALL SAW CUTS SHALL BE INCIDENTAL TO REMOVAL ITEMS.
- 2.) EXISTING SANITARY SEWER LINES, STORM SEWER LINES, STORM MANHOLES, SANITARY MANHOLES, CATCH BASINS, AND CATCH BASIN MANHOLES SHALL BE REMOVED TO THE CONSTRUCTION LIMITS OR AS NOTED ON THE PLANS. ABOVE ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- 3.) THE CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE ANY TREES OR BUSHES. TREES AND BUSHES TO BE REMOVED WILL BE MARKED BY THE ENGINEER IN THE FIELD. ANY ROOTS EXPOSED OR REMOVED BY EXCAVATION SHALL BE IMMEDIATELY SAW CUT AND SEALED TO PREVENT FURTHER DAMAGE TO THE TREE. ROOTS SHALL NOT BE LEFT EXPOSED WITHOUT SOIL COVER FOR MORE THAN 24 HOURS.
- 4.) THE CONTRACTOR SHALL STRICTLY CONFINE ALL CONSTRUCTION ACTIVITIES TO THE CONSTRUCTION LIMITS DELINEATED ON THE PLANS.
- 5.) EXISTING SIDEWALKS AND DRIVEWAYS SHALL NOT BE REMOVED PRIOR TO 72 HOURS BEFORE THEIR REPLACEMENT. TEMPORARY SIDEWALK OR DRIVEWAY AGGREGATE MAY BE REQUIRED IF THERE IS A DELAY BETWEEN REMOVAL AND REPLACEMENT ACTIVITIES. ALL COSTS ASSOCIATED WITH PROVIDING TEMPORARY SIDEWALKS OR DRIVEWAYS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 6.) STREET NAME SIGNS LOCATED ON THE PROJECT SHALL REMAIN IN PLACE AS LONG AS POSSIBLE UNLESS TRAFFIC CONTROL NECESSITATES REMOVAL. EXISTING STREET SIGNS MAY BE REQUIRED TO BE RESET DURING PHASES OF CONSTRUCTION FOR PUBLIC SAFETY.
- 7.) ALL KNOWN UTILITIES ARE SHOWN ON THE PLAN, ADDITIONAL UTILITIES MAY BE PRESENT WITHIN THE CONSTRUCTION LIMITS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR WORKING AROUND KNOWN AND UNKNOWN UTILITIES.
- 8.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, TEMPORARY PLACEMENT, MAINTENANCE AND REINSTALLATION OF ALL MAIL BOXES WITHIN THE PROJECT AREA AND WILL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL FOR THE PROJECT.
- 9.) THE CONTRACTOR SHALL REPLACE ANY DAMAGED SPRINKLER SYSTEMS AT THE UNIT PRICE BID. IRRIGATION SYSTEMS OUTSIDE DISTURBANCE AREA SHOULD BE PROTECTED NO COMPENSATION FOR THOSE REPAIRS.

CONSTRUCTION NOTES:

- 1.) MATCH ALL EXISTING CURB AND GUTTER, SIDEWALK, AND BITUMINOUS. MATCH POINT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 2.) ALL RADII SHALL BE 20' UNLESS NOTED DIFFERENTLY ON THE PLANS.
- 3.) EXISTING UTILITIES DO EXIST WITHIN THE CONSTRUCTION LIMITS, KNOWN UTILITIES ARE MARKED ON THE PLAN. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITIES COMPANIES EXISTING AND PROPOSED FACILITIES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY ADDITIONAL WORK OR DELAYS CAUSED BY THE WORK OF UTILITY COMPANIES.
- 4.) NEW DRIVEWAY LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, NEW DRIVEWAYS SHALL NOT EXCEED 10% GRADE AT ANY POINT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH AND CONFORM TO REQUIRED GRADES.
- 5.) NEW SIDEWALK LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, NEW SIDEWALKS SHALL NOT EXCEED A 5% GRADE AT ANY POINT LONGITUDINALLY OR 1.5% CROSS SLOPE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH AND CONFORM TO REQUIRED GRADES.
- 6.) NEW PEDESTRIAN RAMPS WILL BE LOCATED IN THE FIELD BY THE ENGINEER, RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TYPICAL DETAILS LOCATED IN THE CITY STANDARD TECHNICAL SPECIFICATIONS, ADA REQUIREMENTS, MN/DOT STANDARD PLATES, AND PROWAG.
- 7.) RETAINING WALL LOCATION AND HEIGHT TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 8.) TEMPORARY PEDESTRIAN AND VEHICLE CROSSINGS SHALL BE INSTALLED BY THE CONTRACTOR, LOCATIONS SHALL BE SPECIFIED IN THE FIELD BY THE ENGINEER. PAYMENT OF AGGREGATE SHALL INCLUDE ALL EXPENSES FOR FURNISHING, INSTALLING, AND MAINTAINING AGGREGATE FOR CROSSINGS.
- 9.) INTERSECTION GRADING TO BE DETERMINED IN THE FIELD BY THE ENGINEER. BOULEVARD GRADES OR BE ADJUSTED IN THE FIELD BY THE ENGINEER TO MATCH EXISTING GRADES BETTER.
- 10.) THE CONTRACTOR SHALL VERIFY ALL WATERMAIN, STORM, AND SANITARY CONNECT TO EXISTING LOCATIONS AND ELEVATIONS PRIOR TO CONNECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM PLAN. NO ADDITIONAL COMPENSATION SHALL BE GIVEN FOR ELEVATION AND/OR LOCATION CHANGES, EXCEPT THAT ADDITIONAL LENGTHS SHALL BE PAID AT BID UNIT PRICES.
- 11.) THE CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE ANY TREES, BUSHES OR LANDSCAPING. TREES OR BUSHES TO BE REMOVED WILL BE MARKED IN THE FIELD BY THE ENGINEER.
- 12.) MANHOLES ARE STATIONED TO CENTER OF STRUCTURE AND CATCH BASINS ARE STATIONED TO CENTER OF STRUCTURE AT BACK OF CURB.
- 13.) SEE CROSS SECTIONS FOR APPROXIMATE WALL HEIGHT. FINAL ELEVATIONS TO BE DETERMINED IN THE FIELD. NO WALLS OVER 48" INCHES IN HEIGHT SHALL BE CONSTRUCTED.

12' RECLAIM SECTION
PROFESSIONAL DRIVESIBLEY VIEW LANE, SIBLEY VIEW COURT, MARVIN LANE,
NEVADA STREET, NINTH STREET, MAPLE STREETSIDEWALK SECTION THRU DRIVEWAYSIDEWALK SECTIONDRIVEWAY SECTION/VALLEY GUTTER SECTIONSODDING SECTION

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DAVID E. BENNETT
LIC. NO. 45867
DATE XX/XX/XXXX

DESIGNED
N.J.B
REV.
BY
DATE

DRAWN
N.J.B
REV.
BY
DATE

CHECKED
S.M.S
REV.
BY
DATE



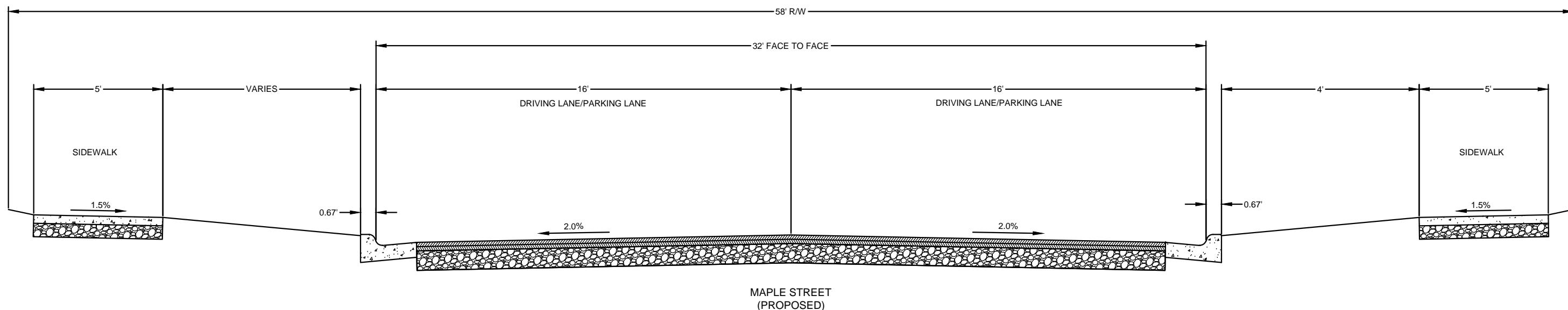
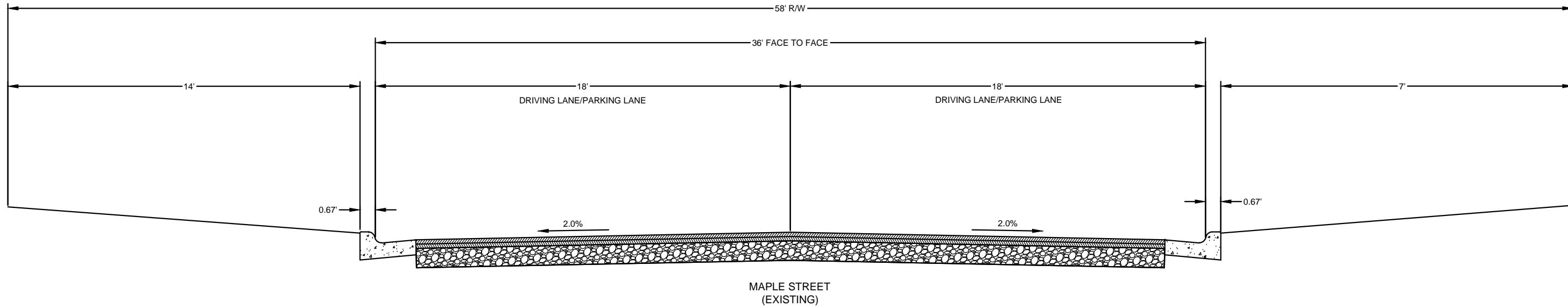
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA

2017STRT-A36 – 2017 STREET RECLAMATION PROJECT

DETAILS

SHEET
C001



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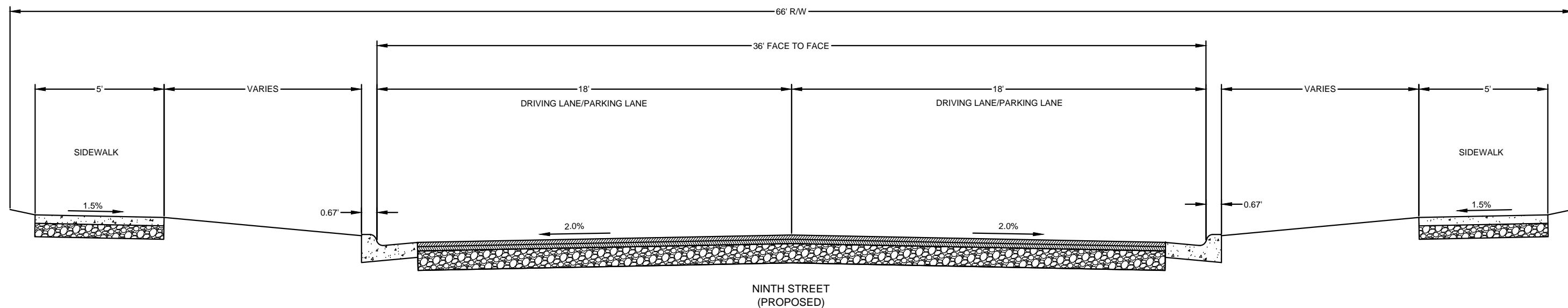
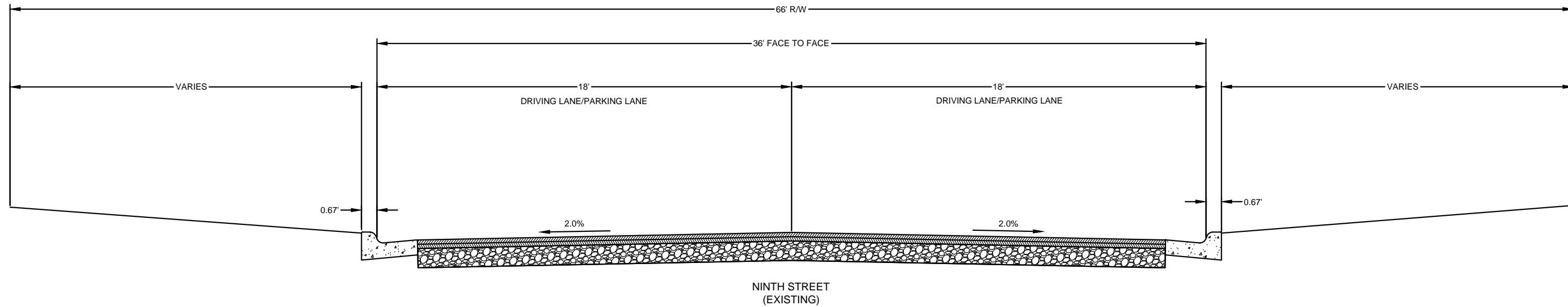
PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA

2017STRT-A36 - 2017 STREET RECLAMATION PROJECT

DETAILS

SHEET
C002



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DAVID E. BENNETT
LIC. NO. 45867
DATE XX/XX/XXXX

DESIGNED
N.J.B

REV.
BY
DATE

DRAWN
N.J.B

CHECKED
S.M.S

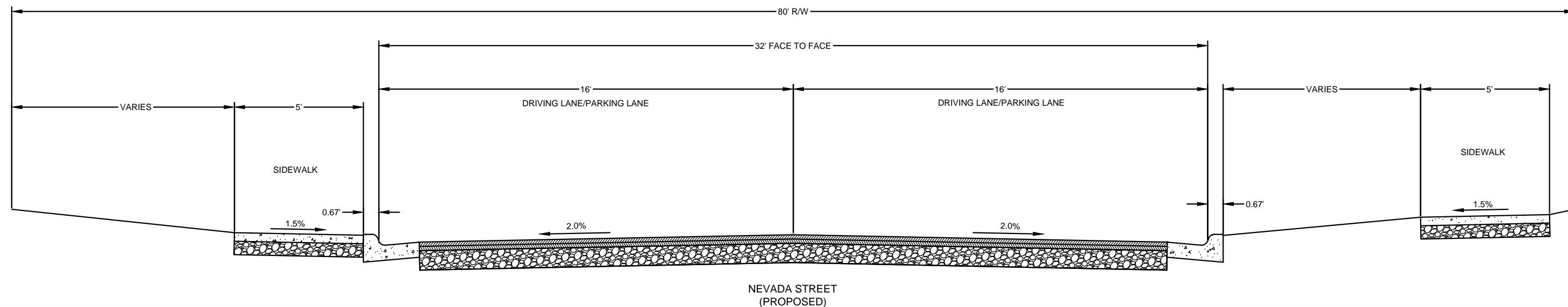
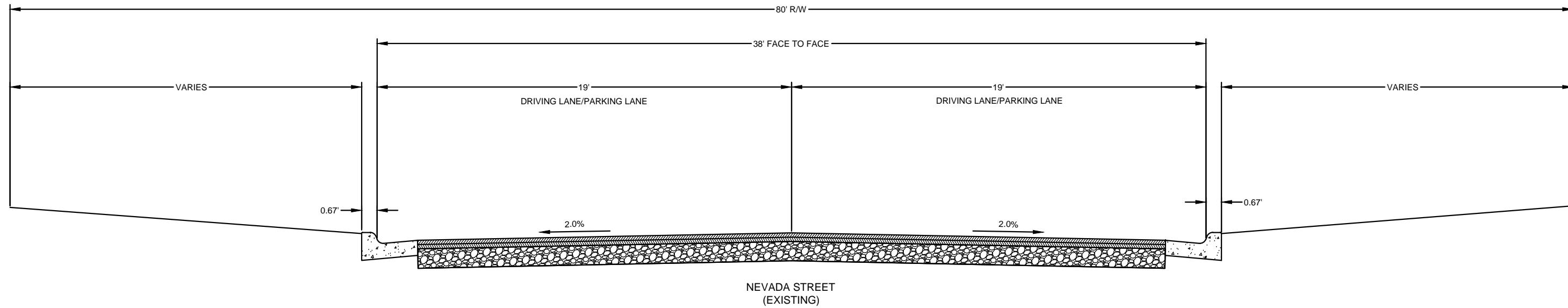


PUBLIC WORKS
DEPARTMENT
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CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT

DETAILS

SHEET
C003



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DAVID E. BENNETT
LIC. NO. 45867
DATE XX/XX/XXXX

| DESIGNED N.J.B | REV. | BY | DATE |
|-------------------|------|----|------|
| DRAWN N.J.B | | | |
| CHECKED S.M.S | | | |

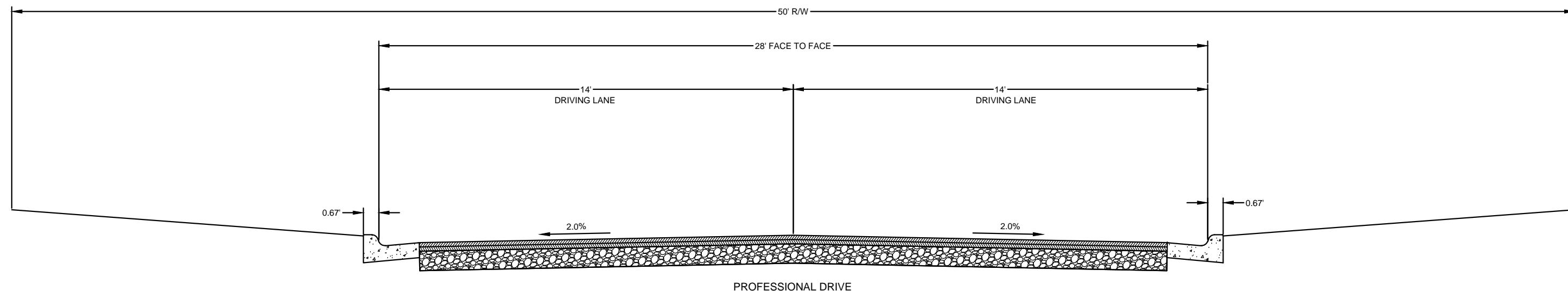
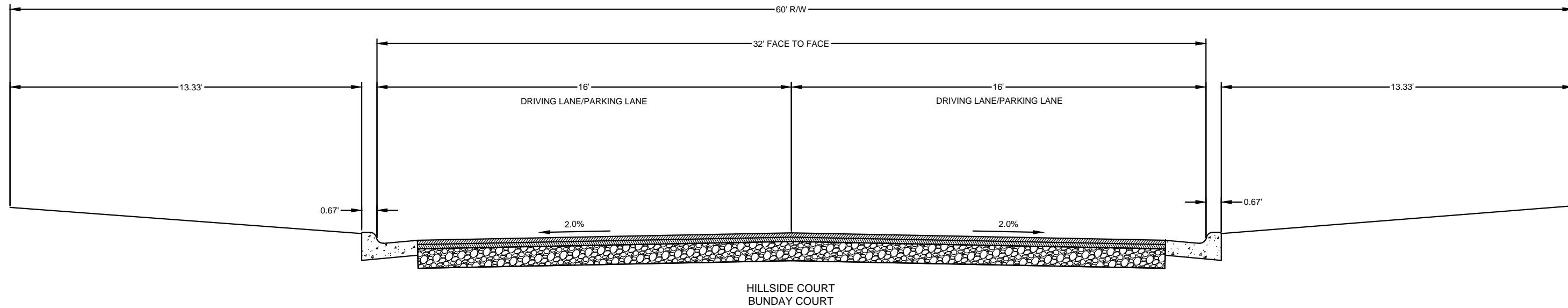


PUBLIC WORKS
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CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT

DETAILS

SHEET
C004



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2017 A36 Reclamation (1)

LIC. NO. 45867 DATE XX/XX/XXXX

DESIGNED
N.J.B
DRAWN
N.J.B
CHECKED
S.M.S

REV.

BY

DATE

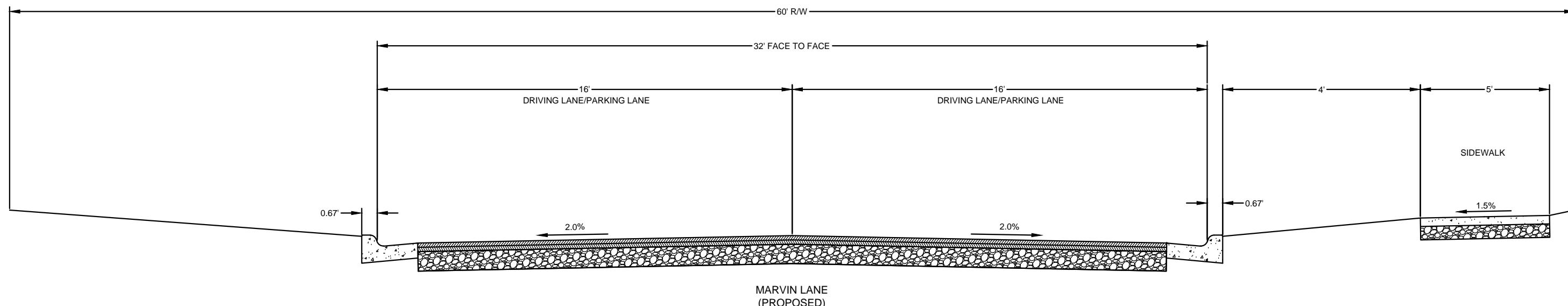
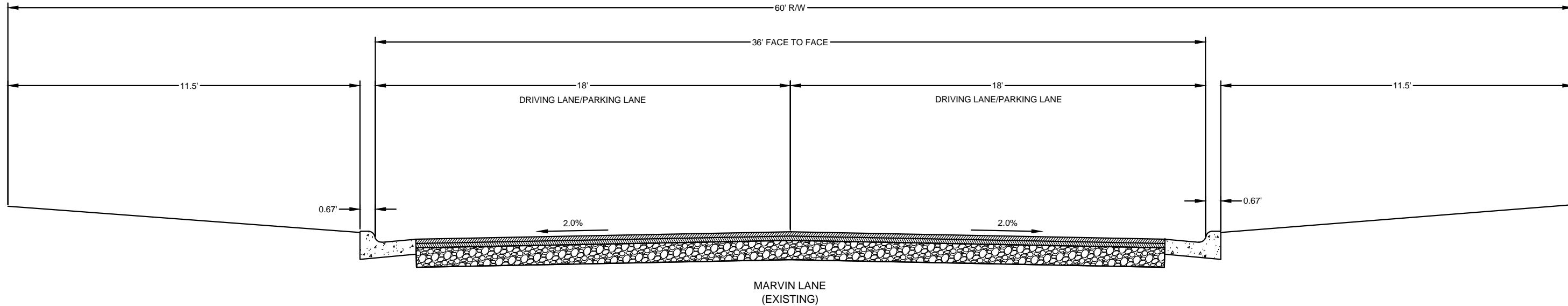


PUBLIC WORKS
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CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT

DETAILS

SHEET
C005



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| | | | |

| DRAWN N.J.B | | | |
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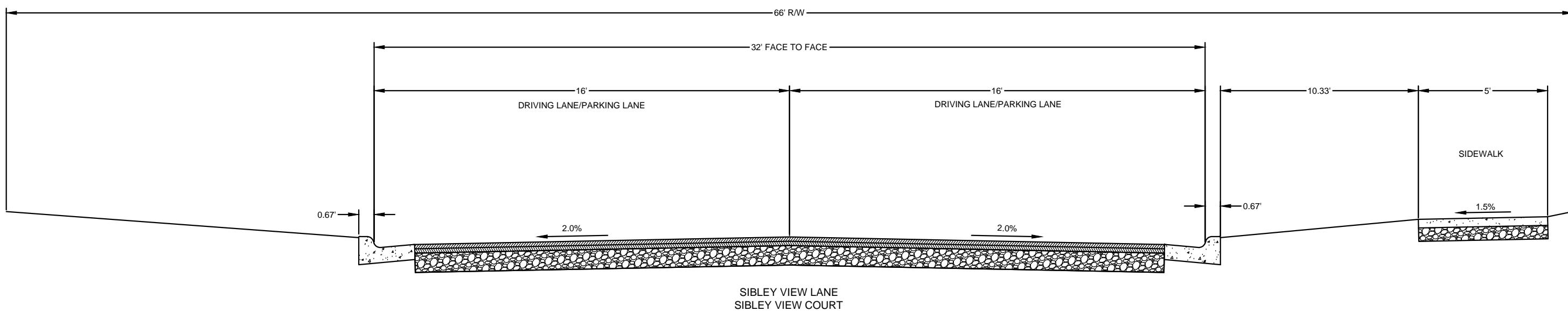
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PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT
DETAILS

SHEET
C006



NOTE: DRAWING NOT TO SCALE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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.

ARED
SED

DAVID E. BENNETT
HC. NO. 45867 DATE XX/XX/XXX

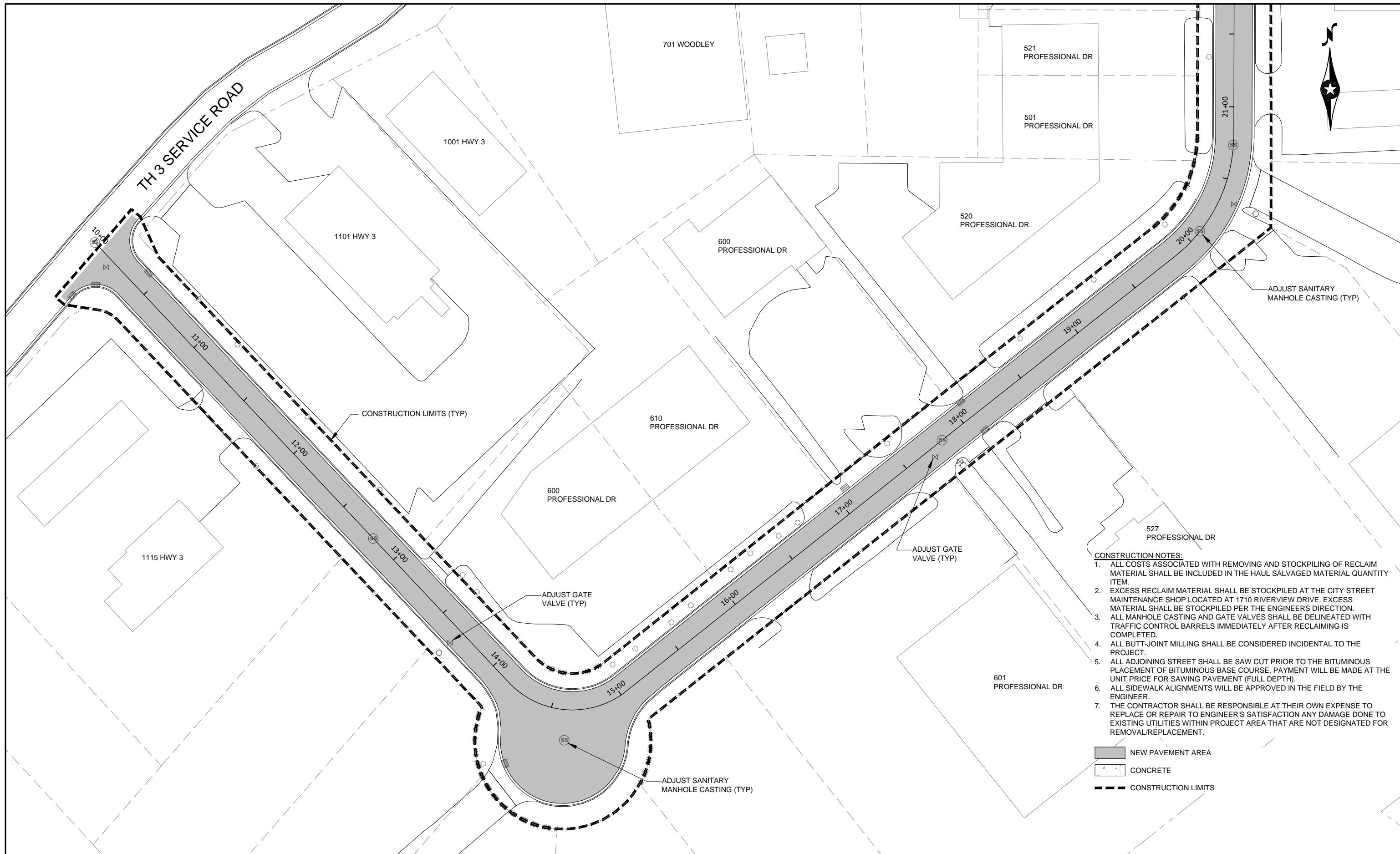


**PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION**

CITY OF NORTHFIELD, MINNESOTA

2017STRT-A36 - 2017 STREET RECLAMATION PROJECT

DETAILS



0 30 60
HORIZ. SCALE FEET

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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.
DAVID E. BENNETT
LIC. NO. 45867
DATE XX/XX/XXXX

DESIGNED
N.J.B
DRAWN
N.J.B
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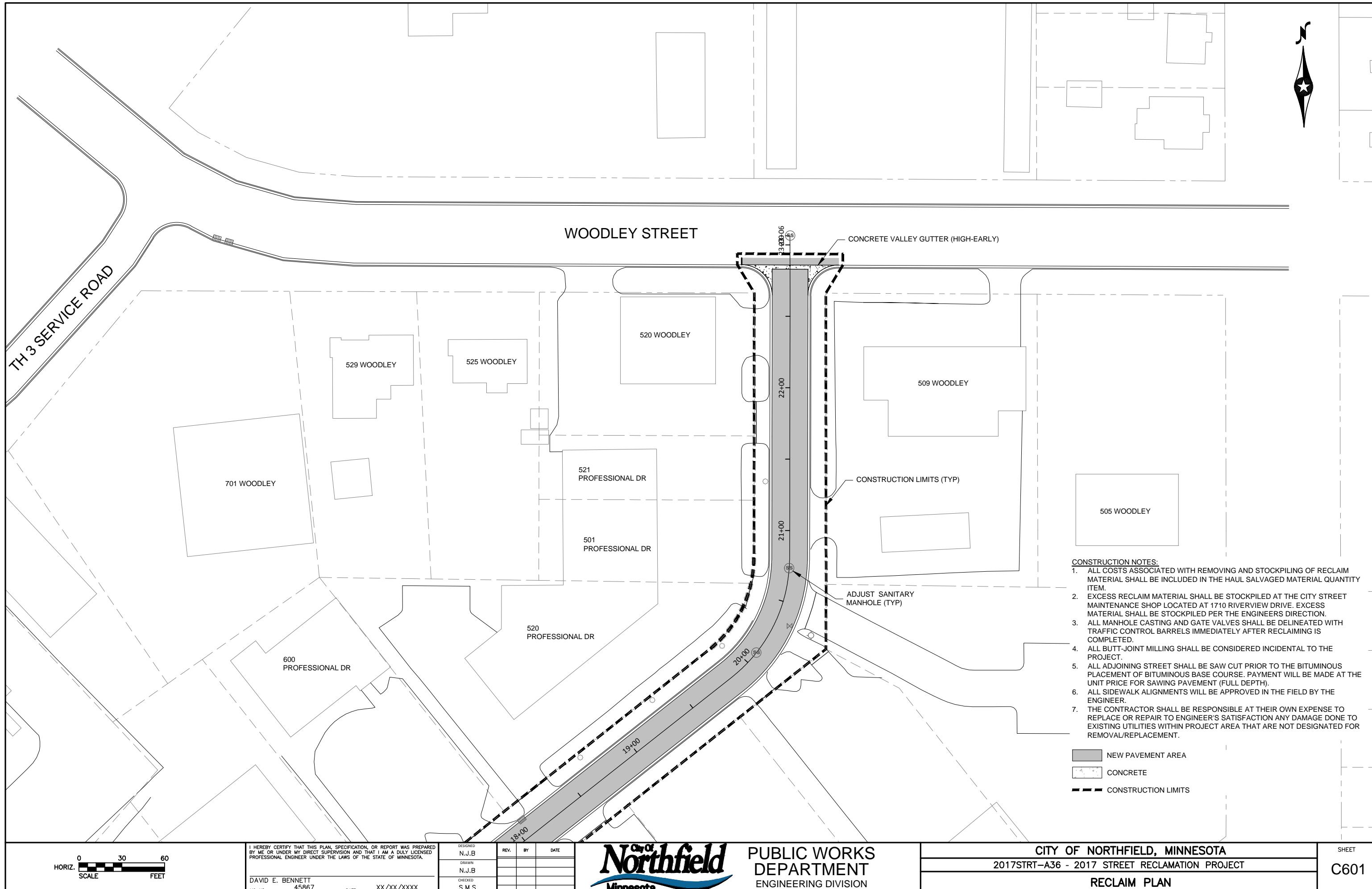
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DATE

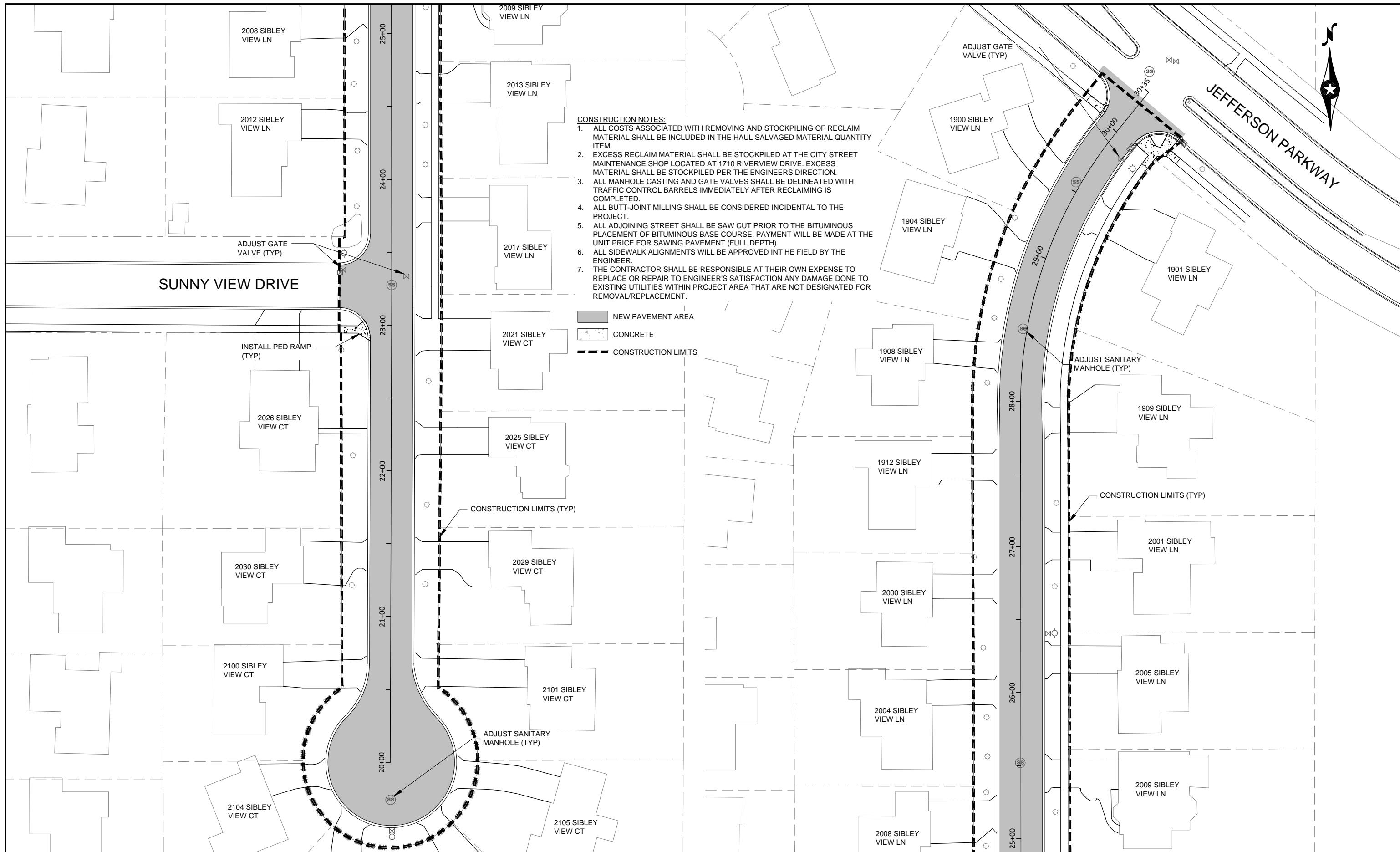


PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHLAND, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT
RECLAIM PLAN

SHEET
C600





0 30 60
HORIZ. SCALE FEET

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DAVID E. BENNETT
LIC. NO. 45867
DATE XX/XX/XXXX

DESIGNED
N.J.B
DRAWN
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CHECKED
S.M.S

REV. BY DATE



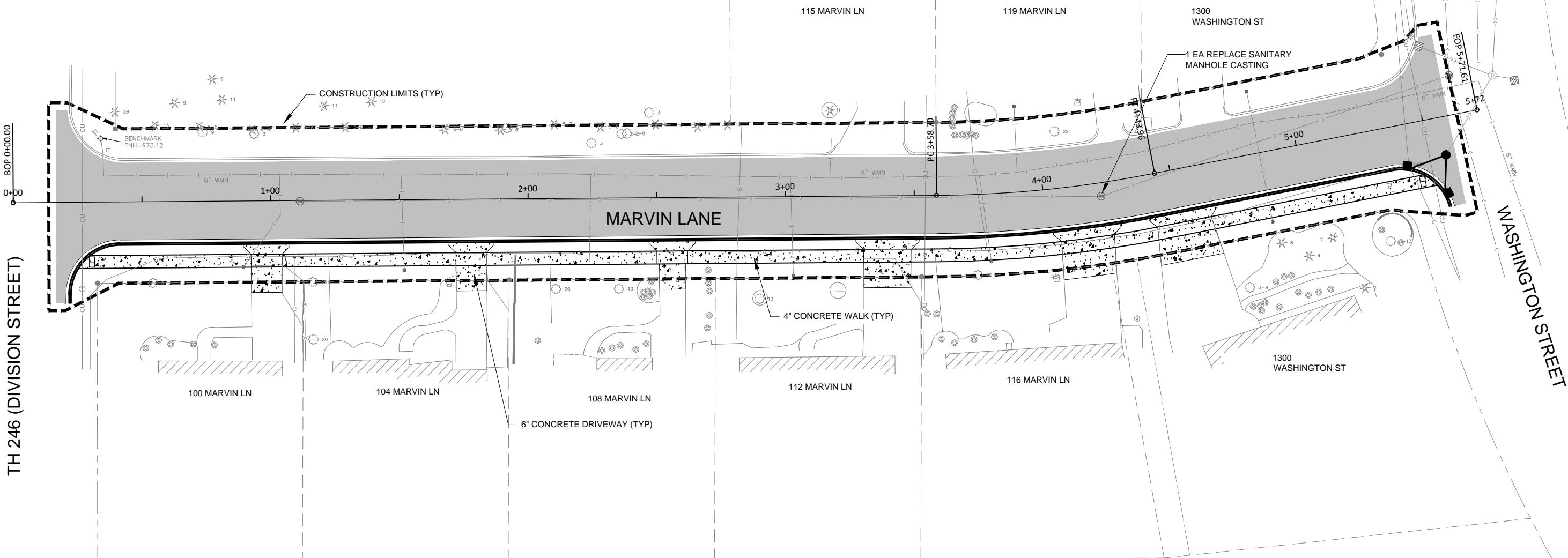
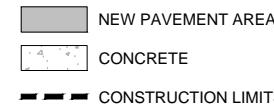
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHLAND, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT
RECLAIM PLAN

SHEET
C602

CONSTRUCTION NOTES

1. ALL COSTS ASSOCIATED WITH REMOVING AND STOCKPILING OF RECLAIM MATERIAL SHALL BE INCLUDED IN THE HAUL SALVAGED MATERIAL QUANTITY ITEM.
2. EXCESS RECLAIM MATERIAL SHALL BE STOCKPILED AT THE CITY STREET MAINTENANCE SHOP LOCATED AT 1710 RIVERVIEW DRIVE. EXCESS MATERIAL SHALL BE STOCKPILED PER THE ENGINEERS DIRECTION.
3. ALL MANHOLE CASTING AND GATE VALVES SHALL BE DELINEATED WITH TRAFFIC CONTROL BARRELS IMMEDIATELY AFTER RECLAIMING IS COMPLETED.
4. ALL BUTT-JOINT MILLING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
5. ALL ADJOINING STREET SHALL BE SAW CUT PRIOR TO THE BITUMINOUS PLACEMENT OF BITUMINOUS BASE COURSE. PAYMENT WILL BE MADE AT THE UNIT PRICE FOR SAWING PAVEMENT (FULL DEPTH).
6. ALL SIDEWALK ALIGNMENTS WILL BE APPROVED IN THE FIELD BY THE ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE TO REPLACE OR REPAIR TO ENGINEER'S SATISFACTION ANY DAMAGE DONE TO EXISTING UTILITIES WITHIN PROJECT AREA THAT ARE NOT DESIGNATED FOR REMOVAL/REPLACEMENT.



A horizontal scale bar with a black background. At the top center is the number '0'. To the right is the number '20'. Below '0' is the word 'HORIZ.'. Below '20' is the word 'FEET'. Below the scale bar is the word 'SCALE'.

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

DAVID E. BENNETT 45867 XX/XX/XX

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PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA
2014-2015 A.T.S. STREET RECLAMATION PROJECT

2017/SIRI-A36 - 2017 STREET RECLAMATION PROJECT
RECLAIM PLAN

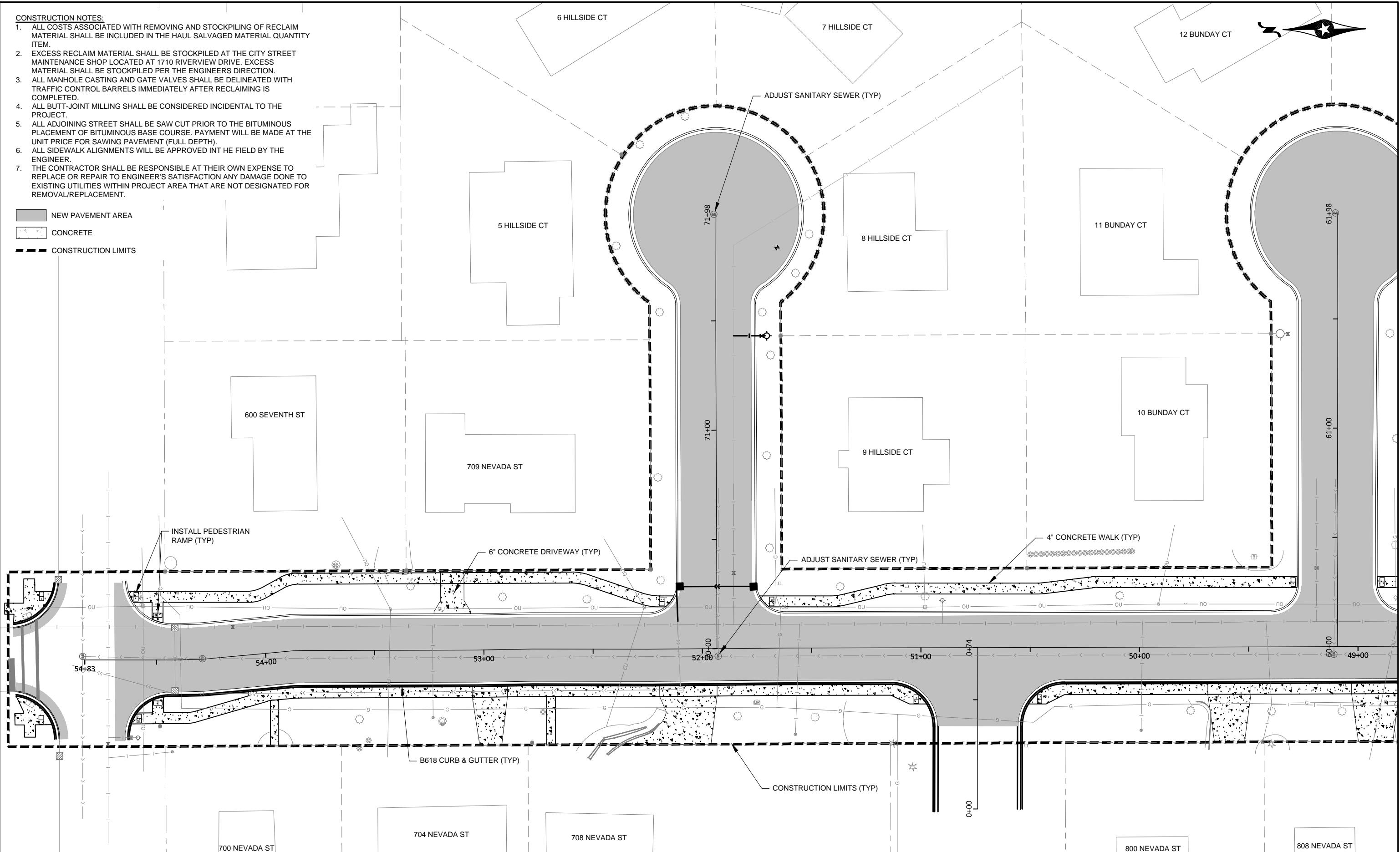
RECLAIM PLAN

SHEET
C603

CONSTRUCTION NOTES:

1. ALL COSTS ASSOCIATED WITH REMOVING AND STOCKPILING OF RECLAIM MATERIAL SHALL BE INCLUDED IN THE HAUL SALVAGED MATERIAL QUANTITY ITEM.
2. EXCESS RECLAIM MATERIAL SHALL BE STOCKPILED AT THE CITY STREET MAINTENANCE SHOP LOCATED AT 1710 RIVERVIEW DRIVE. EXCESS MATERIAL SHALL BE STOCKPILED PER THE ENGINEERS DIRECTION.
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 NEW PAVEMENT AREA
 CONCRETE
 CONSTRUCTION LIMITS



0 20 40
HORIZ. SCALE FEET

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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.
DAVID E. BENNETT
LIC. NO. 45867
DATE XX/XX/XXXX

DESIGNED
N.J.B
DRAWN
N.J.B
CHECKED
S.M.S

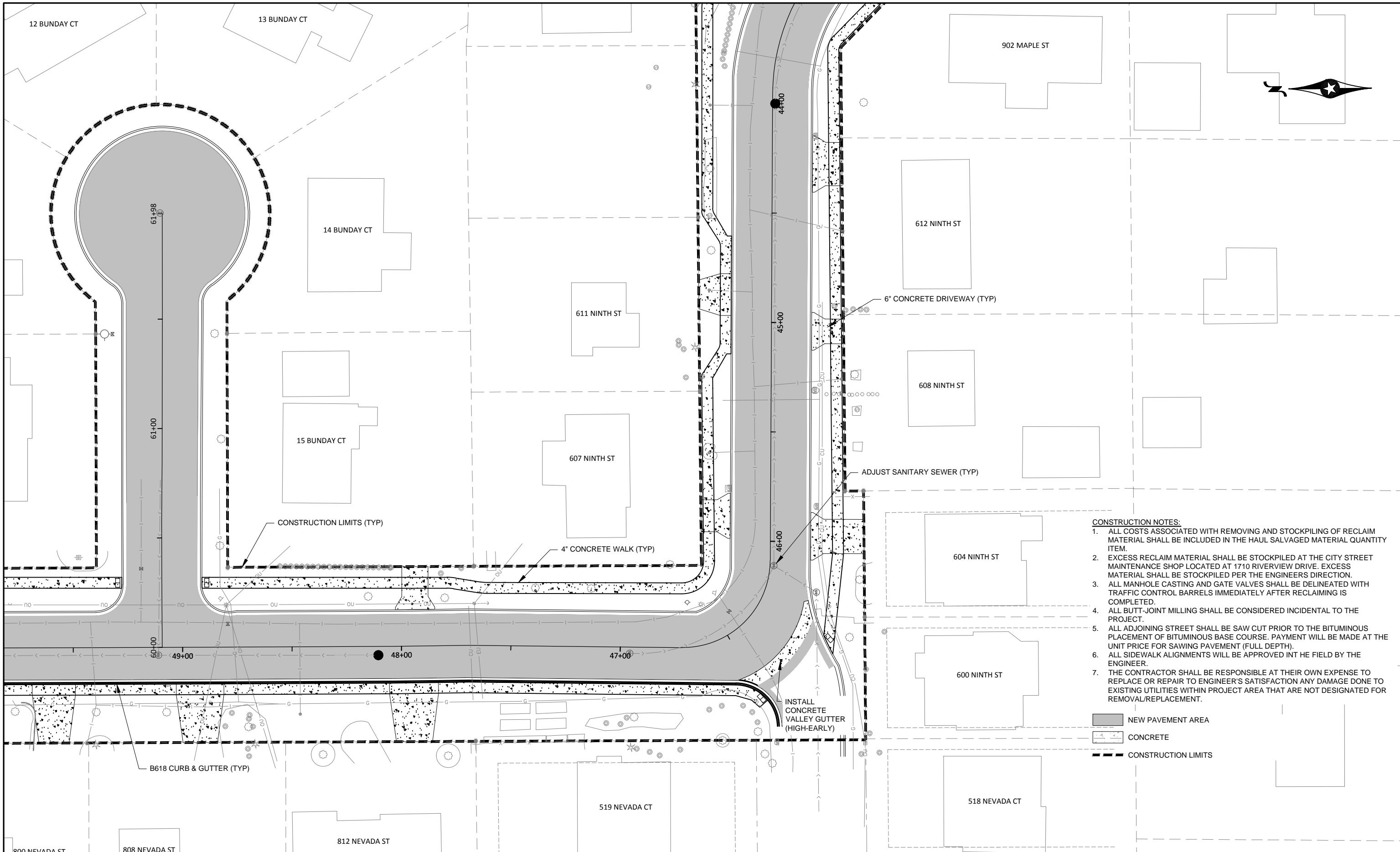
REV. BY DATE



PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT
RECLAIM PLAN

SHEET
C604



0 20 40
HORIZ. FEET
SCALE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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.

DAVID E. BENNETT
LIC. NO. 45867
DATE XX/XX/XXXX

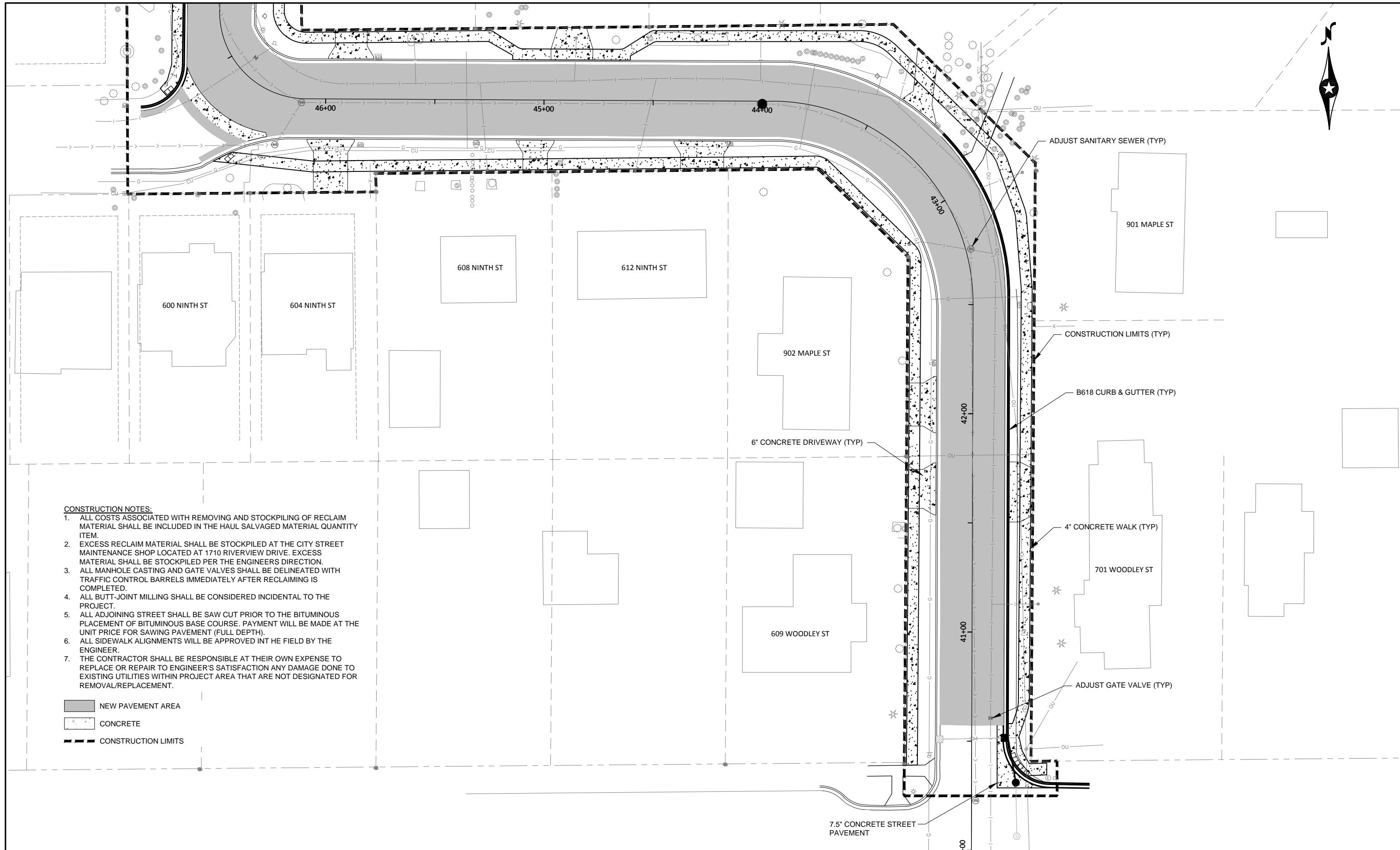
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PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHFIELD, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT
RECLAIM PLAN

SHEET
C605



0 20 40
HORIZ. SCALE FEET

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LIC. NO. 45867
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DESIGNED
N.J.B
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S.M.S

REV. BY DATE



PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION

CITY OF NORTHLAND, MINNESOTA
2017STRT-A36 - 2017 STREET RECLAMATION PROJECT
RECLAIM PLAN

HEET
C606