

# CITY OF MARSHALL

## CONSTRUCTION PLANS FOR

# 2023 - NORTH 3RD STREET & WEST LYON STREET IMPROVEMENTS

## CITY PROJECT # ST-009

SANITARY SEWER, WATERMAIN, STORM SEWER, AGGREGATE BASE, CURB & GUTTER, CONCRETE SIDEWALK,  
CONCRETE STREET PAVEMENT, STREETSCAPING AND TURF RESTORATION

FEBRUARY 2023

**RESOURCE LIST**

**CITY OF MARSHALL**  
CITY HALL  
344 W MAIN ST  
MARSHALL, MN 56258  
507-537-6760

CITY ADMINISTRATOR:  
SHARON HANSON

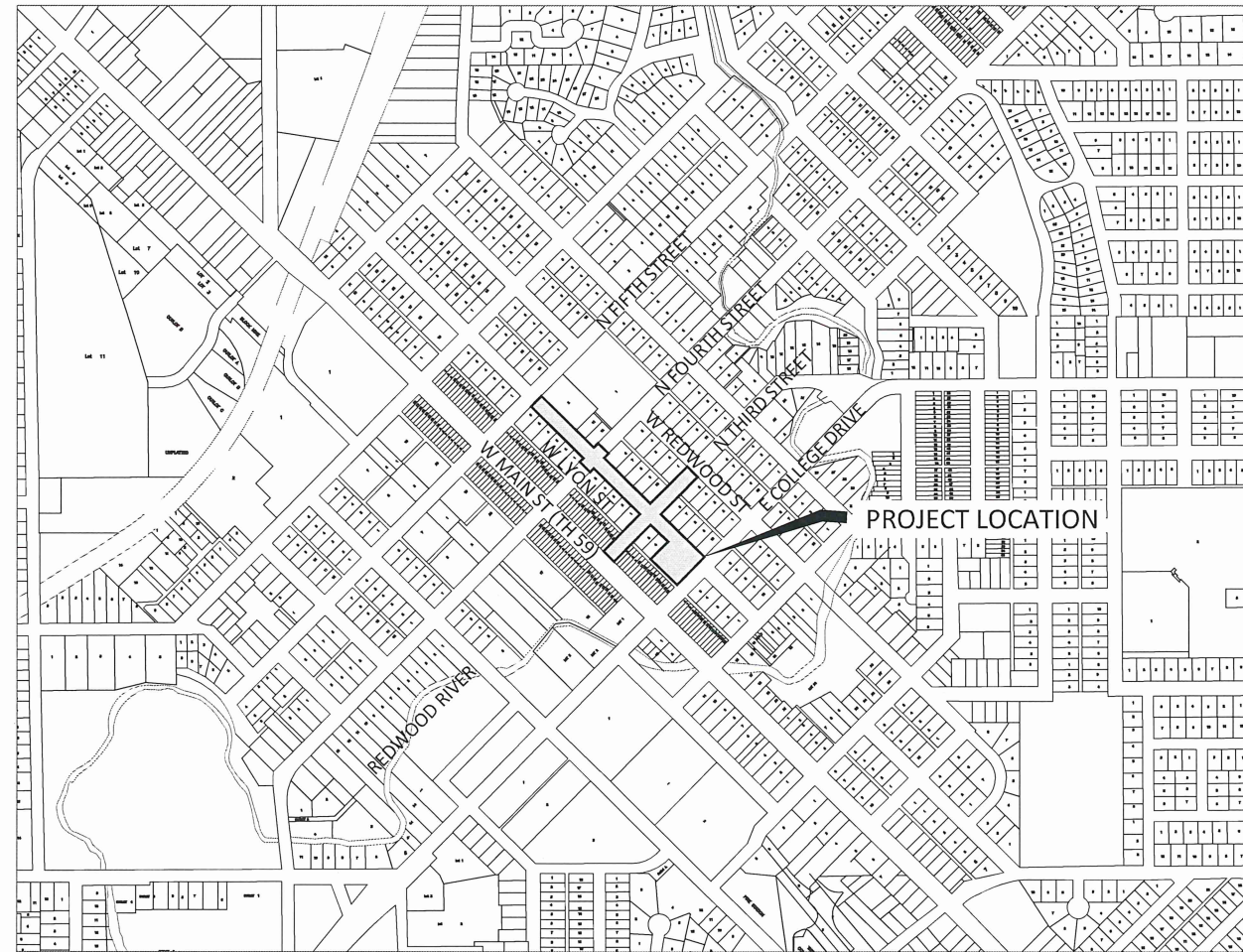
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER  
JASON ANDERSON  
507-537-6051

WASTEWATER SUPERINTENDENT  
SCOTT TRUEDSON

WATER OPERATIONS MANAGER  
JEFF LARSON

ELECTRICAL OPERATIONS MANAGER  
TONY MEAD

PUBLIC WORKS SUPERINTENDENT  
DEAN COUDRON



MAP OF THE  
CITY OF MARSHALL  
LYON COUNTY, MN

| SHEET NUMBER   | SHEET TITLE  |
|----------------|--|
| <b>GENERAL</b> |  |
| G0.01 - G0.03  | TITLE SHEET, LEGEND, CONSTRUCTION NOTES                    |
| G1.01          | STATEMENT OF ESTIMATED QUANTITIES                          |
| <b>CIVIL</b>   |  |
| C0.01 - C0.02  | EXISTING CONDITIONS  |
| C0.03 - C0.04  | REMOVALS   |
| C1.01 - C1.02  | TABLES   |
| C1.03 - C1.10  | TYPICAL SECTIONS AND DETAILS                               |
| C1.11 - C1.15  | STANDARD PLANS - PEDESTRIAN RAMP DETAILS                   |
| C1.16 - C1.19  | STANDARD PLANS - DRIVEWAY AND SIDEWALK DETAILS             |
| C2.01 - C2.04  | SWPPP AND EROSION CONTROL PLAN                             |
| C3.01          | ADDISON PARKING LOT  |
| C4.01 - C4.03  | SANITARY & WATERMAIN PLAN & PROFILE                        |
| C5.01 - C5.04  | STORM SEWER PLAN & PROFILE                                 |
| C6.01 - C6.13  | STREET PLAN & PROFILE, INTERSECTION DETAILS, JOINTING PLAN |
| C7.01 - C7.13  | TRAFFIC CONTROL PLAN, STREET SIGNAGE, PAVEMENT MARKINGS    |
| C8.01 - C8.05  | SIGNAL REVISION PLAN                                       |
| C9.01 - C9.08  | CROSS SECTIONS   |
| L1.01 - L3.04  | STREETSCAPE PLAN   |
| E1.01 - E2.02  | ELECTRICAL, CONDUIT & FOOTING PLAN                         |
| S1.01          | STRUCTURAL DETAILS   |

THIS PLAN SET CONTAINS 99 SHEETS

**SPECIFICATION REFERENCE**

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

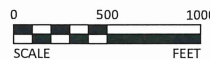
THE CITY OF MARSHALL STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

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, 1-800-252-1166 OR 651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY 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."

**MAP LEGEND**

— PROJECT LIMITS



REVIEWED & APPROVED *Shawn Dieffen* DATE: 2/17/23  
MARSHALL MUNICIPAL UTILITIES  
REVIEWED & APPROVED *Jason Anderson* DATE: 2/17/23  
CITY ENGINEER

PROJECT DATUM: LYON COUNTY  
HORIZONTAL: NAD 83  
VERTICAL: NAVD 88

|                            |
|----------------------------|
| RECORD DRAWING INFORMATION |
| OBSERVER:                  |
| CONTRACTOR:                |
| DATE:                      |

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.

*Joshua G. Stier*  
JOSHUA G. STIER  
UC. NO. 54171 DATE 02/14/2023



1960 PREMIER DRIVE  
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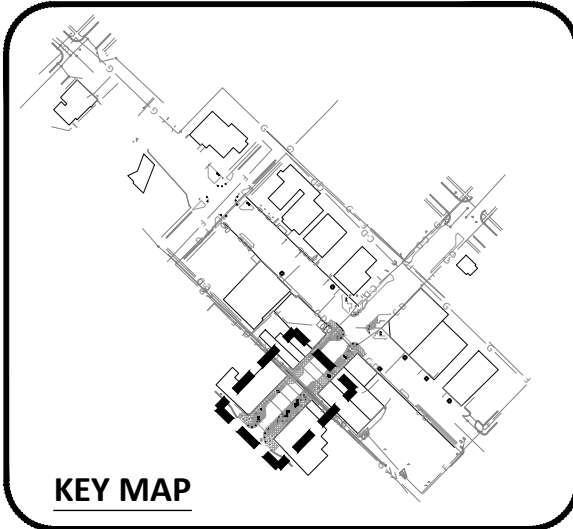


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| OW1.127006       |     |            |      |

CITY OF MARSHALL, MINNESOTA  
2023 N 3RD ST - W LYON ST IMPROVEMENTS

TITLE SHEET

SHEET  
**G0.01**



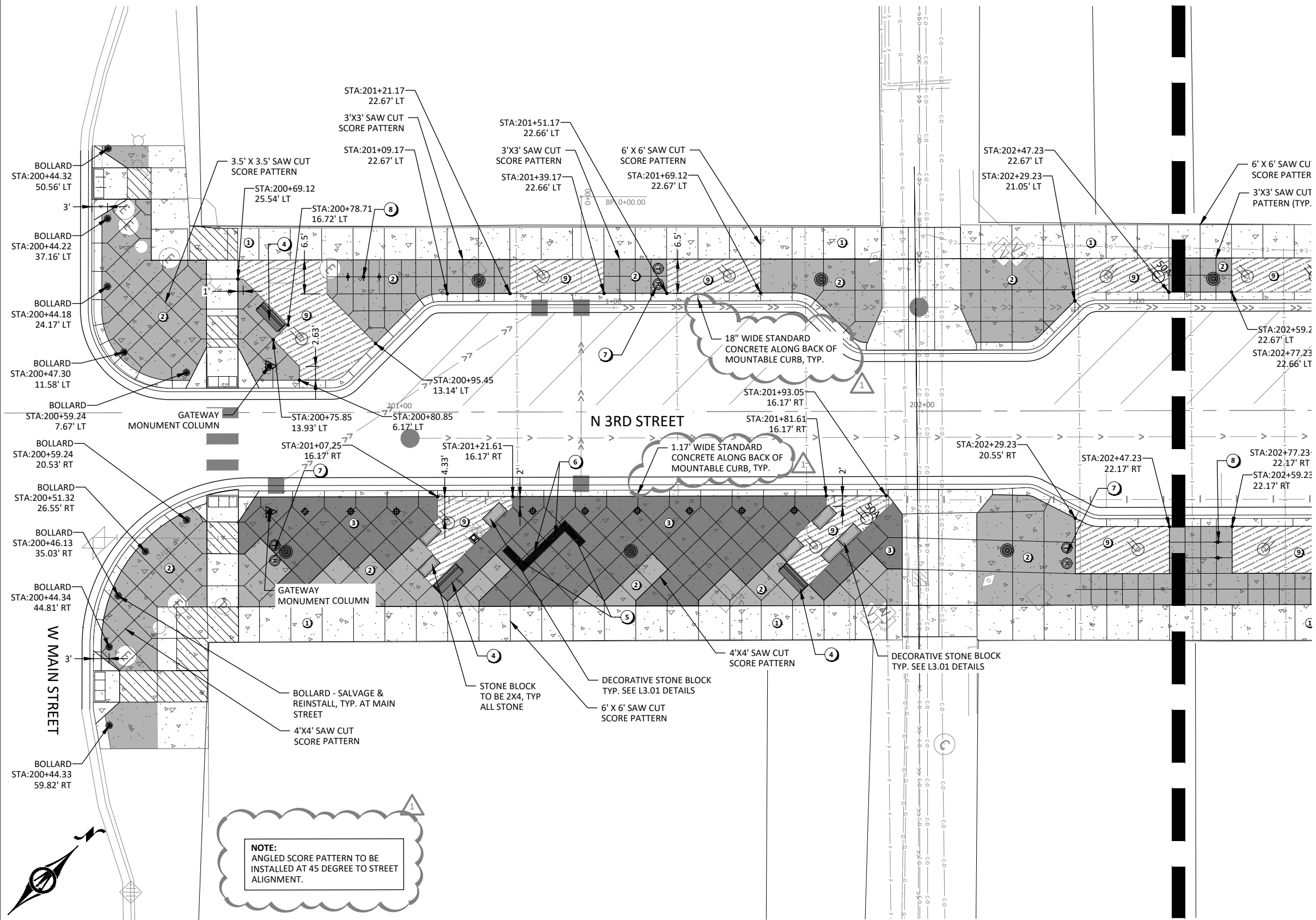
**KEY MAP**

**SITE KEYNOTES:**

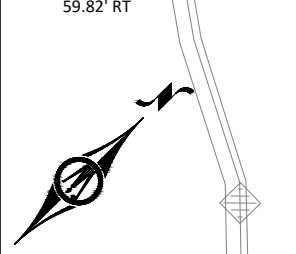
- ① STANDARD CONCRETE WALK, REFER TO PLAN AND PROFILE SHEETS
- ② CONCRETE WALK SPECIAL, REFER TO L3.02
- ③ SPECIAL SURFACE TREATMENT - DARK GREY, SANDBLASTING & STAINING, REFER TO L3.02
- ④ BENCH TYPE 1, REFER TO L3.03
- ⑤ NOT IN CONTRACT - BY OTHERS
- ⑥ NOT IN CONTRACT - BY OTHERS
- ⑦ WASTE AND RECYCLING RECEPTACLE, REFER TO L3.03
- ⑧ BIKE RACK, REFER TO L3.03
- ⑨ LANDSCAPE BED, REFER TO L2.00 SHEET SERIES
- ⑩ SEEDING, SEED MIXTURE 25-131, MULCH MATERIAL TYPE 3, FERTILIZER TYPE 3
- ⑪ TREE GRATE, REFER TO L3.01

**ELECTRICAL ITEMS LEGEND REFER TO ELECTRICAL SHEETS**

- LIGHT UNIT TYPE A FOOTING, POLE AND FIXTURE BY OTHERS
- LIGHT UNIT TYPE B FOOTING, POLE AND FIXTURE BY OTHERS
- GFCI - DULEX PEDESTAL
- 50 AMP EVENT POWER PEDESTAL
- 20 AMP EVENT POWER PEDESTAL
- LIGHT UNIT TYPE C INSTALLATION, BOLLARD BY OTHERS



**NOTE:**  
ANGLED SCORE PATTERN TO BE INSTALLED AT 45 DEGREE TO STREET ALIGNMENT.



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SAMUEL J. KESSEL  
LIC. NO. 50677 DATE 02/14/2023



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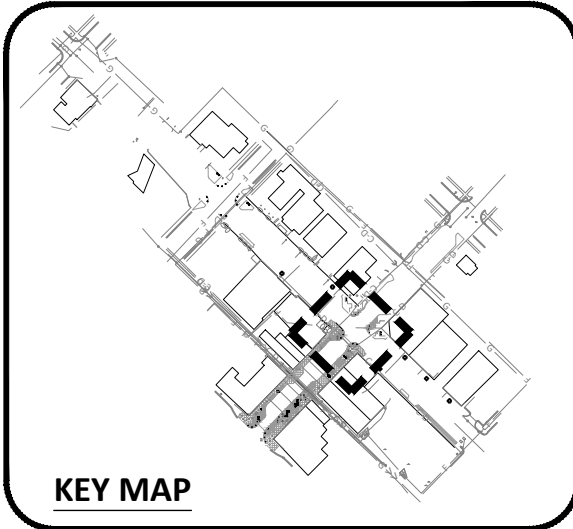
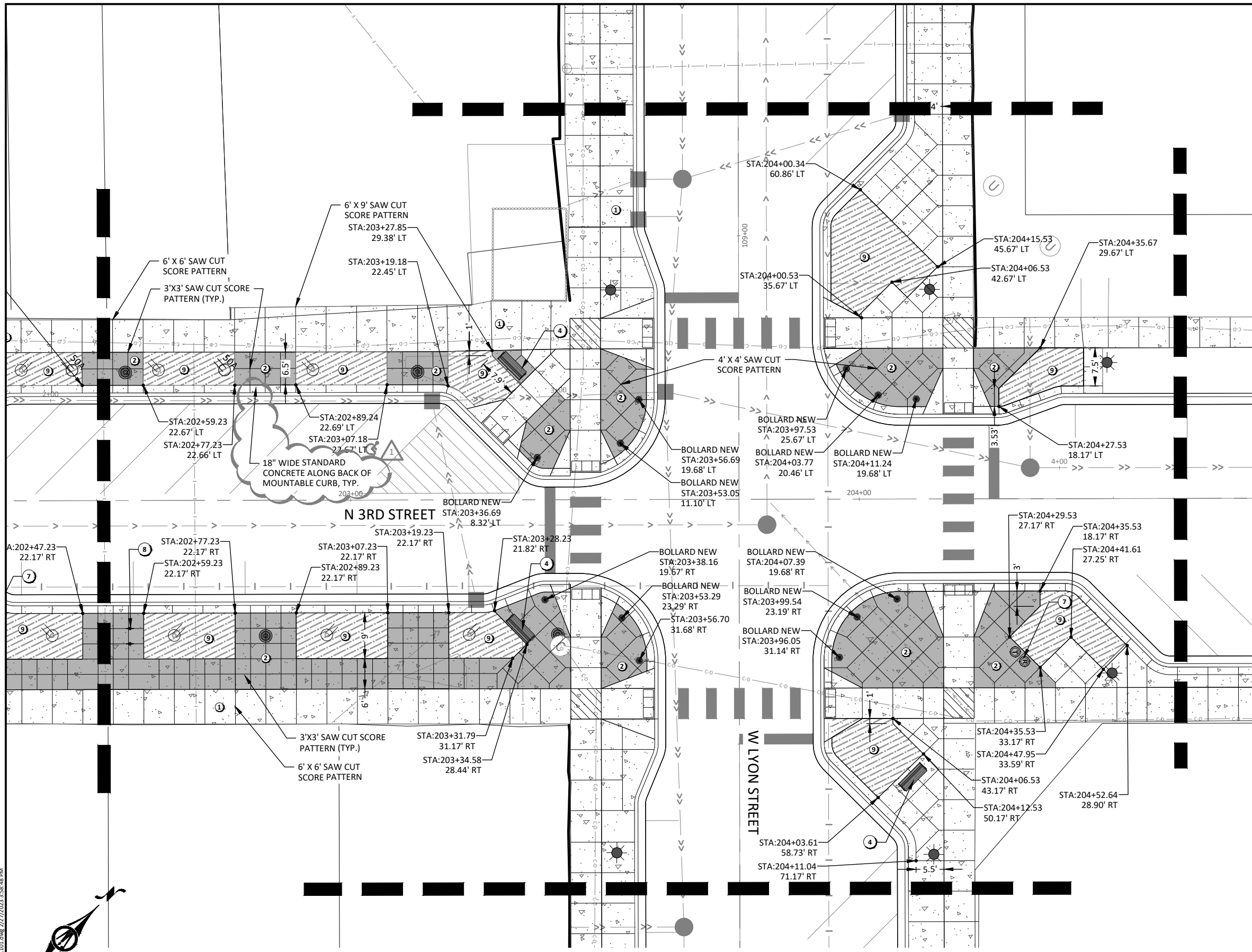


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| CCC              |     |            |           |
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| SJM              |     |            |           |
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CITY OF MARSHALL, MINNESOTA  
2023 N 3RD ST - W LYON ST IMPROVEMENTS  
PLAN SHEETS  
STREETSCAPE LAYOUT PLAN

SHEET  
**L1.01**

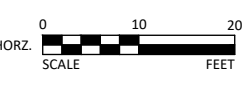
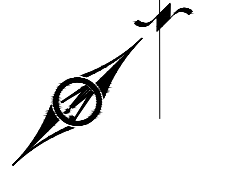
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- SITE KEYNOTES:**
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  - ③ SPECIAL SURFACE TREATMENT - DARK GREY, SANDBLASTING & STAINING, REFER TO L3.02
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  - ⑥ NOT IN CONTRACT - BY OTHERS
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  - ⑧ BIKE RACK, REFER TO L3.03
  - ⑨ LANDSCAPE BED, REFER TO L2.00 SHEET SERIES
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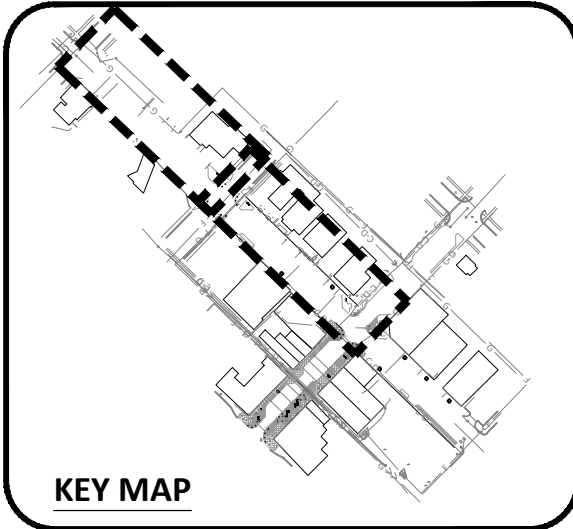
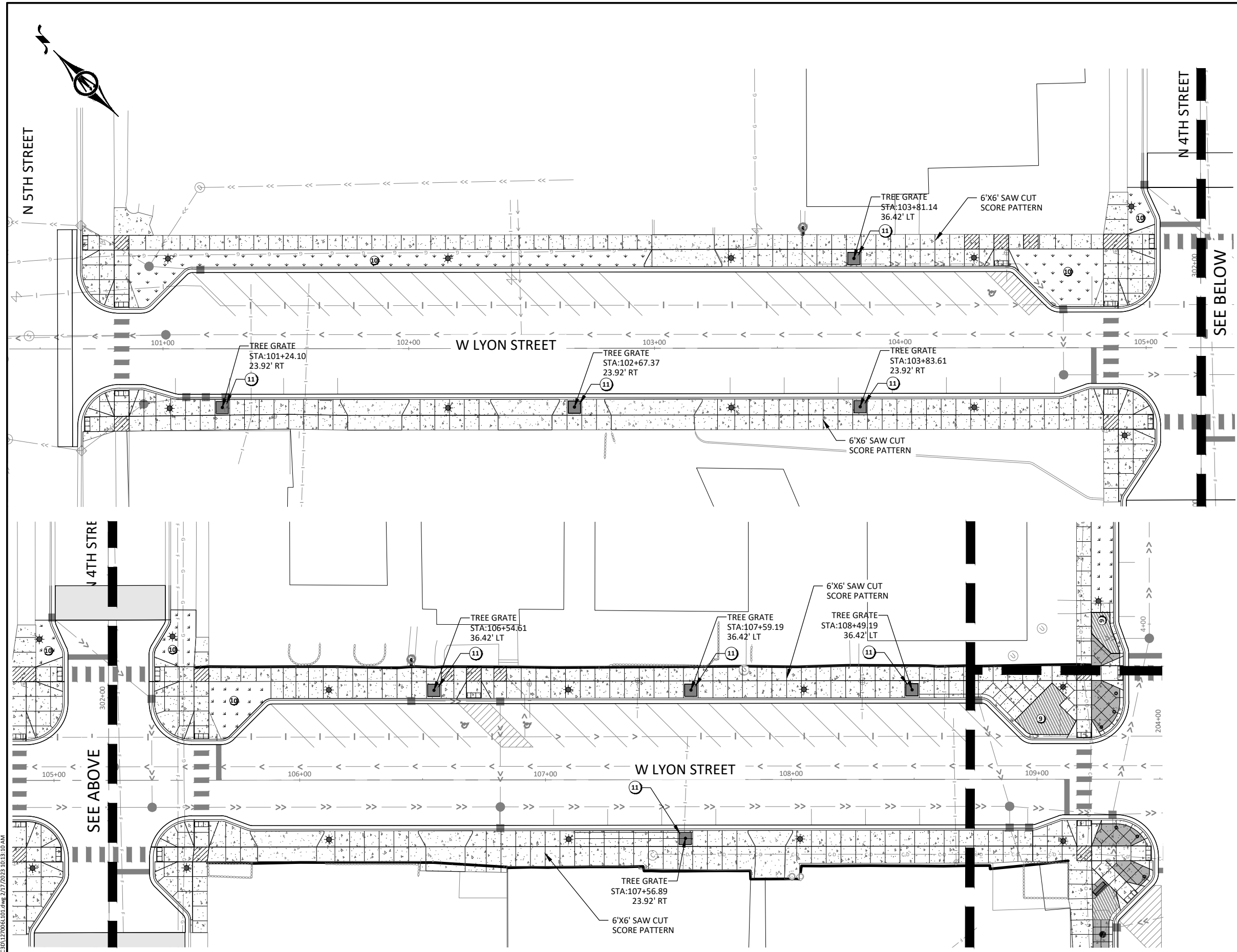


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CITY OF MARSHALL, MINNESOTA  
2023 N 3RD ST - W LYON ST IMPROVEMENTS  
PLAN SHEETS  
STREETSCAPE LAYOUT PLAN

SHEET  
**L1.02**

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**KEY MAP**

**SITE KEYNOTES:**

- ① STANDARD CONCRETE WALK, REFER TO PLAN AND PROFILE SHEETS
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**SAMUEL J. KESSEL**  
 LIC. NO. 50677 DATE 02/14/2023



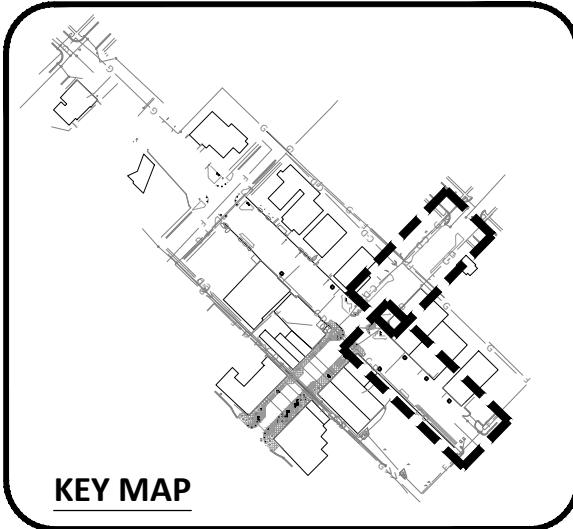
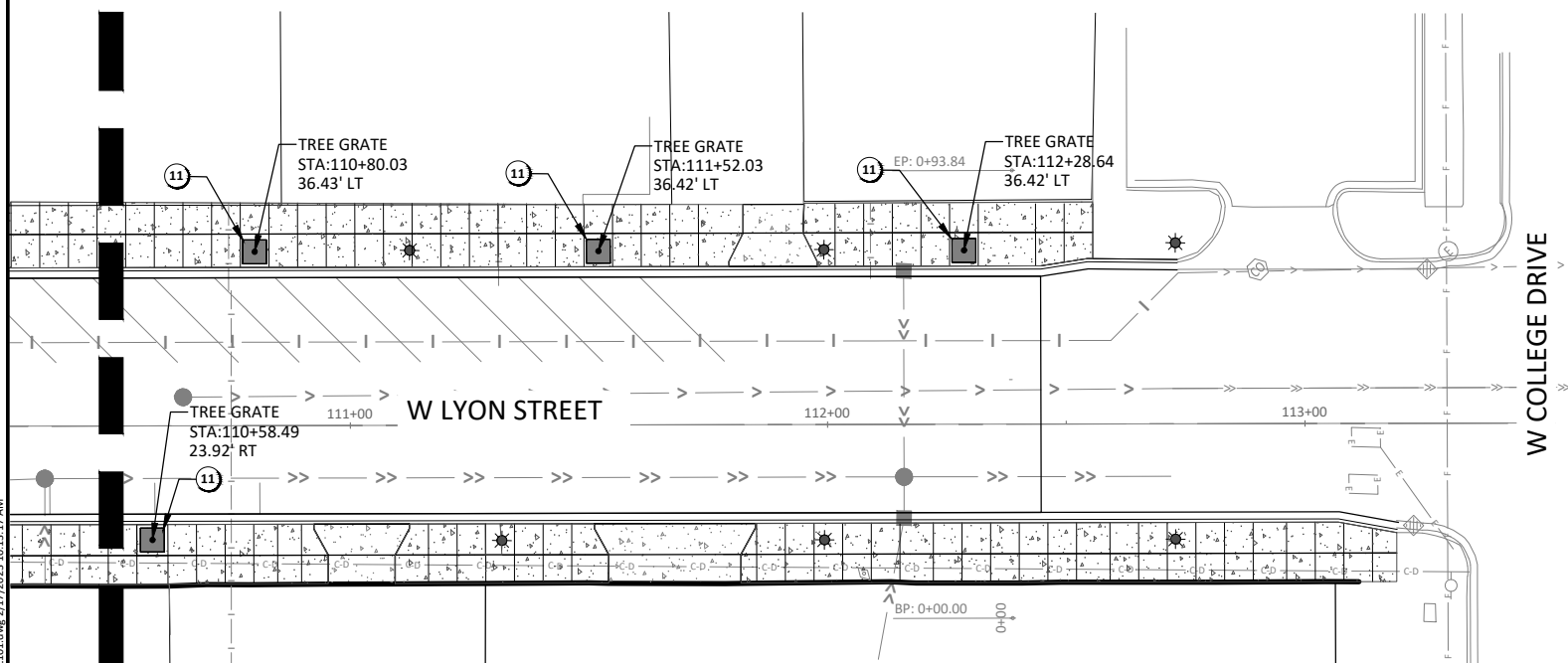
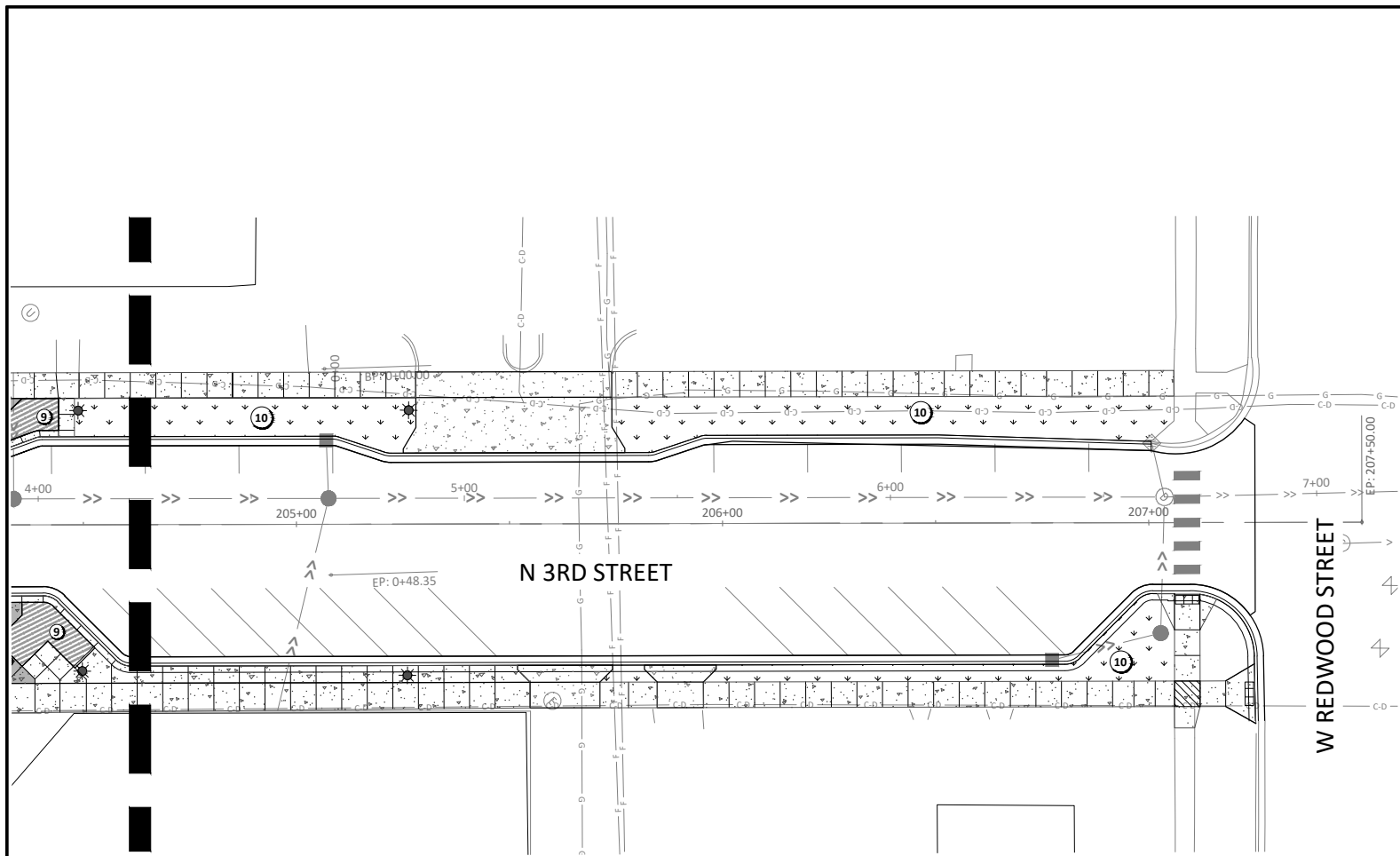
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CITY OF MARSHALL, MINNESOTA  
 2023 N 3RD ST - W LYON ST IMPROVEMENTS  
**PLAN SHEETS**  
 STREETScape LAYOUT PLAN

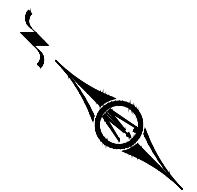
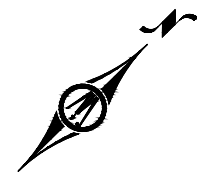
SHEET  
**L1.03**



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  - ⑧ BIKE RACK, REFER TO L3.03
  - ⑨ LANDSCAPE BED, REFER TO L2.00 SHEET SERIES
  - ⑩ SEEDING, SEED MIXTURE 25-131, MULCH MATERIAL TYPE 3, FERTILIZER TYPE 3
  - ⑪ TREE GRATE, REFER TO L3.01

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- 20 AMP EVENT POWER PEDESTAL
- LIGHT UNIT TYPE C INSTALLATION, BOLLARD BY OTHERS



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**SAMUEL J. KESSEL**  
 LIC. NO. 50677 DATE 02/14/2023



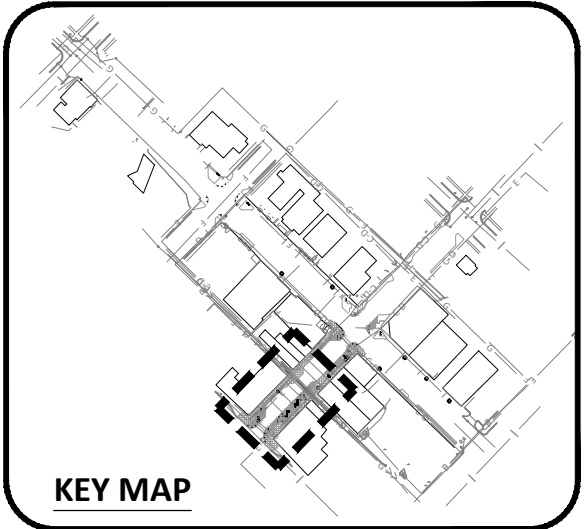
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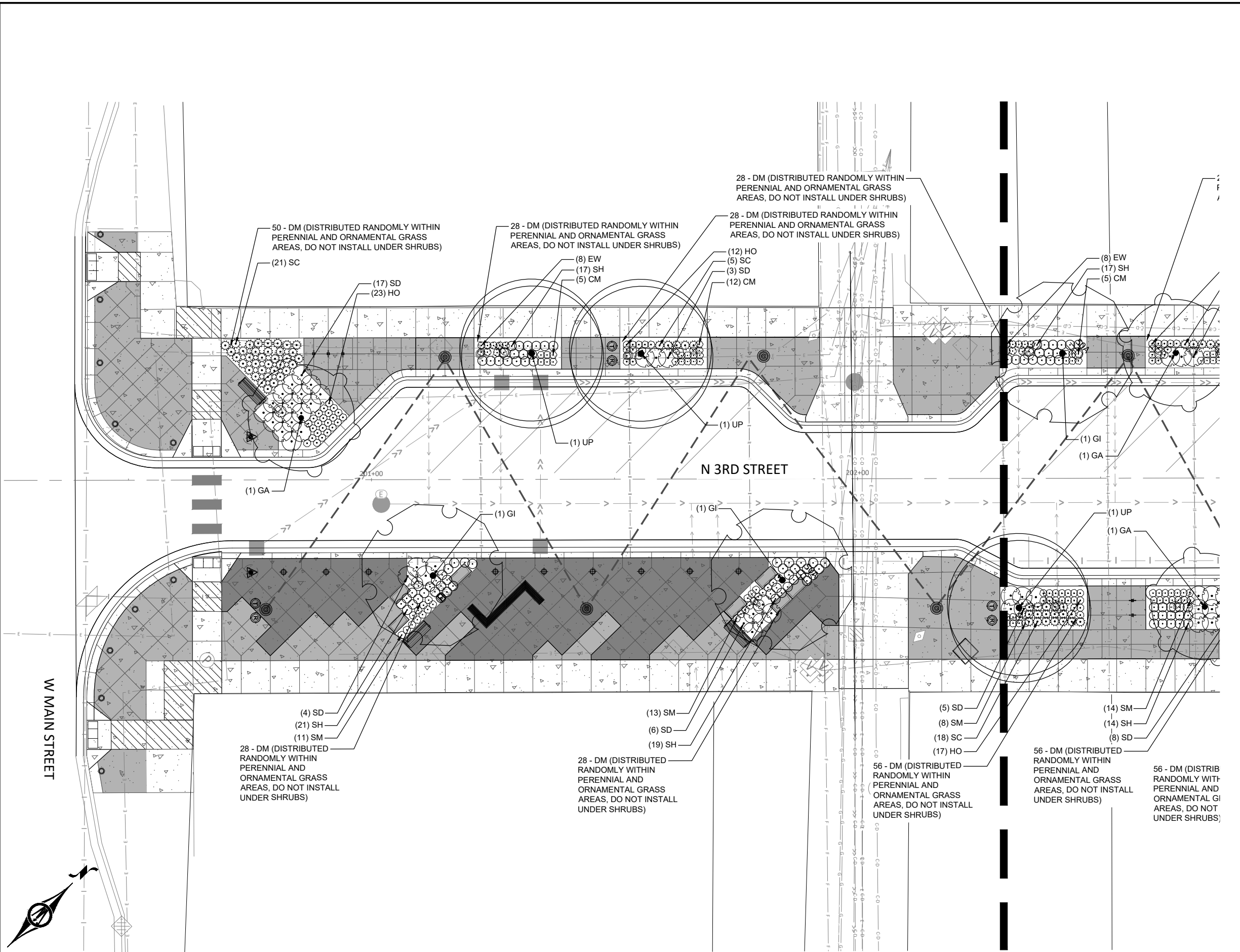
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CITY OF MARSHALL, MINNESOTA  
 2023 N 3RD ST - W LYON ST IMPROVEMENTS  
 PLAN SHEETS  
 STREETScape LAYOUT PLAN

SHEET  
**L1.04**

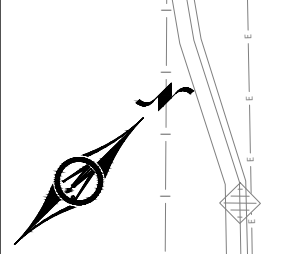


KEY MAP



LEGEND:

- SEED MIXTURE 25-131,  
HYDRAULIC MULCH  
MATERIAL FERTILIZER TYPE 3
- STREET TREES
- SHRUBS
- GRASSES
- PERENNIALS



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*[Signature]*  
 SAMUEL J. KESSEL  
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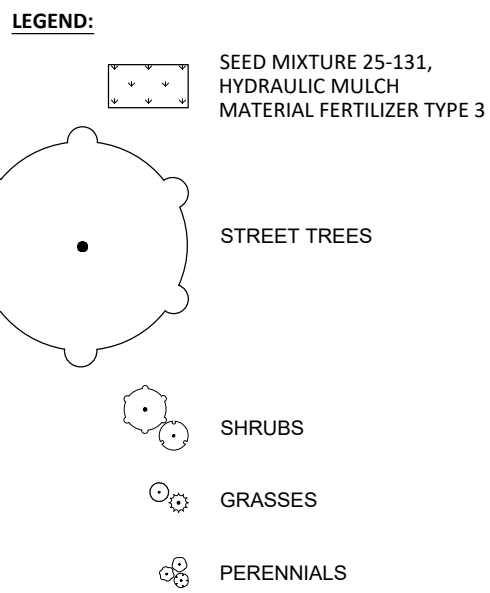
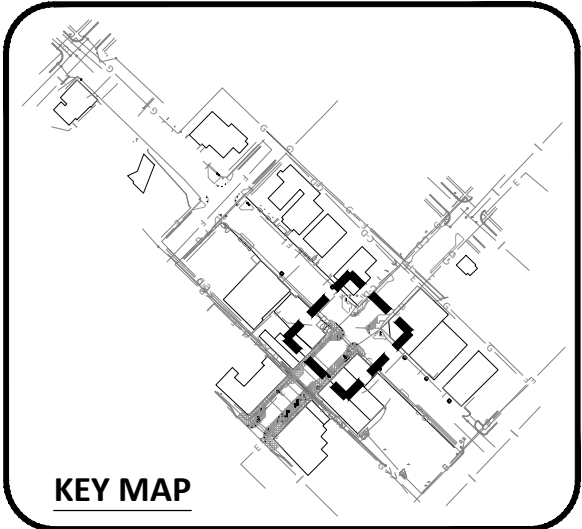
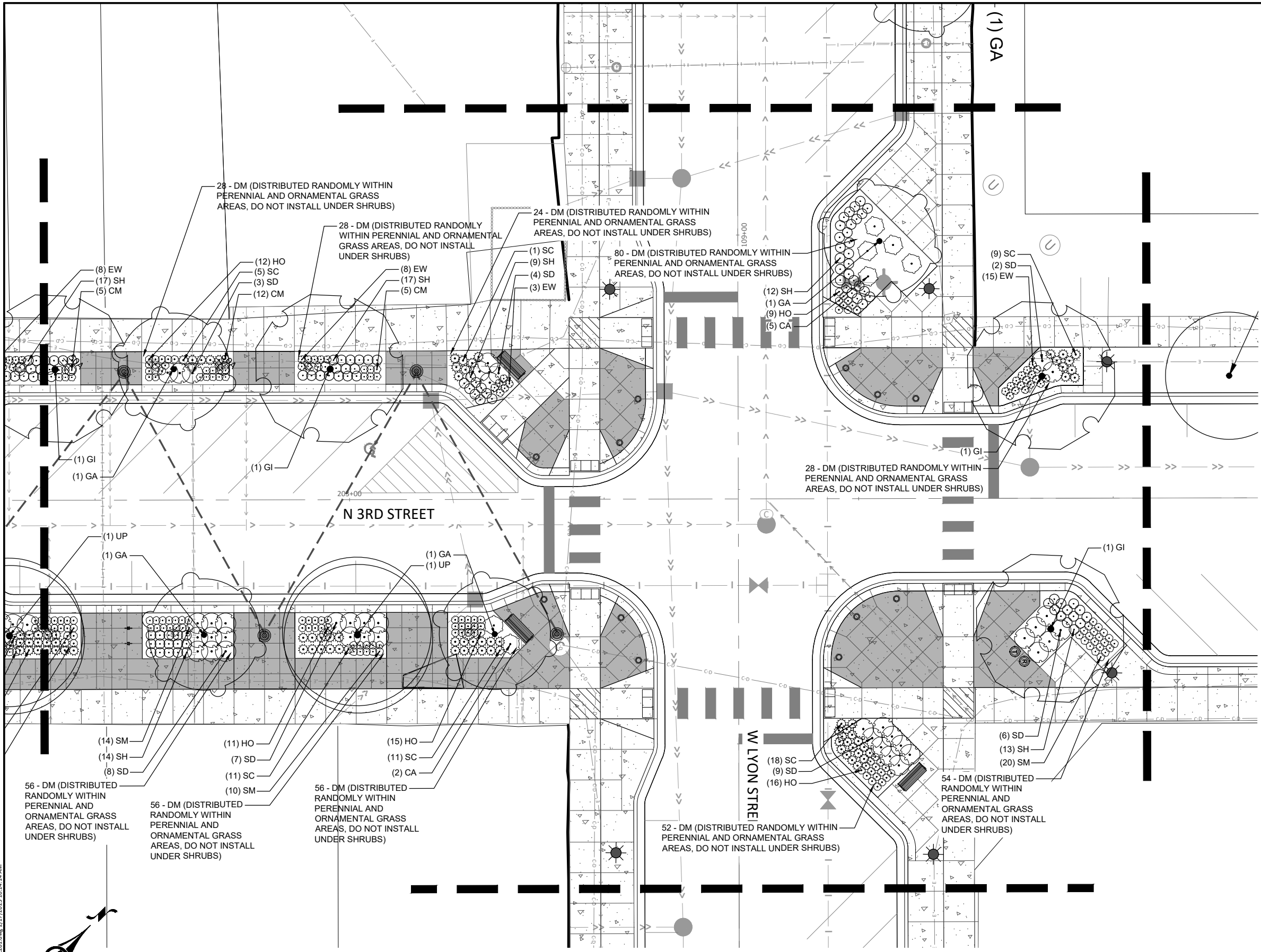


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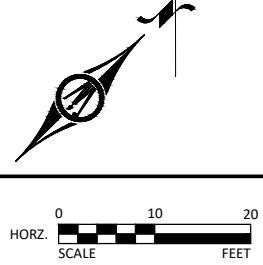
CITY OF MARSHALL, MINNESOTA  
 2023 N 3RD ST - W LYON ST IMPROVEMENTS  
 LANDSCAPE PLANS  
 LANDSCAPE PLAN

SHEET  
 L2.01

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| OW1.127006       |     |            |      |

CITY OF MARSHALL, MINNESOTA  
2023 N 3RD ST - W LYON ST IMPROVEMENTS  
LANDSCAPE PLANS  
LANDSCAPE PLAN

SHEET  
L2.02

N 5TH STREET

N 4TH STREET

W LYON STREET

W LYON STREET

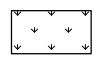




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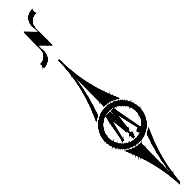
N 4TH

SEE ABOVE

KEY MAP

LEGEND:

-  SEED MIXTURE 25-131,  
HYDRAULIC MULCH  
MATERIAL FERTILIZER TYPE 3
-  STREET TREES
-  SHRUBS
-  GRASSES
-  PERENNIALS



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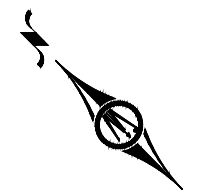
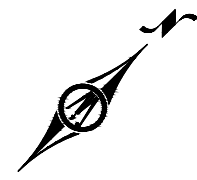
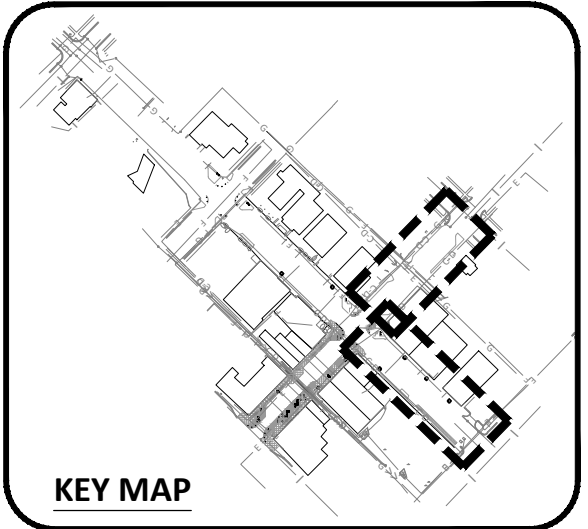
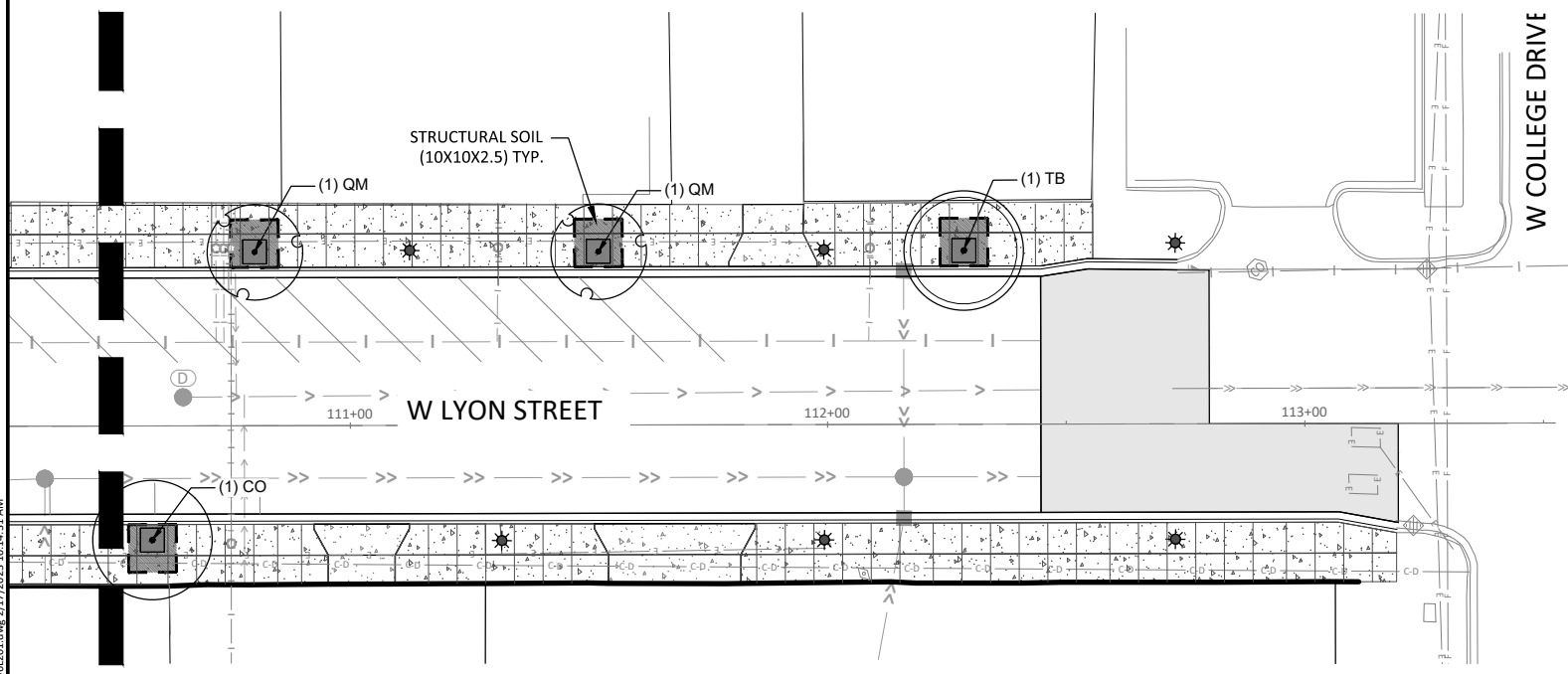
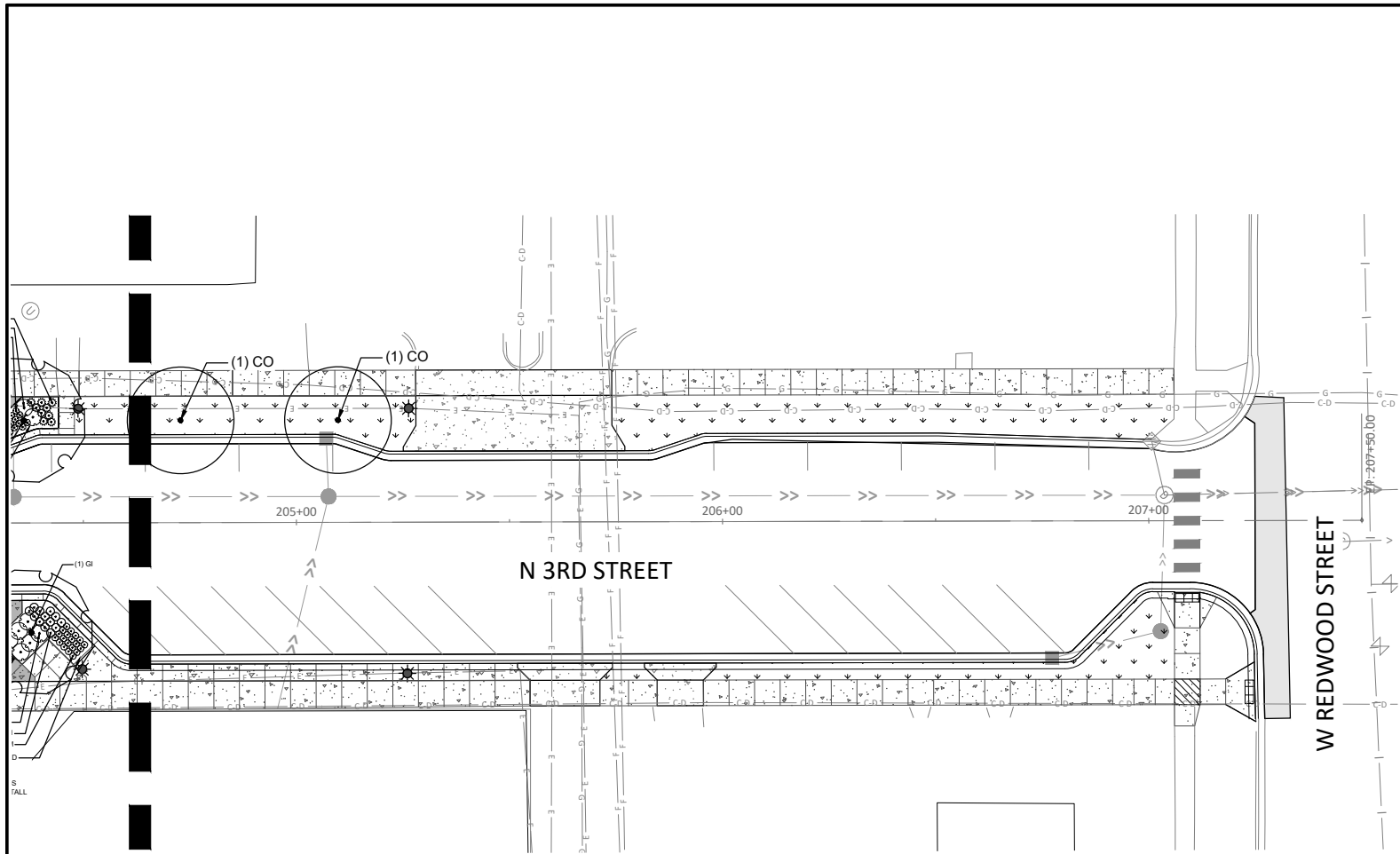
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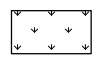
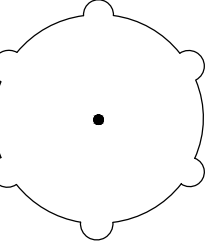



CITY OF MARSHALL, MINNESOTA  
 2023 N 3RD ST - W LYON ST IMPROVEMENTS  
 LANDSCAPE PLANS  
 LANDSCAPE PLAN

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- LEGEND:**
-  SEED MIXTURE 25-131,  
HYDRAULIC MULCH  
MATERIAL FERTILIZER TYPE 3
  -  STREET TREES
  -  SHRUBS
  -  GRASSES
  -  PERENNIALS

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*Samuel J. Kessel*

SAMUEL J. KESSEL  
LIC. NO. 50677 DATE 02/14/2023



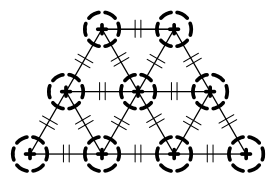
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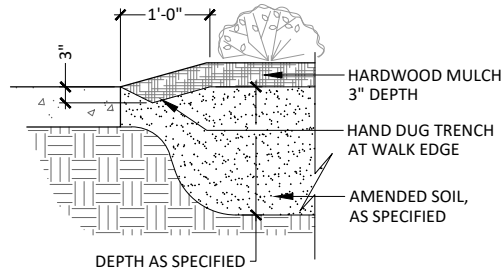
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2023 N 3RD ST - W LYON ST IMPROVEMENTS  
LANDSCAPE PLANS  
LANDSCAPE PLAN

SHEET  
L2.04

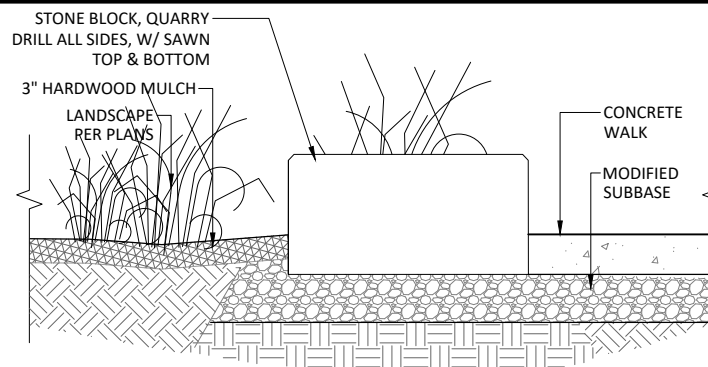


- NOTES:
- O.C. TRIANGULAR PLANT SPACING PER PLANS
  - AREAS IDENTIFIED ON PLANTING PLAN AS O.C. SHALL BE TRIANGULAR SPACED
  - SEE PLANTING PLAN/SCHEDULE FOR SPECIES

**1 PERENNIAL PLANT SPACING**  
SCALE: N.T.S.



**2 PLANTING EDGE AT HARDSCAPE SURFACE**  
SCALE: N.T.S.



**BOULDER GENERAL NOTES**

- SEE PLAN FOR LOCATIONS. FIELD VERIFY LOCATION BY OWNER'S REPRESENTATIVE.
  - 2'X2'X4' STONE BLOCK
  - COLOR: CARNELIAN (CONTRACTOR TO SUBMIT STONE TYPE AND COLOR FOR APPROVAL)
- COLDSRING (FULL QUARRY RANGE BLOCKS)  
CONTACT: MATT REIMER  
800.328.5040  
MReimer@coldspringusa.com

**3 DECORATIVE STONE BLOCK SETTING DETAIL**  
SCALE: N.T.S.

**PLANT SCHEDULE**

| OVERSTORY TREES | QTY | BOTANICAL NAME                          | COMMON NAME                 | SIZE           | CONTAINER |
|-----------------|-----|---|-----------------------------|----------------|-----------|
| CO              | 5   | CELTIS OCCIDENTALIS                     | COMMON HACKBERRY            | 2.5" CAL.      | B&B       |
| GA              | 7   | GINKGO BILOBA 'AUTUMN GOLD'             | AUTUMN GOLD MAIDENHAIR TREE | 2.5" CAL.      | B&B       |
| GI              | 6   | GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE' | SKYLINE® HONEY LOCUST       | 2.5" CAL.      | B&B       |
| QM              | 6   | QUERCUS MACROCARPA                      | BUR OAK                     | 2.5" CAL., B&B |           |
| TB              | 2   | TILIA AMERICANA 'BOULEVARD'             | BOULEVARD AMERICAN LINDEN   | 2.5" CAL.      | B&B       |
| UP              | 6   | ULMUS AMERICANA 'PRINCETON'             | PRINCETON AMERICAN ELM      | 2.5" CAL.      | B&B       |

| SHRUBS | QTY | BOTANICAL NAME               | COMMON NAME                       | SIZE     | SPREAD   |
|--------|-----|------------------------------|-----------------------------------|----------|----------|
| CA     | 7   | CORNUS ALBA 'JEFFREY'        | LITTLE REBEL® TATARIAN DOGWOOD    | #5 CONT. | 48" O.C. |
| SD     | 75  | SPIRAEA X BUMALDA 'DENISTAR' | FIRST EDITIONS® SUPERSTAR™ SPIREA | #5 CONT. | 36" O.C. |

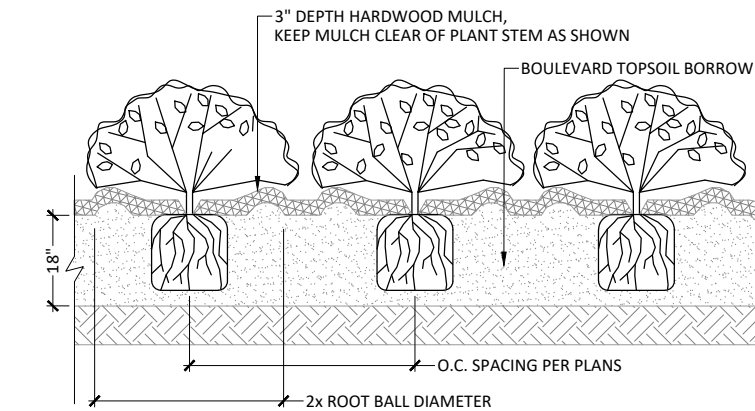
| BULBS | QTY | BOTANICAL NAME             | COMMON NAME           | SIZE          | SPREAD  |
|-------|-----|----------------------------|-----------------------|---------------|---------|
| ND    | 420 | NARCISSUS X 'DUTCH MASTER' | DUTCH MASTER DAFFODIL | 14/16 CM BULB | 1.5'-2' |

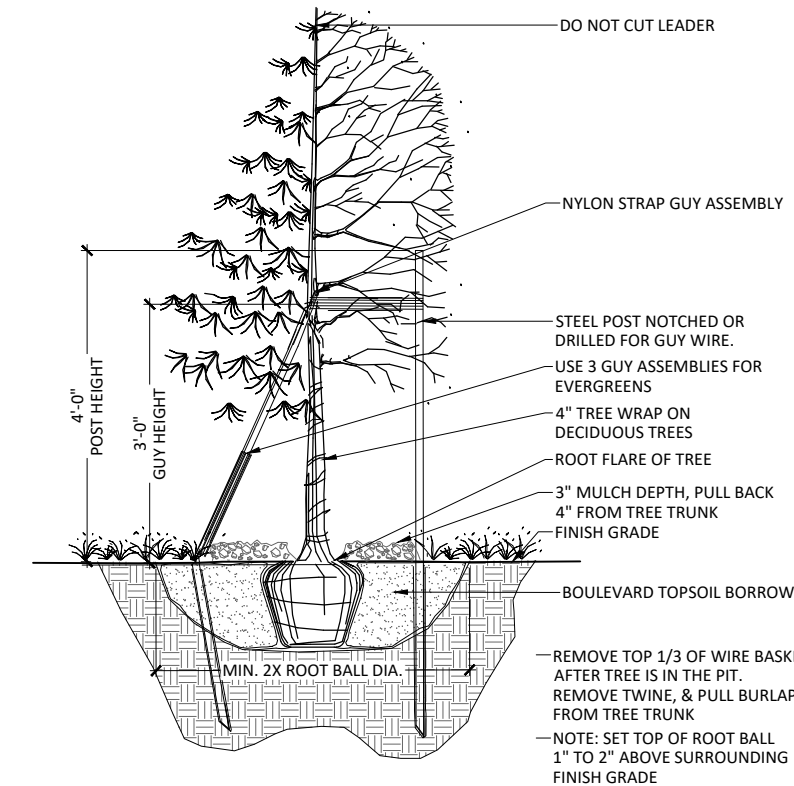
| PERENNIALS | QTY | BOTANICAL NAME                     | COMMON NAME                   | SIZE     | SPREAD   |
|------------|-----|------------------------------------|-------------------------------|----------|----------|
| CM         | 42  | COREOPSIS X 'MOONBEAM'             | MOONBEAM TICKSEED             | #1 CONT. | 18" O.C. |
| EW         | 47  | ECHINACEA PURPUREA 'PAS702917'     | POWWOW® WILD BERRY CONEFLOWER | #1 CONT. | 18" O.C. |
| HO         | 114 | HEMEROCALLIS X 'STELLA DE ORO'     | STELLA DE ORO DAYLILY         | #1 CONT. | 18" O.C. |
| SC         | 120 | SCHIZACHYRIUM SCOPARIUM 'CAROUSEL' | CAROUSEL LITTLE BLUESTEM      | #1 CONT. | 24" O.C. |
| SM         | 76  | SEDUM X 'MR. GOODBUD'              | MR. GOODBUD STONECROP         | #1 CONT. | 18" O.C. |
| SH         | 155 | SPOROBOLUS HETEROLEPIS             | PRAIRIE DROPSEED              | #1 CONT. | 24" O.C. |

**GENERAL NOTES:**

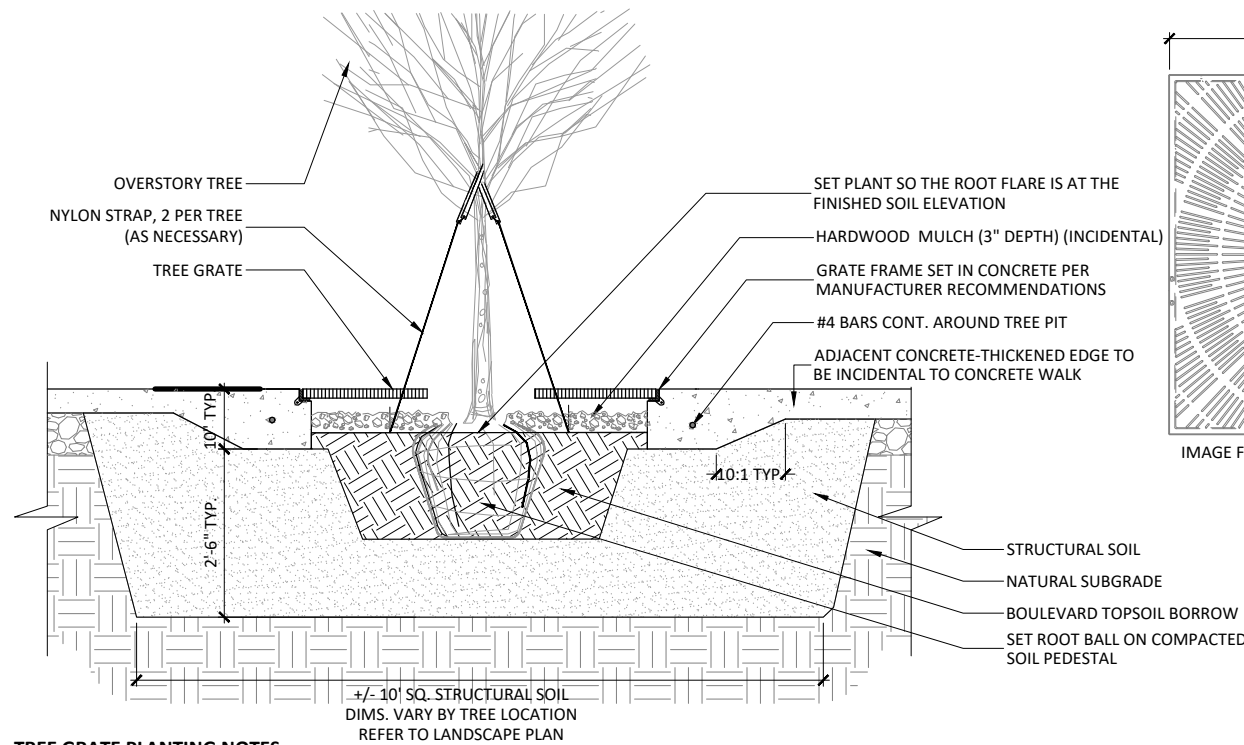
- MASTER PLANT SCHEDULE: ALL PLANT MATERIALS ARE LISTED IN THE MASTER PLANT SCHEDULE. IF THERE IS A CONFLICT BETWEEN THE QUANTITIES SHOWN ON THE DRAWING AND THE QUANTITIES SHOWN IN THE PLANT SCHEDULE, THE PLAN QUANTITIES SHALL PREVAIL.
- ALL DISTURBED AREAS SHALL RECEIVE SOD PER EROSION AND SEDIMENT CONTROL PLANS.
- CONTRACTOR TO PRESERVE AND PROTECT EXISTING TREES AND SHRUBS, UNLESS OTHERWISE NOTED. ANY PLANT MATERIAL DAMAGED DUE TO CONTRACTOR NEGLIGENCE SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.



**4 PERENNIAL / SHRUB PLANTING**  
SCALE: N.T.S.



**5 TREE PLANTING**  
SCALE: N.T.S.



**TREE GRATE PLANTING NOTES:**

- TREE GRATE - NEENAH METROPOLITAN COLLECTION R-8707 TREE GRATE AND FRAME OR APPROVED (5'X5') EQUAL
  - CAST IRON / NATURAL FINISH
  - NO OPENINGS GREATER THAN 1/4"
- REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION DETAILS
- CONTRACTOR TO USE CONCRETE EMBEDDED "L" FRAME ON ALL SIDES OF GRATE ADJACENT TO CONCRETE. SECURE PER MANUFACTURER RECOMMENDATIONS
- EACH NEW TREE PIT SHALL CONTAIN APPROXIMATELY 10 CY OF STRUCTURAL SOIL (10'X10'X2.5' DEEP) INSTALLED AND COMPACTED PER SPECIFICATIONS.
- TREE PLANTINGS WHERE THE TREE PIT IS OPEN, BLVD. TOPSOIL SHOULD BE PLACED AROUND THE TREE BALL AND ALL OPEN PLANTING AREA. STRUCTURAL SOIL SHOULD BE PLACED UNDER THE BALL TO PREVENT TREE BALL SUBSIDENCE.

**6 TYPICAL SECTION: TREE GRATE & STRUCTURAL SOIL**

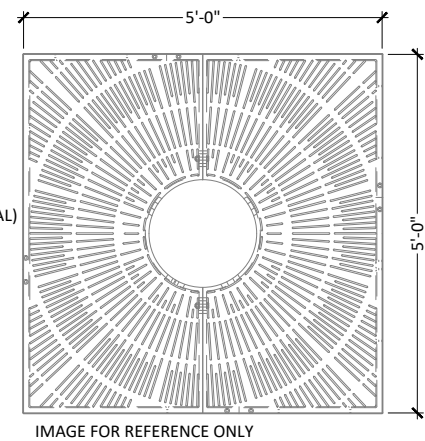
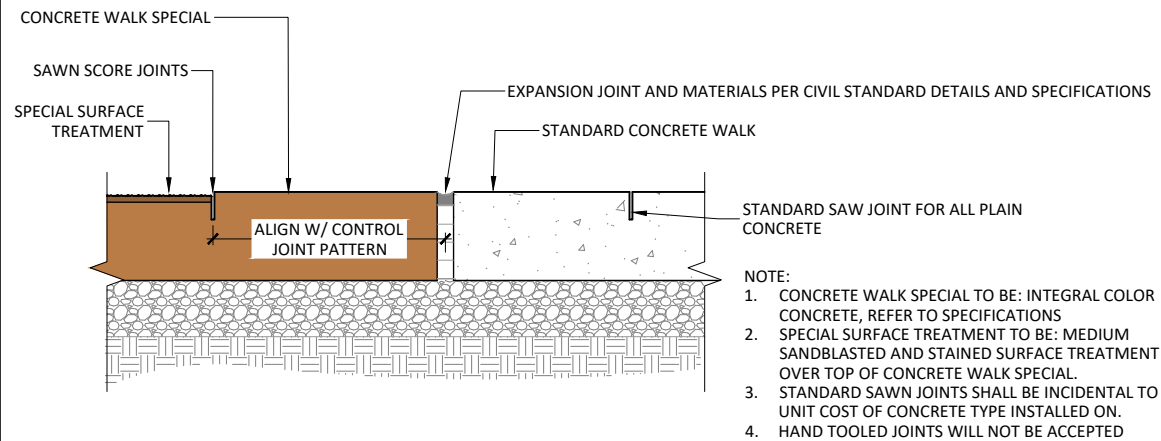
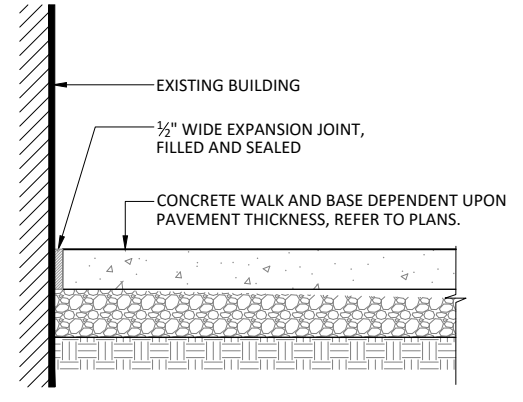


IMAGE FOR REFERENCE ONLY

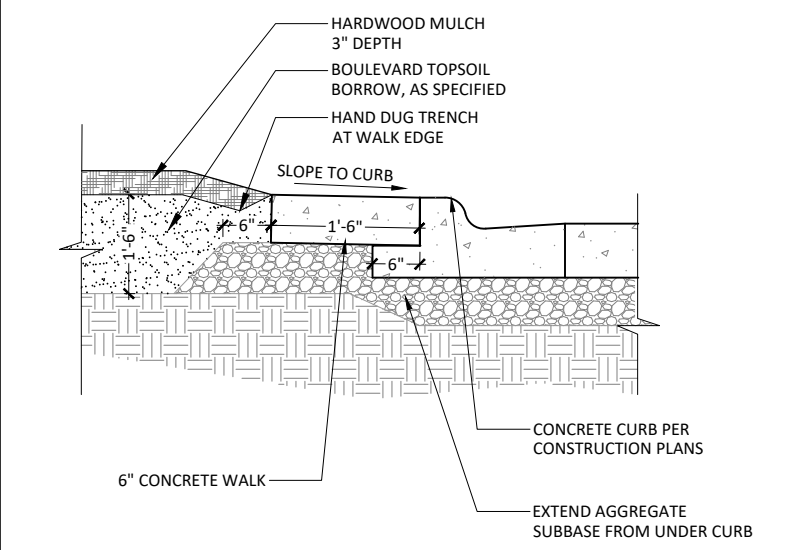


1 TYPICAL SECTION: CONCRETE SIDEWALK TYPES AND JOINTS



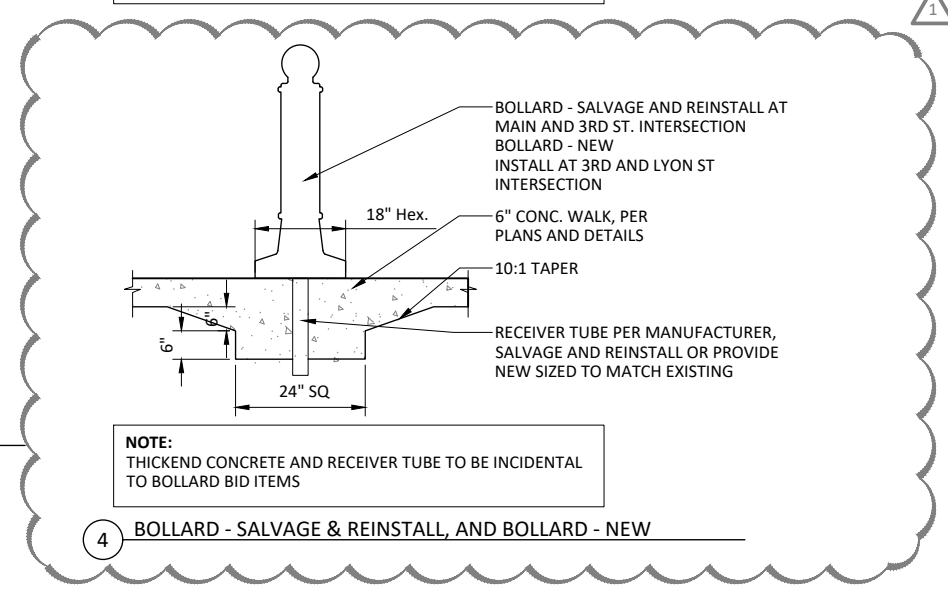
2 CONCRETE SIDEWALK AT BUILDING

- NOTE:
1. CONCRETE WALK SPECIAL TO BE: INTEGRAL COLOR CONCRETE, REFER TO SPECIFICATIONS
  2. SPECIAL SURFACE TREATMENT TO BE: MEDIUM SANDBLASTED AND STAINED SURFACE TREATMENT OVER TOP OF CONCRETE WALK SPECIAL.
  3. STANDARD SAWN JOINTS SHALL BE INCIDENTAL TO THE UNIT COST OF CONCRETE TYPE INSTALLED ON.
  4. HAND TOOLED JOINTS WILL NOT BE ACCEPTED



3 TYPICAL SECTION: LANDSCAPE BED  
SCALE: N.T.S.

NEW BOLLARD TO BE HOLOPHANE PRINCETON BOLLARD  
MODEL NUMBER: REFER TO SPECIFICATIONS, MATCH EXISTING  
COLOR TO BE SELECTED BY OWNER  
CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL



NOTE:  
THICKEND CONCRETE AND RECEIVER TUBE TO BE INCIDENTAL  
TO BOLLARD BID ITEMS

4 BOLLARD - SALVAGE & REINSTALL, AND BOLLARD - NEW

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SAMUEL J. KESSEL  
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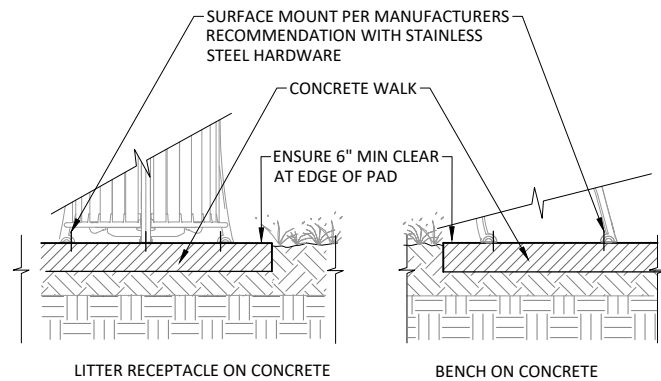
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LANDSCAPE DETAILS  
SITE FURNISHING DETAILS

SHEET  
L3.02



- NOTES:
1. REFER TO SPECS FOR MODEL AND MANUFACTURERS
  2. FIELD VERIFY LOCATION BY LANDSCAPE ARCHITECT
  3. SHIM TO LEVEL SITE FURNISHINGS

1 TYPICAL SECTION: SURFACE MOUNT FURNISHINGS



- BIKE RACK:**
1. MANUFACTURER - VICTOR STANLEY
  2. MODEL - BRHS-101, CYCLE SENTRY
  3. FINISH - POWDERCOAT, BLACK
  4. SURFACE MOUNT

OR APPROVED EQUAL

- BENCH TYPE 1:**
1. MANUFACTURER - VICTOR STANLEY
  2. MODEL - CM-324, GREENSITES COLLECTION, 6' LENGTH
  3. FINISH - POWDERCOAT, BLACK
  4. SURFACE MOUNT
  5. WOOD: RECYCLED PLASTIC

OR APPROVED EQUAL

- TRASH RECEPTACLE:**
1. MANUFACTURER - VICTOR STANLEY
  2. MODEL - SDC-36, STEEL SITES SERIES, 36 GALLON, SIDE DOOR OPENING
  3. STANDARD LINER
  4. SURFACE MOUNT

OR APPROVED EQUAL

- RECYCLING CONTAINER:**
1. MANUFACTURER - VICTOR STANLEY
  2. MODEL - SDC-36, STEEL SITES SERIES, 36 GALLON, SIDE DOOR OPENING
  3. STANDARD LINER
  4. RAISED BAND AND DECALS
  5. SIDE DEPOSIT
  6. SURFACE MOUNT

OR APPROVED EQUAL



# NOT IN CONTRACT BY OTHERS

2. MODEL: PARALLEL 42, RIGHT 45, 18X77X18
3. WOOD: IPE
3. FINISH: POWDERCOAT, STEEL

OR APPROVED EQUAL  
PRODUCT & INSTALLATION BY OTHERS.

2. MODEL: PARALLEL 42, STRAIGHT W/LEFT, 18X67X18
3. WOOD: IPE
3. FINISH: POWDERCOAT, STEEL

OR APPROVED EQUAL  
PRODUCT & INSTALLATION BY OTHERS.

**CONTACT:**  
STACY ERNST  
816-444-4376  
sitesource@landscapeforms.com

**CONTACT:** BECKY MCNAMARA  
301.855.8300 x. 375  
beckym@victorystanley.com

2 SITE FURNISHINGS

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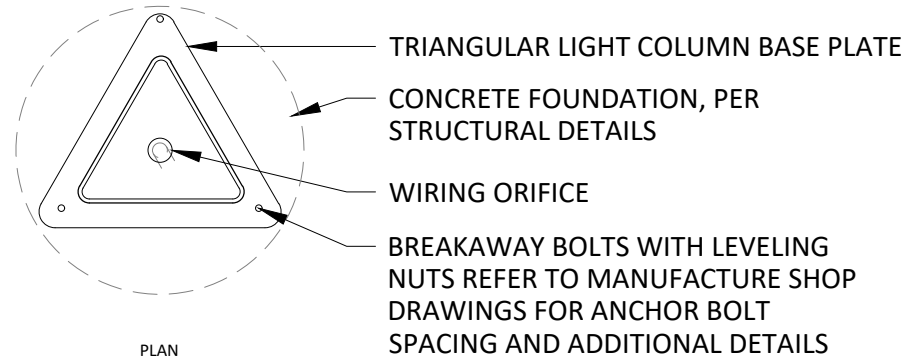
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**MANUFACTURER'S NOTES:**

GATEWAY MONUMENT COLUMN: OPEN PILLAR, 600 CM HEIGHT, POWDER-COAT  
 MANUFACTURER: STREETLIFE  
 MODEL NUMBER: OP-PIL-WI-600-PC  
 COLOR: TO BE SELECTED BY OWNER  
 CONTACT: SONNO WITJES  
 switjes@streetlife.com  
 484 496 8280



19'-8 7/32"

±2"  
 FINISH GRADE

ELEVATION

**GATEWAY MONUMENT COLUMN NOTES:**

- MEASUREMENT AND PAYMENT FOR GATEWAY MONUMENT COLUMN SHALL INCLUDE ALL SITE PREP, MATERIALS, AND LABOR REQUIRED, INCLUDING BUT NOT LIMITED TO EXCAVATION, CONCRETE FOOTINGS, STEEL STRUCTURE, METAL WORK, AND ALL ITEMS NECESSARY FOR CONSTRUCTION, FABRICATION, AND INSTALLATION COMPLETE.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL MATERIALS AND CONNECTIONS SIGNED BY CONTRACTOR'S STRUCTURAL ENGINEER IF CUSTOM FABRICATED FOR ALL METAL WORK. ALL MATERIAL SIZING IS FOR AESTHETIC PURPOSES ONLY. CONTRACTOR RESPONSIBLE TO CONFIRM STRUCTURAL SUITABILITY AND FABRICATION FOR ANY CUSTOM FABRICATION. SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR'S SCHEDULE SHALL ALLOW 15 CALENDAR DAYS FOR ENGINEER'S REVIEW.
- ALL CONNECTIONS SHALL FOLLOW MANUFACTURER RECOMMENDATION AND SHOP DRAWINGS
- ALL METAL COMPONENTS SHALL POWDER COATED PER MANUFACTURER'S STANDARDS. COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS. CONTRACTOR TO SUBMIT COLOR CHIPS FOR REVIEW AND SELECTION BY THE OWNER.
- ALL EXPOSED CONCRETE TO BE FINISHED WITH A SLURRY COAT RUBBED SMOOTH TO CREATE A UNIFORM FINISH.
- CONTRACTOR TO PROVIDE MANUFACTURER OF GATEWAY COLUMN ALL DETAILS AND DOCUMENTATION OF LIGHT UNIT TYPE D ACCENT LIGHT FOR INCORPORATION OF REQUIRED MOUNTING PLATE ON THE INTERIOR OF THE COLUMN. LIGHT MOUNTING ACCOMMODATIONS MUST BE INCLUDED IN THE SHOP DRAWINGS AND REVIEWED IN CONJUNCTION WITH LIGHT UNIT TYPE D SHOPS.
- REFER TO ELECTRICAL PLANS FOR MORE INFORMATION.

LIGHT FIXTURE ACCESS HATCH

LIGHT FIXTURE TYPE D WITH JUNCTION BOX AS REQUIRED FOR ELECTRICAL CONNECTIONS, SEE MANUFACTURER'S NOTES

BREAKAWAY BOLTS WITH LEVELING NUTS

CONCRETE FOUNDATION WITH EMBEDDED CONDUIT

GROUT FILL

CONCRETE FOOTING PER STRUCTURAL ENGINEER DETAILS ON S SERIES SHEETS

1 GATEWAY MONUMENT COLUMN W/LIGHT  
 SCALE: NTS

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