

Revised: 10/15/2021
Drawing Title: EXISTING CONDITIONS
Drawing No.: C101
Project No.: 102212854
Scale: AS NOTED
Client: THERMO KING
BLOOMINGTON, MN
Project: SOUTH FACILITY ENTRANCE
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Project: SOUTH FACILITY ENTRANCE

PL202100221 PL2021-221

TEMPORARY EROSION CONTROL NOTES:

1. INSTALL PERIMETER AND SEDIMENT CONTROL ITEMS PRIOR TO CONSTRUCTION.
2. THE SURFACE OF ALL SLOPES MORE THAN THREE (3) FEET IN VERTICAL HEIGHT AND STEEPER THAN 5:1 SHALL BE COVERED WITH CITY OF BLOOMINGTON APPROVED EROSION CONTROL BLANKETS. INSTALLATION SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS. DEVIATIONS FROM THIS REQUIREMENT SHALL BE SUBMITTED IN WRITING WITH AN ALTERNATIVE PLAN FOR TEMPORARY EROSION CONTROL. THIS PLAN SHALL BE APPROVED BY THE CITY ENGINEER.
3. INSTALLATION OF THE EROSION BLANKETS SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY'S PUBLIC WORKS INSPECTOR PRIOR TO ACCEPTANCE OF ROUGH GRADING AND SHALL BE PER THE MANUFACTURER'S SPECIFICATIONS.
4. RESTORATION REQUIREMENTS ARE SHOWN AT A MINIMUM. ADDITIONAL RESTORATION MAY BE REQUIRED IF THERE IS ADDITIONAL SOIL DISTURBANCE.

0 15 30.0001 Feet

LEGEND:

- BITUMINOUS PAVEMENT
- CONCRETE
- FACILITY
- BRICK WALKWAY
- GRASS
- MULCHED LANDSCAPING
- EXISTING CONTOUR
- STORM SEWER INLET
- SIGN
- TREE
- LIGHT POLE

PROJECT BENCHMARK:

HORIZONTAL - MINNESOTA STATE PLANE
SOUTH (NAD83)
VERTICAL - NAVD 88

CONTROL POINT - TOP NUT OF FIRE HYDRANT
NORTHING: 1030132.34'
EASTING: 2810207.47'
ELEV: 836.40'

PARKING SUMMARY:

112 REGULAR
2 HANDICAP
2 HANDICAP WHEEL CHAIR ACCESS

NO.	DATE	ISSUE/REVISION	DRAWN	CHECKED

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

Pinnacle Engineering

11541 96th Ave N
Minneapolis, MN 55369
(763) 315-4501
www.pine-ng.com

DATE	DRAWN	DESIGNED	CHECKED	APPROVED
10/15/2021	ASM	ASM	BAK	BAK

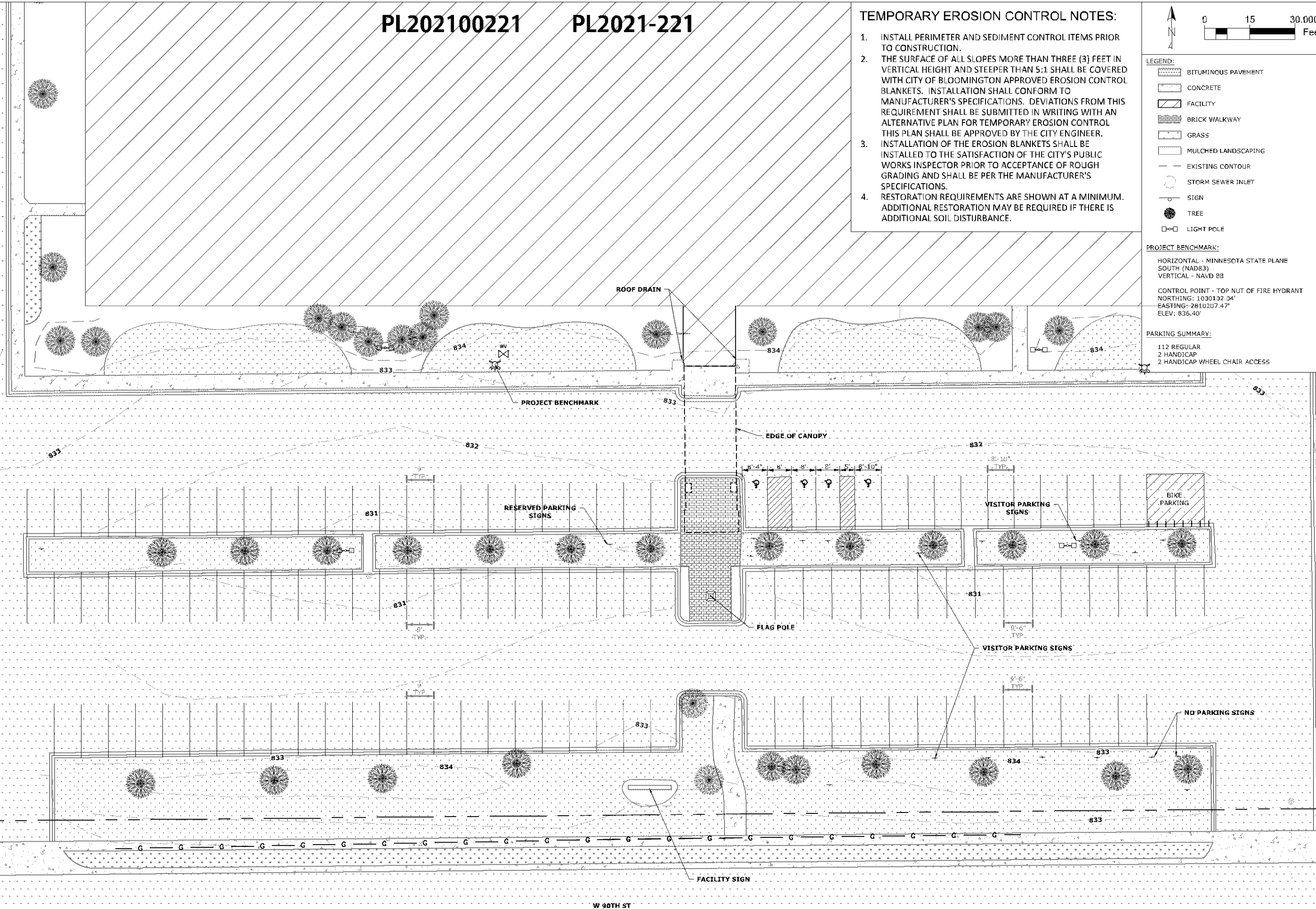
PROJECT: SITE PLAN
CLIENT: THERMO KING
BLOOMINGTON, MN

KOMA

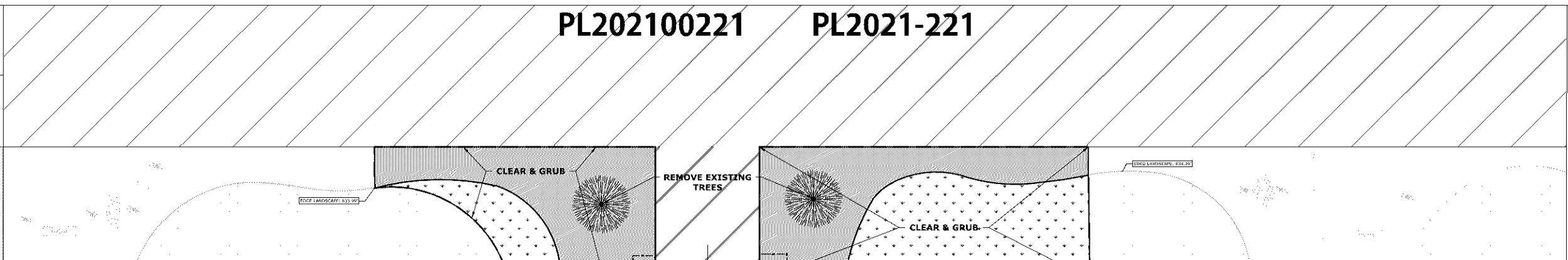
DRAWING TITLE: EXISTING CONDITIONS
SOUTH FACILITY ENTRANCE

PROJECT NO.: 102212854
DRAWING NO.: C101

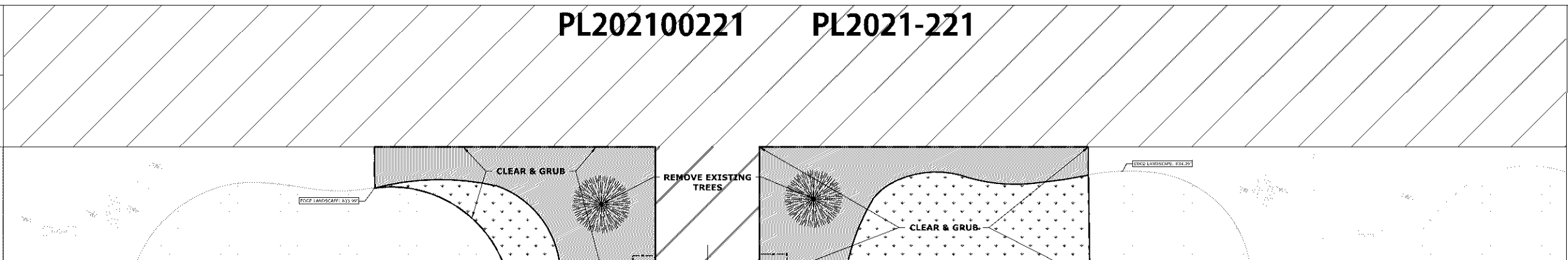
SCALE: AS NOTED



W 90TH ST



1. REMOVALS TO INCLUDE STOCKPILING, REMOVING AND PROPERLY DISPOSING OF MATERIALS AND WASTE IN ACCORDANCE WITH THE APPLICABLE RULES AND STATUTES OF THE STATE OF MINNESOTA AND ORDINANCES OF THE CITY OF BLOOMINGTON.
2. REMOVE EXISTING PAVEMENT SECTION, INCLUDING BASE. REMOVE SOFT OR UNSUITABLE MATERIALS BENEATH PAVEMENT, UP TO THREE FEET BELOW EXISTING GRADE. AREAS REQUIRING DEEPER EXCAVATION WILL BE DETERMINED AT TIME OF CONSTRUCTION.
3. AFTER CANOPY AND COLUMNS ARE REMOVED, REMOVE AND STOCKPILE BRICK PAVERS SURROUNDING COLUMNS IN ISLAND TO THE EXTENT REQUIRED TO BE ABLE TO REPLACE WITH LIKE MATERIAL AND UNBROKEN REPLACEMENT PAVING STONES.
4. CONTRACTOR TO REMOVE LARGE LIMESTONE ROCKS AT ENTRANCE AND TEMPORARILY STORE THEM IN THE FRONT PARKING AREA AS DESIGNATED BY OWNER. REPLACE AFTER ENTRY WAY CONSTRUCTION AND REPAIR OF IRRIGATION SYSTEM IS COMPLETED, AS DIRECTED BY THE OWNER OR THE OWNER'S LANDSCAPING CONTRACTOR.
5. REPLACE TREES AS NOTED ON SHEET C401.

[illegible]

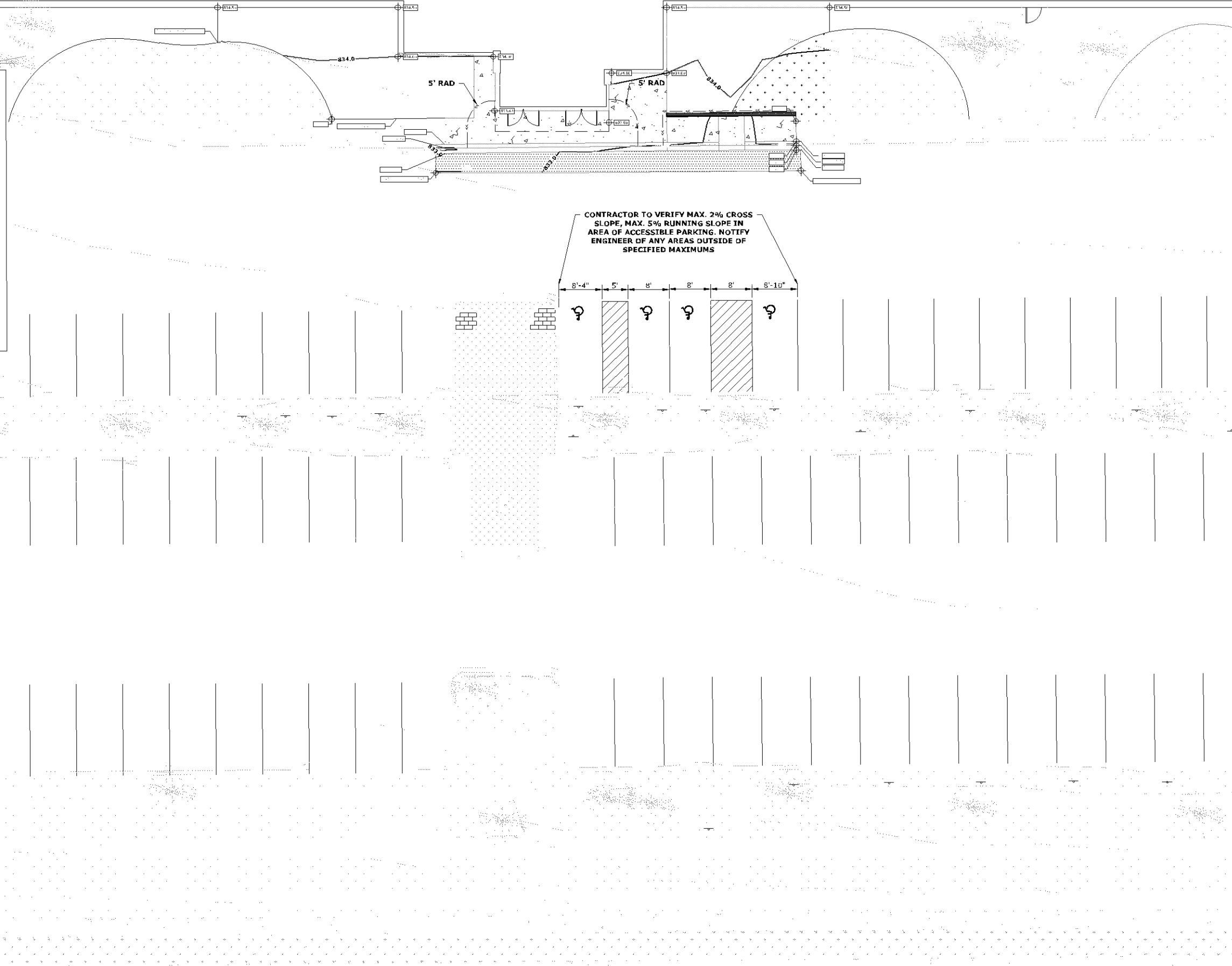


LEGEND:

-  PROPOSED CONTOUR
 EXISTING CONTOUR
 BITUMINOUS PAVEMENT
 CONCRETE
 GRASS
 MULCHED LANDSCAPING

GRADING NOTES:

1. PLACE CLASS 5 BASE PER MNDOT STANDARD SPECIFICATION SECTION 3138 AS THE BASE COURSE.
2. PLACE ENGINEERED FILL, INCLUDING THE BASE COURSE, AT +3/-1 PERCENTAGE POINTS OF OPTIMUM MOISTURE AND COMPACT TO 95% OF ITS STANDARD PROCTOR DENSITY (ASTM D 698).
3. SUITABLE BACKFILL MATERIAL TO MEET PROPOSED SUBGRADE ELEVATION INCLUDES MINERAL SOILS FREE OF ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIALS.
4. SITE SOILS TO BE USED OR REUSED AS BACKFILL MUST BE WITHIN SPECIFIED MOISTURE CONTENTS AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
5. PROOFROLL OR OTHERWISE VERIFY SUBGRADE FOR ACCEPTANCE PRIOR TO PLACING CLASS 5 BASE.
6. DEWATERING MAY BE REQUIRED TO MAINTAIN A DRY EXCAVATION, ACCEPTABLE FOR PLACEMENT OF FILL MATERIAL. DO NOT PLACE FILL MATERIAL INTO STANDING WATER OR ONTO SOFT SUBGRADE SOILS.
7. REFER TO SHEET C000 FOR GENERAL NOTES.



PL202100221 **PL2021-221**

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Engineering**

11541 96th Ave N.
Minneapolis, MN 55369
(763) 315-4501
www.pinnacleeng.com

DATE:	10/15/2021
DRAWN:	ASM
DESIGNED:	ASM
CHECKED:	BAK
APPROVED:	BAK

PROJECT	SITE PLAN THERMO KING BLOOMINGTON, MN
CLIENT	

DRAWING TITLE	SITE GRADING PLAN	
	SOUTH FACILITY ENTRANCE	
PROJECT NO.	14202212664	DRAWING NO.
SCALE:	AS NOTED	C301

01020Feet

LEGEND:

BITUMINOUS PAVEMENT

CONCRETE

BRICK WALKWAY

GRASS

MULCHED LANDSCAPING

PROPOSED DRAINTILE

SIGN

TREE

PL202100221

PL2021-221

PAVING NOTES:

1.

CONCRETE WILL BE A STANDARD PORTLAND CEMENT MIX OF 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, SLUMP OF 4 INCHES +/- 1 INCH, AND AIR ENTRAINMENT OF 5 TO 8 PERCENT AT POINT OF DELIVERY FOR NOMINAL ¾-INCH MAXIMUM AGGREGATE SIZE. MIXES INCLUDING REPLACEMENT OF UP TO 25% OF THE PORTLAND CEMENT WITH FLYASH MAY BE USED. ONLY ONE MIX WILL BE USED FOR THE PROJECT. FURNISH BATCH TICKET INFORMATION.

2.

JOINTING: SIDEWALK JOINTS EVERY 5 FEET.

3.

FINISHING: BROOM FINISH AND ALLOW THE SURFACE WATER TO DISSIPATE COMPLETELY. PROTECT THE AREA FROM BLOWING DUST AND DEBRIS. APPLY TK-ONE STEP (TK PRODUCTS), ACRYLIC COPOLYMER/SILOXANE BLEND SEALANT, OR EQUAL, TO CURE AND SEAL CONCRETE AND PROTECT AGAINST SALT INTRUSION AND FREEZE/ THAW CYCLES.

SURFACE TREATMENT NOTES:

1.

REPLACE STOCKPILED LANDSCAPING ROCKS AS DIRECTED BY THE OWNER OR THE OWNER'S LANDSCAPING CONTRACTOR.

2.

MAINTAIN 9 FEET OF CLEAR SPACE FOR REPLACING TREES NEXT TO THE ENTRY. TREES WILL BE PLANTED DURING SPRING FOR BEST SURVIVAL RATES. SUPPLY AND PLANT B&B AMERICAN SENTRY LINDEN (TILIA AMERICANA 'MCKSENTRY') OR QUAKING ASPEN (POPULUS TREMULOIDES).

The diagram is a site plan for a surface treatment plan. It shows a large paved area with various materials and construction details. Key features include:

- PAVING LAYOUT:** A large paved area with dimensions of 22'-8" and 48'. The paving is divided into sections with different materials: BITUMINOUS PAVEMENT, CONCRETE, BRICK WALKWAY, GRASS, and MULCHED LANDSCAPING.
- RETAINING WALL:** A retaining wall is shown on the right side of the paved area, with a callout indicating "RETAINING WALL. SEE DETAIL 1 & DETAIL 3 ON SHEET C501".
- PROPOSED ROOF DRAIN CONNECTION:** A callout points to a proposed roof drain connection on the right side of the paved area.
- ASPHALT PAVING:** A callout points to an asphalt paving area, with a reference to "DETAIL 4 ON SHEET C501".
- BRICK PAVERS:** A callout points to brick pavers that match existing in the location of removed canopy pillars.
- HANDICAP STALL STRIPING:** A callout points to handicap stall striping, with a reference to "REVISE HANDICAP STALL STRIPING AS SHOWN".
- MAINTAIN MIN. 9' CLEARANCE (TYP):** A callout points to a minimum 9-foot clearance area.

The plan also shows landscaping elements, including trees and mulched areas, and a proposed daintile area. Dimensions and material specifications are provided throughout the plan.

1.

PLACE CLASS 5 BASE PER MNDOT STANDARD SPECIFICATION SECTION 3138 AS THE BASE COURSE.

2.

PLACE ENGINEERED FILL, INCLUDING THE BASE COURSE, AT +3/-1 PERCENTAGE POINTS OF OPTIMUM MOISTURE AND COMPACT TO 95% OF ITS STANDARD PROCTOR DENSITY (ASTM D 698).

3.

SUITABLE BACKFILL MATERIAL TO MEET PROPOSED SUBGRADE ELEVATION INCLUDES MINERAL SOILS FREE OF ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIALS.

4.

SITE SOILS TO BE USED OR REUSED AS BACKFILL MUST BE WITHIN SPECIFIED MOISTURE CONTENTS AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.

5.

PROOFROLL OR OTHERWISE VERIFY SUBGRADE FOR ACCEPTANCE PRIOR TO PLACING CLASS 5 BASE.

6.

DEWATERING MAY BE REQUIRED TO MAINTAIN A DRY EXCAVATION, ACCEPTABLE FOR PLACEMENT OF FILL MATERIAL. DO NOT PLACE FILL MATERIAL INTO STANDING WATER OR ONTO SOFT SUBGRADE SOILS.

7.

REFER TO SHEET C000 FOR GENERAL NOTES.

DATE: 10/15/2021

DRAWN: ASM

DESIGNED: ASM

CHECKED: BAK

APPROVED: BAK

PROJECT: SITE PLAN THERMO KING BLOOMINGTON, MN

CLIENT: KOMA

DRAWING TITLE: SURFACE TREATMENT PLAN SOUTH FACILITY ENTRANCE

DRAWING NO.: C401

PROJECT NO.: IN20212854

SCALE: AS NOTED

ISSUED FOR REVIEW

NOT FOR CONSTRUCTION

Pinnacle Engineering

11541 95th Ave N

Minneapolis, MN 55569

(763) 315-4501

www.pineeng.com

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NO.

DATE

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DRAWN

CHECK

Revised: Eric N. J. [Redacted] - L. Client: Koma Thermal King City Engineering Services Bloomington, MN/Koma/C401 - Surface Treatment Plan.dwg
Plotted Date: Oct 22, 2021