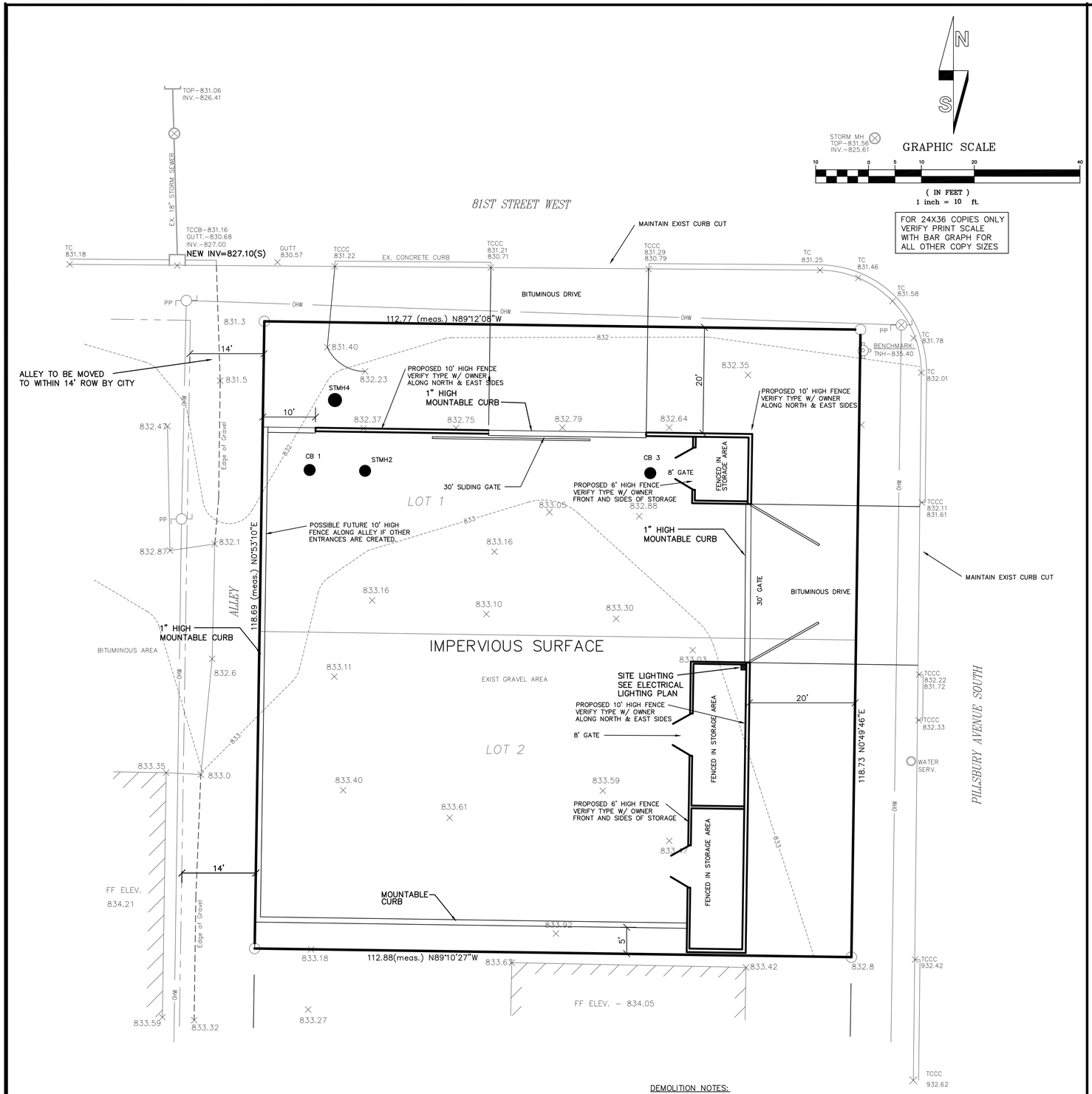

DEMOLITION NOTES:

1. REMOVE EXISTING FENCE IN ITS ENTIRETY

OWNER
8100 PILLSBURY PROPERTY
8116 PILLSBURY AVE. S.
BLOOMINGTON, MN.
GREG PIETIG
1-952-239-4002

ENGINEER
D"HEILLY ENGINEERING INC.
625 LAKE DR. W.
P.O. BOX 1123
ANNANDALE, MN.
GARY D'HEILLY
1-320-224-1169

SURVEYOR
HY-LAND SURVEYING P.A.
11947 IDAHO AVE. N.
CHAMPLIN, MN
MILT HYLAND
1-763-323-1300

CALL 48 HOURS BEFORE DIGGING:
GOPHER STATE ONE CALL
TWIN CITY AREA 454-0002
MINNESOTA TOLL FREE 1-800-252-1166

REVISIONS:

DATE

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

Gary D'Heilly

DATE: _____ REG. NO. 22426

DESIGNED: GLD

DRAWN BY: LCD

CHECKED BY:

D'Heilly Engineering Inc.
625 Lake Dr. W
P.O. Box 1123
Annandale, MN 55302
Phone (320) 224-1169

PILLSBURY TRUCK STORAGE
BLOOMINGTON, MINNESOTA

SITE PLAN

PRELIMINARY CONSTRUCTION PLANS

PROJECT NO. 150203

SHEET NO. 1 OF 5

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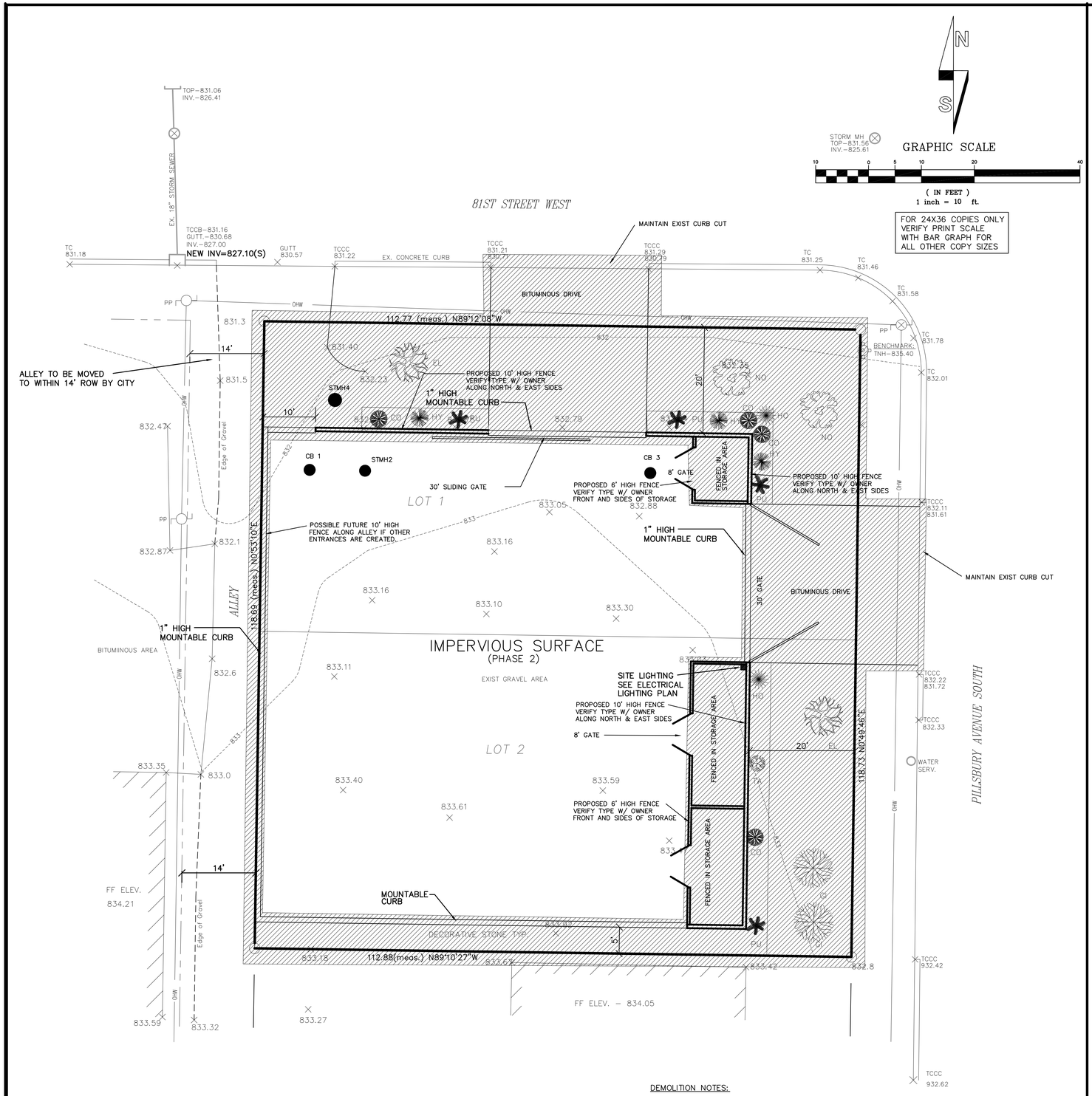

DEMOLITION NOTES:

1. REMOVE EXISTING FENCE IN ITS ENTIRETY

PHASE 1 CONSTRUCTION
(TO BE COMPLETED BY MAY 15TH 2017)

1. CONC. CURB ON SITE
2. 10' HIGH FENCE
3. 6' HIGH STORAGE FENCE
4. BITUMINOUS DRIVE
5. GATES FROM PILLSBURY AND 81ST.
6. LANDSCAPING
7. SITE LIGHTING

OWNER
8100 PILLSBURY PROPERTY
8116 PILLSBURY AVE. S.
BLOOMINGTON, MN.
GREG PIETIG
1-952-239-4002

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TWIN CITY AREA 454-0002
MINNESOTA TOLL FREE 1-800-252-1166

PHASE 1

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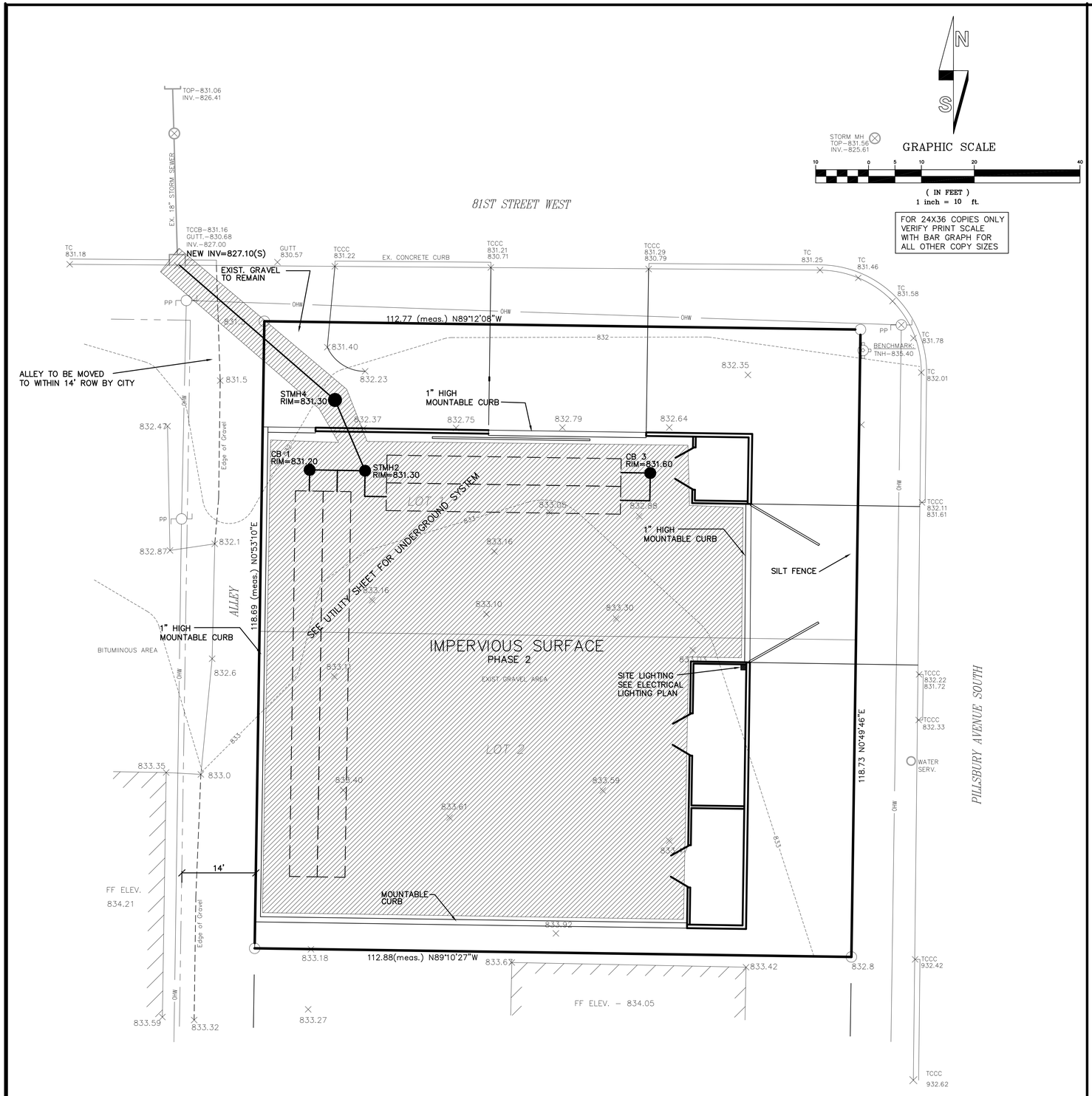
Phone (320) 224-1169

PILLSBURY TRUCK STORAGE
BLOOMINGTON, MINNESOTA

SITE PLAN
PRELIMINARY CONSTRUCTION PLANS

PROJECT NO. 150203

SHEET NO. 1A OF 5



PHASE 2 CONSTRUCTION
(TO BE COMPLETED BY MAY 15TH 2018)

1. STORM SEWER SYSTEM INCLUDING UNDERGROUND HOLDING SYSTEM
2. CONC. STORAGE LOT PAVEMENT

OWNER
8100 PILLSBURY PROPERTY
8116 PILLSBURY AVE. S.
BLOOMINGTON, MN.
GREG PIETIG
1-952-239-4002

ENGINEER
D"HEILLY ENGINEERING INC.
625 LAKE DR. W.
P.O. BOX 1123
ANNANDALE, MN.
GARY D'HEILLY
1-320-224-1169

SURVEYOR
HY-LAND SURVEYING P.A.
11947 IDAHO AVE. N.
CHAMPLIN, MN
MILT HYLAND
1-763-323-1300

PHASE 2

CALL 48 HOURS BEFORE DIGGING:
GOPHER STATE ONE CALL
TWIN CITY AREA 454-0002
MINNESOTA TOLL FREE 1-800-252-1166

REVISIONS: | DATE

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Gary D'Heilly
DATE: REG. NO. 22426

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P.O. Box 1123
Annandale, MN 55302
Phone (320) 224-1169

PILLSBURY TRUCK STORAGE
BLOOMINGTON, MINNESOTA

SITE PLAN

PRELIMINARY CONSTRUCTION PLANS

PROJECT NO. 150203

SHEET NO. 1B OF 5

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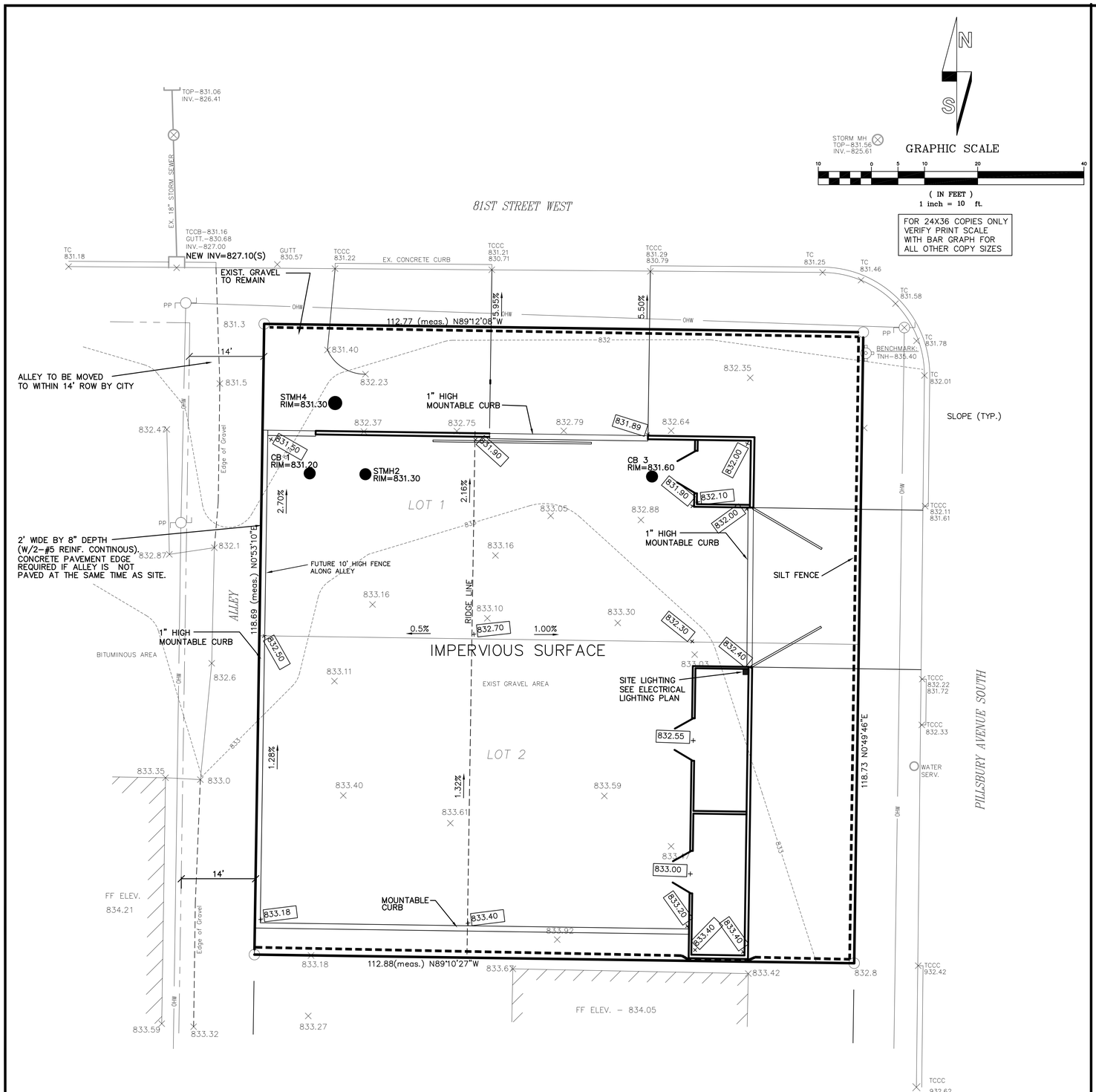

SWPP & EROSION CONTROL NOTES:

1. GRADING CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION WITH THE RESPECTIVE UTILITY COMPANIES.

2. ALL EROSION CONTROL MEASURES CALLED FOR ON THESE PLANS AND SPECIFICATIONS, WHICH MAY INCLUDE SILT FENCE, SEDIMENTATION BASINS OR TEMPORARY SEDIMENT TRAPS, SHALL BE CONSTRUCTED AND SERVICEABLE IN THE FOLLOWING ORDER:

   a. ROCK CONSTRUCTION ENTRANCES A MINIMUM OF 50 FEET.
   b. SILT FENCE.
   c. STORM WATER POND CONSTRUCTION.
   d. COMMON EXCAVATION AND EMBANKMENT (GRADING)
   e. SEED AND MULCH OR SOD.
   f. STRAW BALE BARRIERS IN FINISHED GRADED AREAS.
   g. INLET AND OUTLET FACILITIES SUBSEQUENT TO STORM SEWER WORK.

3. GRADING CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EROSION CONTROL MEASURES AS SHOWN ON THESE PLANS AND SPECIFICATIONS AND IMPLEMENT ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY IN ORDER TO PROTECT ADJACENT PROPERTY AND COMPLY WITH SWPP REGULATIONS.

4. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING GRADING OPERATIONS. IF THE GRADING CONTRACTOR SIGNED THE NPDES PERMIT, HE SHALL MAINTAIN THE EROSION CONTROL MEASURES UNTIL THE PERMIT IS TRANSFERED OR TERMINATED AND CLEARED BY THE NPDES PERMIT ENFORCEMENT AGENCY, IF THE NPDES PERMIT IS TRANSFERED TO ANOTHER COMPANY THAT COMPANY SHALL MAINTAIN THE SWPP REQUIREMENTS.
   ANY TEMPORARY FACILITIES WHICH ARE TO BE REMOVED AS CALLED FOR ON THESE PLANS AND SPECIFICATIONS SHALL BE REMOVED BY THE GRADING CONTRACTOR WHEN DIRECTED BY THE ENGINEER. THE GRADING CONTRACTOR SHALL THEN RESTORE THE SUBSEQUENTLY DISTURBED AREA IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.

5. THE GRADING CONTRACTOR SHALL SCHEDULE THE SOILS ENGINEER SO THAT CERTIFICATION OF ALL CONTROLLED FILLS WILL BE FURNISHED TO THE OWNER DURING AND UPON COMPLETION OF THE PROJECT.

6. ALL DISTURBED AREAS, EXCEPT STREETS, SHALL BE COVERED WITH A MINIMUM 4" OF TOP SOIL. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED PER THE FOLLOWING SCHEDULES:
   IF NOT WORKED
   STEEPER THAN 3:1 7 DAYS
   10:1 TO 3:1 14 DAYS
   FLATTER THAN 10:1 21 DAYS
   WHEN FINAL GRADING IS COMPLETED:
   STEEPER THAN 3:1 4 DAYS
   10:1 TO 3:1 7 DAYS
   FLATTER THAN 10:1 10 DAYS
   THE SEED MIX SHALL BE 80B UNLESS NOTED OTHERWISE.

7. THE EXISTING TOPOGRAPHY AND CONTOUR ELEVATIONS SHOWN ON THE PLAN WERE TAKEN FROM A PLAN FURNISHED BY OWNER.

8. CONTRACTORS GRADING AND EROSION CONTROL OPERATIONS SHALL TAKE PLACE WITHIN THE CONSTRUCTION LIMITS.

9. IT IS REQUIRED THAT SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES BE CLEANED DAILY FROM PAVED ROADWAY SURFACES THROUGHOUT THE DURATION OF CONSTRUCTION.

10. PROVIDE TEMPORARY SEDIMENTATION BASINS AS DIRECTED BY THE ENGINEER.

SWPP COMPLIANCE NOTE:

THIS PLAN IS A WORKING PLAN, CONTRACTOR/DEVELOPER SHALL MODIFY THE EROSION CONTROL AS NEEDED DURING CONSTRUCTION TO BE IN COMPLIANCE WITH SWPP REQUIREMENTS.

CALL 48 HOURS BEFORE DIGGING:
GOPHER STATE ONE CALL
TWIN CITY AREA 454-0002
MINNESOTA TOLL FREE 1-800-252-1166

REVISIONS:

DATE	

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Gary D'Heilly DATE: REG. NO. 22426

DESIGNED: GLD
DRAWN BY: LCD
CHECKED BY:

D'Heilly Engineering Inc.
625 Lake Dr. W
P.O. Box 1123
Annandale, MN 55302
Phone (320) 224-1169

PILLSBURY TRUCK STORAGE
BLOOMINGTON, MINNESOTA
GRADING PLAN
PRELIMINARY CONSTRUCTION PLANS

PROJECT NO. 150203

SHEET NO. 2 OF 5

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DESIGN NOTE:

BIOFILTRATION BED SIZE

9,936 SF – RUNOFF AREA
X 1.5"/12 – 1.5" OF RUNOFF
1,242 CF (0.0285AF)Min.

TOTAL VOLUME NEEDED FOR PRE-POST = 0.045AF

15% STONE VOID MAX.

N

S

STORM MH
TOP-831.56
INV.-825.61

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

FOR 24X36 COPIES ONLY
VERIFY PRINT SCALE
WITH BAR GRAPH FOR
ALL OTHER COPY SIZES

81ST STREET WEST

TOP-831.06
INV.-826.41

EX. 18" STORM SEWER

TCCB-831.16
GUTT.-830.68
INV.-827.00
NEW INV=827.10(S)

TC 831.18
GUTT 830.57
TCCC 831.22
EX. CONCRETE CURB
TCCC 831.21 830.71
TCCC 831.29 830.79
TC 831.25
TC 831.46
TC 831.58
TC 831.78
TC 832.01
TCCC 832.11 831.61
TCCC 832.22 831.72
TCCC 832.33
TCCC 932.42
TCCC 932.62

36LF 10" HDPE @ 0.9% SLOPE
3LF 8" HDPE
8X10 REDUCER

ALLEY TO BE MOVED TO WITHIN 14' ROW BY CITY

13LF 12" HDPE @ -0.4% SLOPE

CB1
RIM=831.20

STMH4
30" NYLOPLAST BASIN
SEE ADS DRAWINGS FOR DETAIL
RIM=831.40
INV=827.45(NW-OUTLET CONTROL)
INV=827.35(SE)
SUMP=825.50

STMH2
RIM=831.30

CB3
RIM=831.60

1" HIGH MOUNTABLE CURB

112.77 (meas.) N89°12'08"W

BENCHMARK:
TNH-835.40

FENCED IN STORAGE AREA

LOT

REFERENCE ADS DRAWINGS FOR UNDERGROUND SYSTEM

RIDGE LINE

MAINTAIN EXIST CURB CUT FOR FUTURE ENTRANCE

ALLEY

118.69 (meas.) N0°53'10"E

BITUMIINOUS AREA

IMPERVIOUS SURFACE

EXIST GRAVEL AREA

SITE LIGHTING
SEE ELECTRICAL
LIGHTING PLAN

LOT 2

PROPOSED 10' HIGH FENCE
VERIFY STYLE W/ OWNER
ALONG NORTH & EAST SIDES

118.73 N0°49'46"E

WATER SERV.

PILLSBURY AVENUE SOUTH

14'

FF ELEV.
834.21

Edge of Gravel

MOUNTABLE CURB

112.88(meas.) N89°10'27"W

FF ELEV. – 834.05

OHW

CALL 48 HOURS BEFORE DIGGING:
GOPHER STATE ONE CALL
TWIN CITY AREA 454-0002
MINNESOTA TOLL FREE 1-800-252-1166

REVISIONS:

DATE	

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Gary D'Heilly

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P.O. Box 1123
Annandale, MN 55302
Phone (320) 224-1169

PILLSBURY TRUCK STORAGE
BLOOMINGTON, MINNESOTA
UTILITY PLAN
PRELIMINARY CONSTRUCTION PLANS

PROJECT NO. 150203

SHEET NO. 3 OF 5

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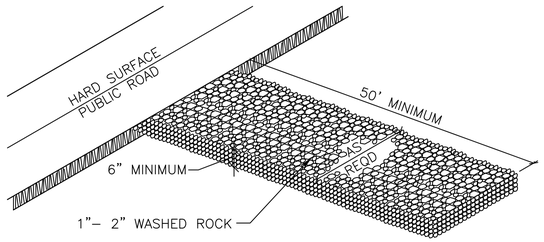
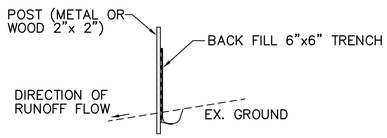


ROCK CONSTRUCTION AT SITE ENTRANCE

NOT TO SCALE



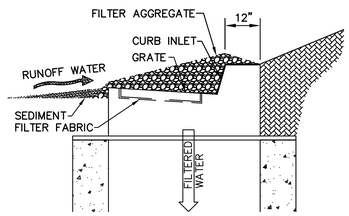
NOTES:

1. INSTALL SILT FENCE DOWN SLOPE OF ALL DISTURBED AREAS.
2. POSTS SHALL BE SPACED 4.0' APART.

SILT FENCE DETAIL

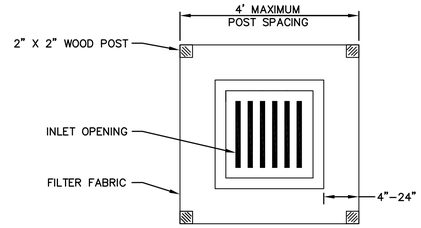
NOT TO SCALE

NOTES: 1. FILTER AGGREGATE TO BE 1 TO 2 INCH CLEAN ROCK.
2. FILTER FABRIC SHALL MEET MN/DOT SPECIFICATION 3733 GEOTEXTILE FABRIC TYPE II.



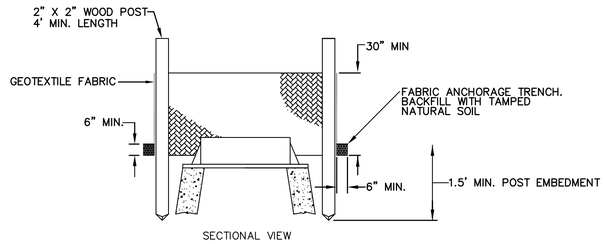
INLET PROTECTION-FILTER AGGREGATE

NOT TO SCALE
(USE IF GEOTEXTILE BAG HAS NOT BEEN INSTALLED AND CLASS 5 HAS BEEN INSTALLED)



PLAN VIEW

NOTES: 1. FILTER AGGREGATE TO BE 1 TO 2 INCH CLEAN ROCK.
2. FILTER FABRIC SHALL MEET MN/DOT SPECIFICATION 3733 GEOTEXTILE FABRIC TYPE II.



SECTIONAL VIEW

NOTE:

1. SILT FENCE SHALL CONFORM TO THE REQUIREMENTS OF (3886)

INLET PROTECTION-PREASSEMBLED

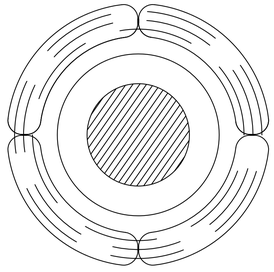
NOT TO SCALE
(INSTALL AROUND CASTING PRIOR TO CLASS 5 INSTALLATION)

FILL ROCK LOG WITH 45 LBS. OF OPEN GRADED AGGREGATE CONSISTING OF SOUND, DURABLE PARTICLES OF CRUSHED QUARRY ROCK OR GRAVEL CONFORMING TO THE FOLLOWING GRADATION.

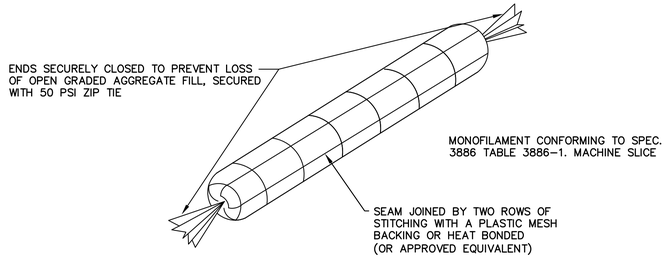
GRADATION	
SIEVE SIZE	PERCENT PASSING
1 1/2"	100
1"	95–100
3/4"	65–95
3/8"	30–65
NO. 4	10–35
NO. 10	3–20
NO. 40	0–8
NO. 200	0–3

NOTE:
CRUSHED CONCRETE OR BITUMINOUS SHALL NOT BE USED FOR OPEN GRADED AGGREGATE

PAYMENT SHALL INCLUDE ALL MATERIALS, FILLING OF LOG, PLACEMENT, MAINTENANCE & REMOVAL. 80% OF BID PRICE SHALL BE PAID UPON PROPER PLACEMENT WITH THE FINAL 20% PAID UPON REMOVAL.

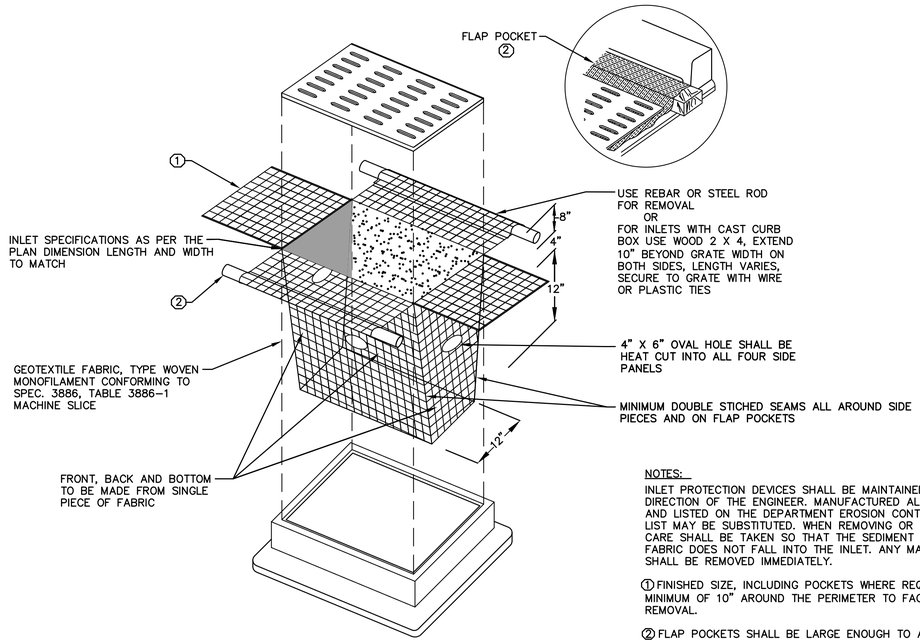


INLET PROTECTION
WITH ROCK LOG



INLET PROTECTION-ROCK BAG

NOT TO SCALE
(USE AT STRUCTURES NOT LOCATED IN THE STREET)



INLET PROTECTION-GEOTEXTILE BAG

NOT TO SCALE
(INSTALL AS SOON AS CASTING HAS BEEN SET)

NOTES:

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES:
DO NOT INSTALL PROTECTION IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

REVISIONS:

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Gary D'Heilly

DATE: REG. NO. 22426

DESIGNED: GLD
DRAWN BY: LCD
CHECKED BY: GLD

D'Heilly Engineering Inc.
625 Lake Dr. W
P.O. Box 1123
Annandale, MN 55302
Phone (320) 224-1169

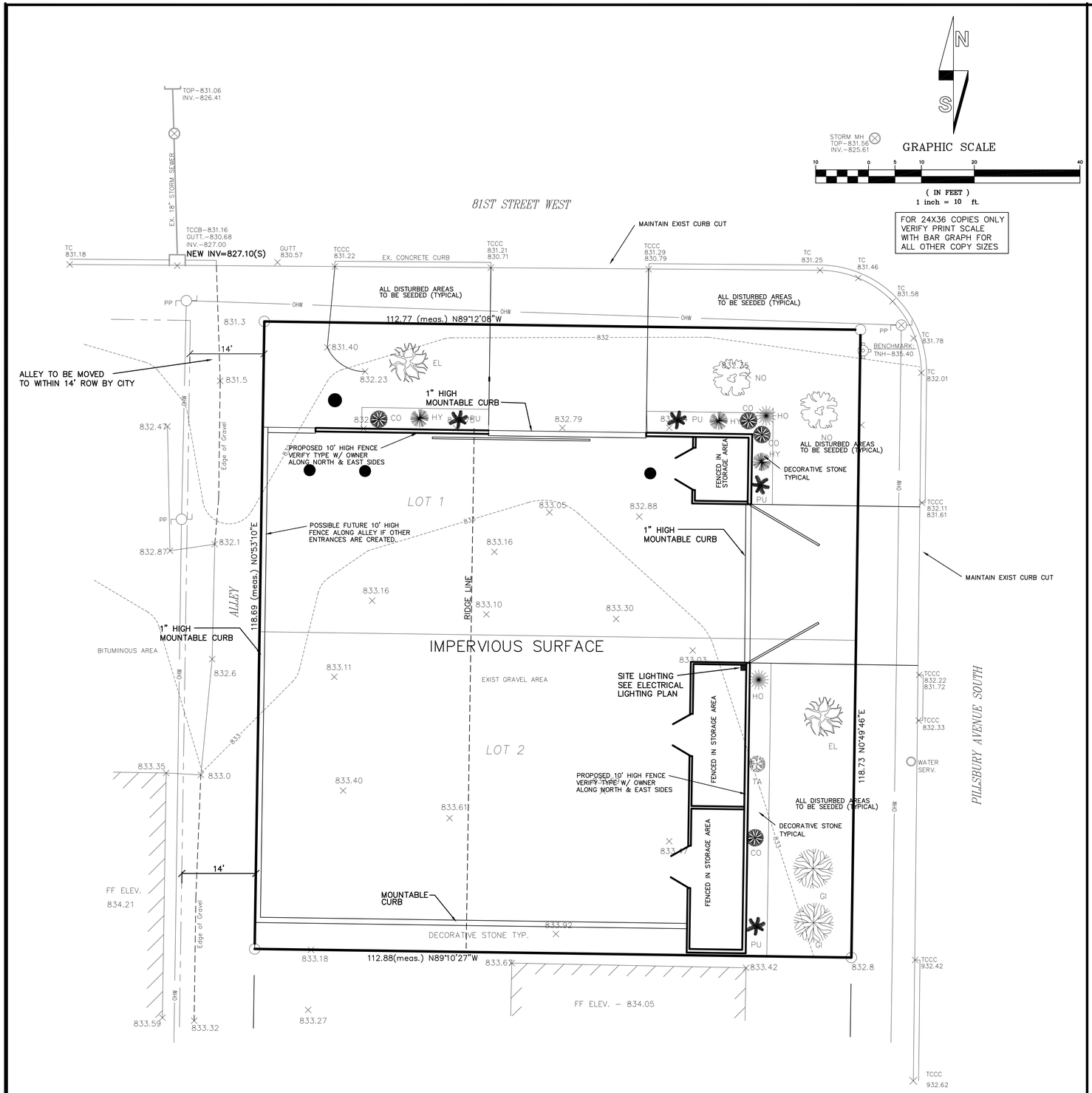
PILLSBURY TRUCK STORAGE
BLOOMINGTON, MINNESOTA

SWPP PLAN DETAILS

PRELIMINARY CONSTRUCTION PLANS

PROJECT NO. 150203

SHEET NO. 4 OF 5



PLANTING SCHEDULE:

TREES

NO	ACER PLATANOIDES	NORWAY MAPLE
EL	ULMUS SPECIES	ELM
GI	GINKO BILOBA	GINKO

SHRUBS

CO	COTONEASTER SPECIES	COTONEASTER
HY	HYDRANGEA SPECIES	HYDRANGEA
PU	PRUNUS CISTENA	PURPLELEAF CHERRY
HO	LONICERA SPECIES	HONEYSUCKLE
TA	TAMARIX RAMOSISSIMA	TAMARISK

CALL 48 HOURS BEFORE DIGGING:
GOPHER STATE ONE CALL
TWIN CITY AREA 454-0002
MINNESOTA TOLL FREE 1-800-252-1166

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Gary D'Heilly — DATE: — REG. NO. 22426

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P.O. Box 1123
Annandale, MN 55302
Phone (320) 224-1169

PILLSBURY TRUCK STORAGE
BLOOMINGTON, MINNESOTA
LANDSCAPING PLAN
PRELIMINARY CONSTRUCTION PLANS

PROJECT NO. 150203

SHEET NO. 5 OF 5

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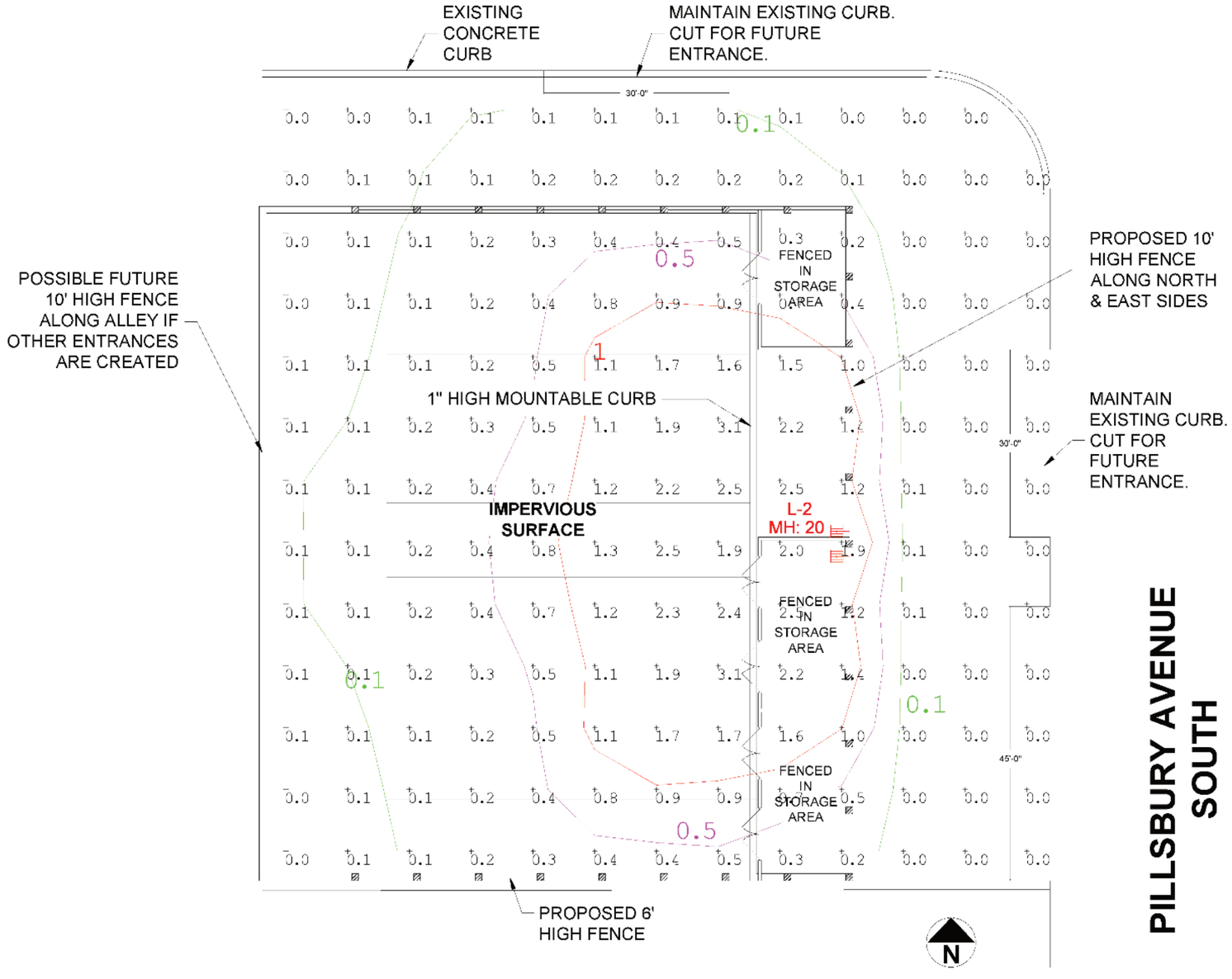
81ST STREET WEST



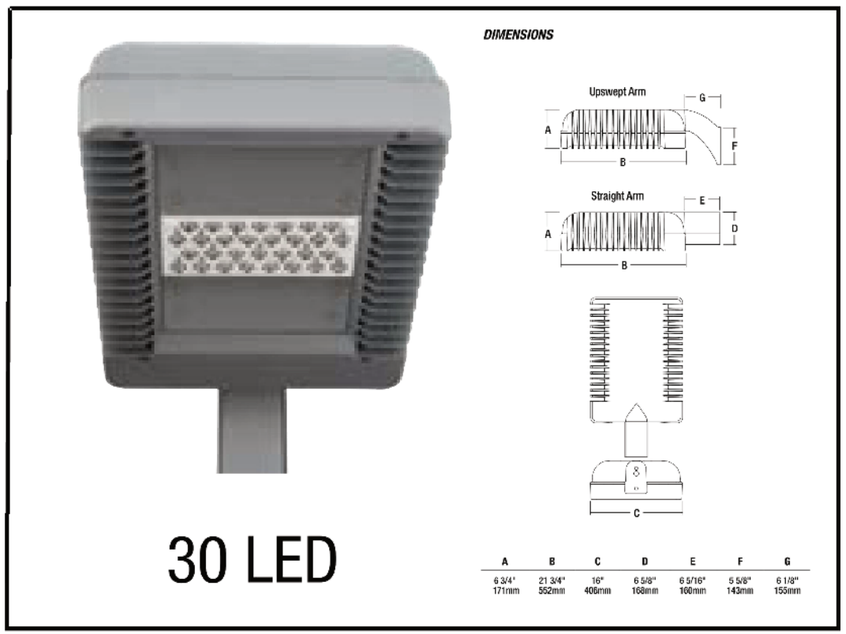
PILLSBURY AVENUE SOUTH

LUMINAIRE SCHEDULE

Symbol	Qty	Label	Arranged	LLF	Description
	1	L-2	TWIN	0.90	One Pole With Two 70W LED Fixtures, 20' Mtg Ht (5000K/30 LED's/5312 Lumens/700 mA) Hubbell CL130L5K4BCTSP, Type IV Distribution

CALCULATION SUMMARY

CALCULATION TYPE	ILLUMINANCE				
UNIT OF MEASUREMENT	FOOTCANDLES (Fc)				
Label	Avg	Max	Min	Avg/Min	Max/Min
Over Property	0.52	3.1	0.0	N.A.	N.A.
Over Storage Area	0.78	3.1	0.0	N.A.	N.A.



PILLSBURY TRUCK STORAGE

BLOOMINGTON, MN

On-Site Lighting & Survey, LLC