

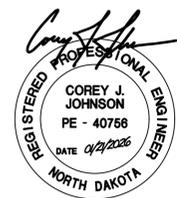
UTTC Buildings 6 & 7 Parking Lot Construction

Bismarck, ND

JANUARY 2026



- V100 EXISTING CONDITIONS
- C100 SITE PLAN
- C101 SITE TEMPORARY SEDIMENT CONTROL PLAN
- C102 SITE DEMOLITION PLAN
- C103 SITE GRADING PLAN
- C500 SITE DETAILS



Project Name:

UTTC
Buildings 6 & 7
Parking Lot
Construction

Project Location:
Bismarck, ND

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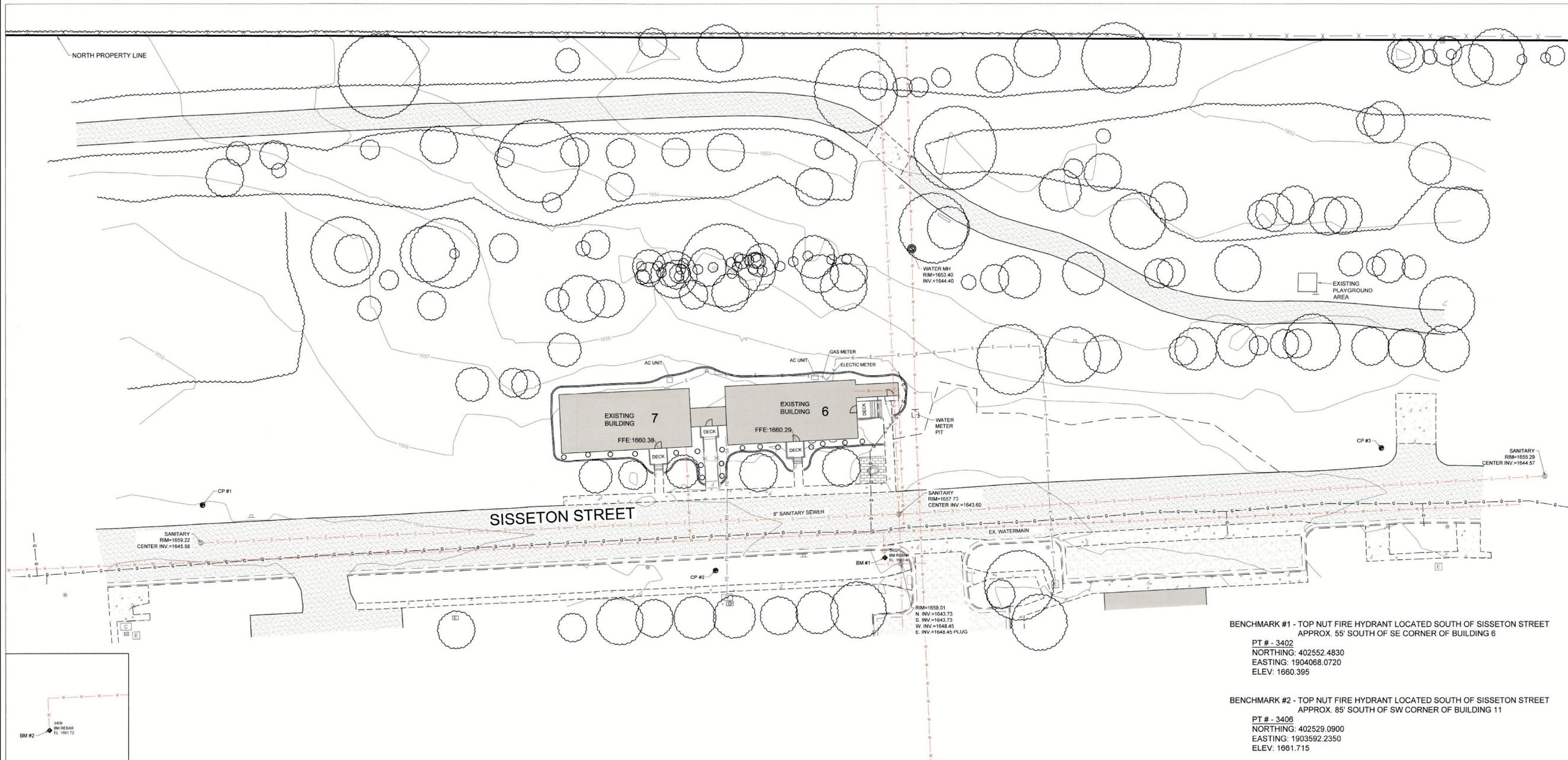
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Project Information:

Project No. :
Drawn By :
Checked By :
Date : 01/21/2026

Sheet Title:
EXISTING CONDITIONS

Sheet Number:
V100



BENCHMARK #1 - TOP NUT FIRE HYDRANT LOCATED SOUTH OF SISSETON STREET
APPROX. 55' SOUTH OF SE CORNER OF BUILDING 6
PT # - 3402
NORTHING: 402552.4830
EASTING: 1904068.0720
ELEV: 1660.395

BENCHMARK #2 - TOP NUT FIRE HYDRANT LOCATED SOUTH OF SISSETON STREET
APPROX. 85' SOUTH OF SW CORNER OF BUILDING 11
PT # - 3406
NORTHING: 402529.0900
EASTING: 1903592.2350
ELEV: 1661.715

SURVEYOR'S CERTIFICATE

I, MARK R. ISAACS, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF NORTH DAKOTA, HEREBY CERTIFY THAT THE SURVEY DRAWING IS A TRUE COPY OF THE NOTES OF A SURVEY PERFORMED UNDER MY SUPERVISION AND COMPLETED ON NOVEMBER 17, 2025. THAT ALL INFORMATION SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS SHOWN HEREON ARE CORRECT, THAT ALL REQUIRED MONUMENTS HAVE BEEN SET, AND THAT ALL DIMENSIONAL AND GEODETIC DETAILS ARE CORRECT.

Mark R. Isaacs
MARK R. ISAACS, RLS 9628



SURVEYOR NOTES

- THE HEREON DRAWING REPRESENTS THE SURVEY REQUIREMENTS AS AGREED ON.
- LOCATIONS AND MAPPING OF UTILITIES:
 - SHOWN BASED ON MAPS AND VISIBAL STRUCTURES ON SITE. - ELECTRIC LINES, COMMUNICATION LINES, WATER LINES, SOME GAS LINES.
 - SHOWN BASED ON 811 LOCATE TICKETS NUMBERS 25148418 AND 25148429 - REMAINING UTILITIES.
- THE CONTOURS SHOWN HEREON ARE BASED ON ACTUAL GROUND SHOTS.

LEGEND

| | | | |
|-----|--|---|------------------------------|
| --- | BACK OF CURB | ○ | FOUND SECTION CORNER |
| --- | FACE OF CURB | ● | SET CAPPED REBAR LS-"9628" |
| --- | LIP OF CURB | □ | COMMUNICATIONS VAULT |
| --- | EDGE OF CONCRETE | ▣ | COMMUNICATIONS PEDISTAL |
| --- | EDGE OF ASPHALT | ⊠ | ELECTRIC TRANSFORMER / VAULT |
| --- | TREE ROW | * | LIGHT POLE & PATH LIGHTS |
| --- | SANITARY SEWER | ⊙ | SANITARY SEWER MANHOLE |
| --- | UNDERGROUND ELECTRIC | ⊙ | MANHOLE - WATER LINE |
| --- | EXISTING FENCE | ⊙ | WATER MAIN GATE VALVE |
| --- | FIBER OPTIC | ⊙ | FIRE HYDRANT |
| --- | NATURAL GAS | ⊙ | CURB STOP WATER SERVICE |
| --- | WATER MAIN (BASED ON DRAWING PROVIDED BY UTTC) | ⊙ | SIGN |
| --- | EXISTING BUILDING | ○ | TREE |
| --- | EXISTING ASPHALT | | |
| --- | EXISTING CONCRETE | | |
| --- | EXISTING BRICK | | |

| CONTROL POINTS | | | | |
|----------------|-----------------|-----------|-------------|--------------|
| Point # | Raw Description | Elevation | Northing | Easting |
| 3403 | CP #2 5/8 REBAR | 1658.974 | 402546.8820 | 1903992.6520 |
| 3404 | CP #3 5/8 REBAR | 1655.647 | 402600.6200 | 1904288.8540 |
| 3405 | CP #1 5/8 REBAR | 1658.825 | 402575.5430 | 1903764.4100 |

UTTC - BUILD 6 & 7
LOT 1, BLOCK 1
UNITED TRIBES TECHNICAL COLLEGE ADDITION
SECTION 22-T138N-R60W
CITY OF BISMARCK, ND

Independent Land Surveying & Engineering

4215 Old Red Trail NW
Mandan, ND 58554
Phone: 701-663-5184
Cell: 701-965-2075
mark@isurveynd.com

SHEET: 1 OF 1 JOB NUMBER: 25223
SCALE: 1"= 20' DWG REVISION DATES
DRAWN BY: PRF 11/17/25 -
DWG DATE: 10/22/25 -
DWG NAME: 25223 SURVEY.dwg



SCALE: 1" = 20'

DATE: NOVEMBER 21ST, 2025

VERTICAL DATUM - NAVD 1988.

BASED ON NORTH DAKOTA SOUTH ZONE-NAD83 (2011), INTERNATIONAL FEET. MEASUREMENTS HAVE BEEN ESTABLISHED BY RTK FROM THE "INDIK" CORRS STATION AND ARE REPORTED IN GRID.



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Project Information:

Project No. :
 Drawn By : CJJ
 Checked By : SMS
 Date : 01/21/2026

Sheet Title:
SITE PLAN

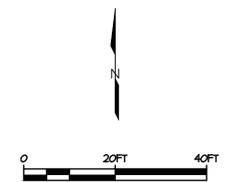
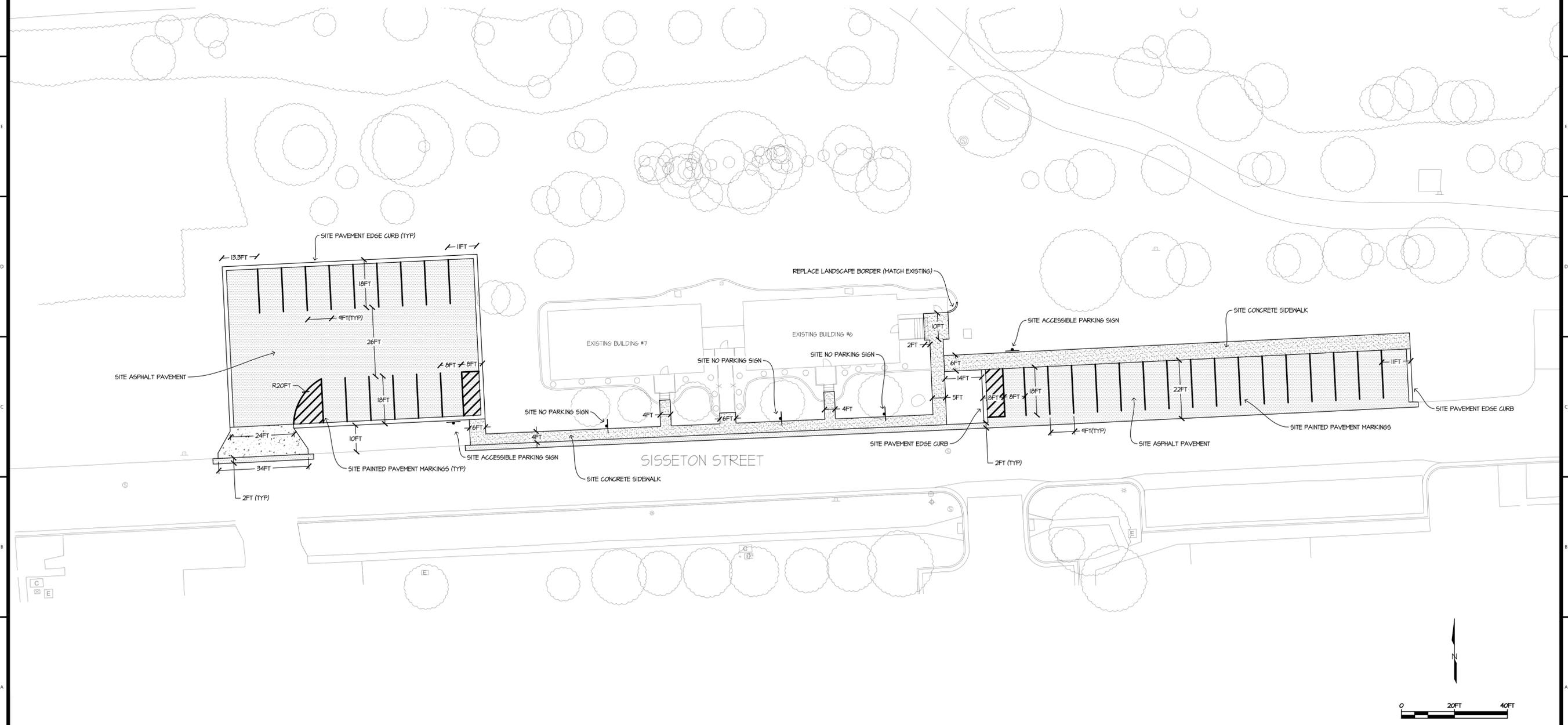
Sheet Number:
C100

LEGEND:

- SITE ASPHALT PAVEMENT
- SITE CONCRETE SIDEWALK
- SITE CONCRETE VEHICULAR PAVEMENT
- SITE PAVEMENT EDGE CURB
- SITE TRAFFIC SIGN

PLAN NOTES:

- I. EXCAVATION OR OTHER WORK IN THE RIGHT-OF-WAY SHALL REQUIRE A TRAFFIC CONTROL PLAN THAT MEETS ALL MITGD REQUIREMENTS; THIS PLAN IS REQUIRED BEFORE ANY PERMITS TO WORK IN THE RIGHT-OF-WAY WILL BE ISSUED.
- II. THE CONTRACTOR SHALL PROVIDE THE TRAFFIC CONTROL PLAN.
2. SITE ASPHALT PAVEMENT PER DETAIL 1/C501.
3. SITE CONCRETE VEHICULAR PAVEMENT PER DETAIL 2/C501.
4. SITE CONCRETE SIDEWALK PER DETAIL 3/C501.
5. SITE PAVEMENT EDGE CURB PER DETAIL 4/C501.
6. SITE PAINTED PAVEMENT MARKINGS PER DETAIL 5/C501.
7. SITE TRAFFIC SIGN PER DETAIL 6/C501.
8. SITE CONCRETE JOINTING PER DETAIL 1/C501.



- 1.01 MATERIALS
- A. TEMPORARY SILT FENCE: *NOVEN POLYPROPYLENE GEOTEXTILE RESISTANT TO COMMON SOIL CHEMICALS, MILDEW AND INSECTS; NON-BIOGRADABLE, IN LONGEST LENGTHS POSSIBLE; FABRIC INCLUDING SEAMS WITH THE FOLLOWING MINIMUM AVERAGE ROLL LENGTHS:
1. AVERAGE OPENING SIZE: *30 U.S. STD. SIEVE, MAXIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM D4151.
 2. PERMITTIVITY: *0.05 SEC⁻¹, MINIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM D441/D441M.
 3. ULTRAVIOLET RESISTANCE: *RETAINING AT LEAST 10 PERCENT OF TENSILE STRENGTH, WHEN TESTED IN ACCORDANCE WITH ASTM D4355/D4355M AFTER 500 HOURS EXPOSURE.
 4. TENSILE STRENGTH: *100 LB-F, MINIMUM, IN CROSS-MACHINE DIRECTION; 124 LB-F, MINIMUM, IN MACHINE DIRECTION; WHEN TESTED IN ACCORDANCE WITH ASTM D4632.
 5. ELONGATION: *15 TO 30 PERCENT, WHEN TESTED IN ACCORDANCE WITH ASTM D4632.
 6. TEAR STRENGTH: *55 POUNDS-FORCE, MINIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM D4533/D4533M.
 7. COLOR: *MANUFACTURER'S STANDARD, WITH EMBEDMENT AND FASTENER LINES PREPRINTED.
- B. TEMPORARY PUMPED SEDIMENT CONTROL DEVICE:
1. NON-WOVEN GEOTEXTILE FABRIC SEWN INTO A BAG USING A DOUBLE NEEDLE MACHINE AND HIGH STRENGTH THREAD.
 - a. SEAMS SHALL HAVE AN AVERAGE WIDTH STRENGTH OF 60LB/INCH AS PER ASTM D4883 AND MEET OR EXCEED THE FOLLOWING:
 - 1) GRAB TENSILE OF 205 LBS AS PER ASTM D 4632.
 - 2) FRACTURE OF 110 LBS AS PER ASTM D 4833.
 - 3) FLOW RATE OF 45 GAL/MIN/5' AS PER ASTM D 4491.
 - 4) PERMITTIVITY OF 1.5 SEC⁻¹ AS PER ASTM D 4491.
 - 5) MULLEN BURST STRENGTH OF 350 PSI AS PER ASTM D 3786.
 - 6) AOS% OF 80% US SIEVE AS PER ASTM D 4151.
 2. SPOUT LARGE ENOUGH TO ACCOMMODATE A 4 INCH DISCHARGE HOSE WITH STRAP TO TIE UNIT CLOSED.
 3. SHALL BE ONE OF THE FOLLOWING.
 - a. DIRTBAG.
 - i. ACF ENVIRONMENTAL, INC., 2831 CARDWELL ROAD, RICHMOND, VIRGINIA 23234, 800-448-3636.
 - ii. DANDY DENATERS BAG.
 - iii. DANDY PRODUCTS, INC., P.O. BOX 1480, WESTERVILLE, OHIO 43086, 800-541-2284.
 - iv. OR EQUAL.
- 1.02 PREPARATION
- A. SCHEDULE WORK SO THAT SOIL SURFACES ARE LEFT EXPOSED FOR THE MINIMUM AMOUNT OF TIME.
- 1.03 SCOPE OF PREVENTIVE MEASURES
- A. NATURAL VEGETATION SHALL BE RETAINED WHENEVER FEASIBLE.
- B. LAND GRADING AND EXCAVATING SHALL BE KEPT AT A MINIMUM TO REDUCE THE POSSIBILITY OF CREATING RUNOFF AND EROSION PROBLEMS WHICH REQUIRE EXTENSIVE CONTROL MEASURES.
- C. LAND EXPOSURE SHALL BE MINIMIZED IN TERMS OF AREA AND TIME.

- D. TEMPORARY SILT FENCE:
1. PROVIDE ALONG THE DOWNRADE PERIMETER EDGE OF SOIL STOCKPILES.
 2. PROVIDE AT LOCATIONS SHOWN ON THE DRAWINGS.
 3. PROVIDE AT ADDITIONAL LOCATIONS AS NECESSARY TO MEET THE REQUIREMENTS UNDER SECTION 1.02 OF THIS SPECIFICATION.
- E. TEMPORARY CONCRETE WASHOUT:
1. PROVIDE AT A DEFINED AREA ON SITE OR TO AN AREA DESIGNATED FOR CEMENT WASHOUT.
 2. SHALL BE SUFFICIENT IN SIZE TO CONTAIN THE WASH WATER AND RESIDUAL CEMENT.
- F. TEMPORARY PUMPED SEDIMENT CONTROL DEVICE:
1. DEVICE SHALL BE USED TO CONTROL SEDIMENT DISCHARGE IN ANY Dewatering OR PUMPED WATER APPLICATION.
- 1.04 INSTALLATION
- A. TEMPORARY SILT FENCES:
1. STORE AND HANDLE FABRIC IN ACCORDANCE WITH ASTM D4873/D4873M.
 2. USE NOMINAL 30 INCH HIGH BARRIERS, MINIMUM 60 INCH LONG POSTS SPACED AT 6 FEET MAXIMUM SPACING.
 3. EMBED BOTTOM OF FABRIC IN A TRENCH ON THE UPSLOPE SIDE OF FENCE, WITH 6 INCHES OF FABRIC LAID FLAT ON BOTTOM OF TRENCH FACING UPSLOPE, BACKFILL TRENCH AND COMPACT.
 4. MINIMUM POST EMBEDMENT.
 - a. STEEL POST = 24 INCHES, MINIMUM.
 5. DO NOT SPLICE FABRIC WIDTH; MINIMIZE SPLICES IN FABRIC LENGTH; SPLICE AT POST ONLY, OVERLAPPING AT LEAST 18 INCHES, WITH EXTRA POST.
 6. FASTEN FABRIC TO STEEL POSTS USING WIRE, NYLON CORD, OR INTEGRAL POCKETS.
- 1.05 MAINTENANCE
- A. INSPECT PREVENTIVE MEASURES WEEKLY, WITHIN 24 HOURS AFTER THE END OF ANY STORM THAT PRODUCES 0.5 INCHES OR MORE RAINFALL AT THE PROJECT SITE, AND DAILY DURING PROLONGED RAINFALL.
- B. REPAIR DEFICIENCIES IMMEDIATELY.
- C. TEMPORARY SILT FENCES:
1. PROMPTLY REPLACE FABRIC THAT DETERIORATES UNLESS NEED FOR FENCE HAS PASSED.
 2. REMOVE SILT DEPOSITS THAT EXCEED ONE-THIRD OF THE HEIGHT OF THE FENCE.
 3. REPAIR FENCES THAT ARE UNDERCUT BY RUNOFF OR OTHERWISE DAMAGED, WHETHER BY RUNOFF OR OTHER CAUSES.
- D. TEMPORARY PUMPED SEDIMENT CONTROL DEVICE:
1. REPLACE THE UNIT WHEN 1/2 FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE OF THE PUMP DISCHARGE TO AN IMPRACTICAL RATE.
- E. PLACE SEDIMENT IN APPROPRIATE LOCATIONS ON SITE; DO NOT REMOVE FROM SITE.
- 1.06 CLEAN UP
- A. REMOVE TEMPORARY MEASURE AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- B. WHERE REMOVAL OF TEMPORARY MEASURES WOULD LEAVE EXPOSED SOIL, SHAPE SURFACE TO AN ACCEPTABLE GRADE AND FINISH TO MATCH ADJACENT GROUND SURFACES.

LEGEND:

— SF — TEMPORARY SILT FENCE (APPROXIMATE)

— — — — — CONSTRUCTION LIMITS (APPROXIMATE)

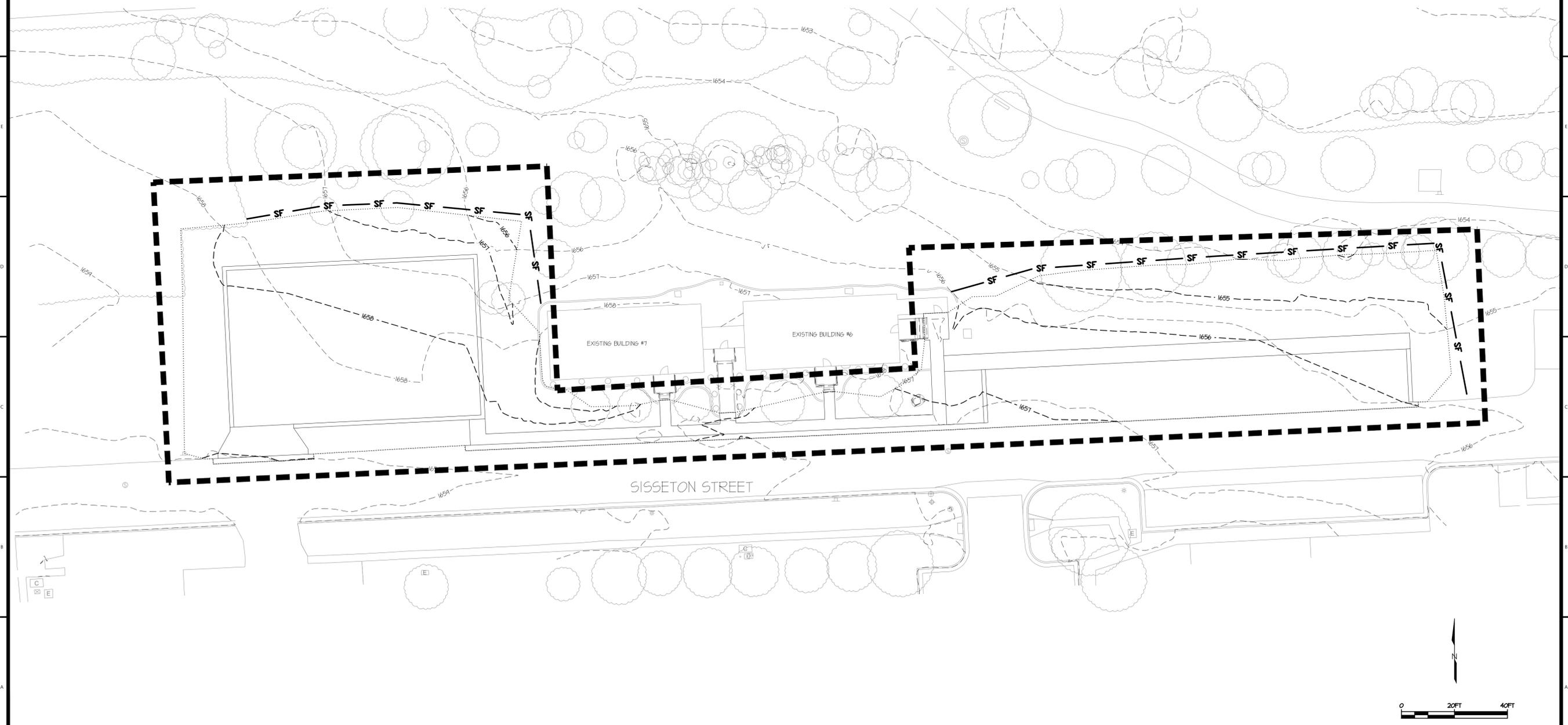
..... MATCH EXISTING ELEVATION/GRADING LIMITS

- - - - - 100 - - - EXISTING GRADE CONTOUR ELEVATION

- - - - - 100 - - - NEW FINISH GRADE CONTOUR LINE

TOTAL SITE AREA

THE TOTAL SITE AREA IMPACTED BY CONSTRUCTION IS ESTIMATED TO BE 0.6 ACRES.



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Project Information:

Project No. :
 Drawn By : CJJ
 Checked By : SMS
 Date : 01/21/2026

Sheet Title:
 SITE TEMPORARY SEDIMENT
 CONTROL PLAN

Sheet Number:
C101



Project Name:

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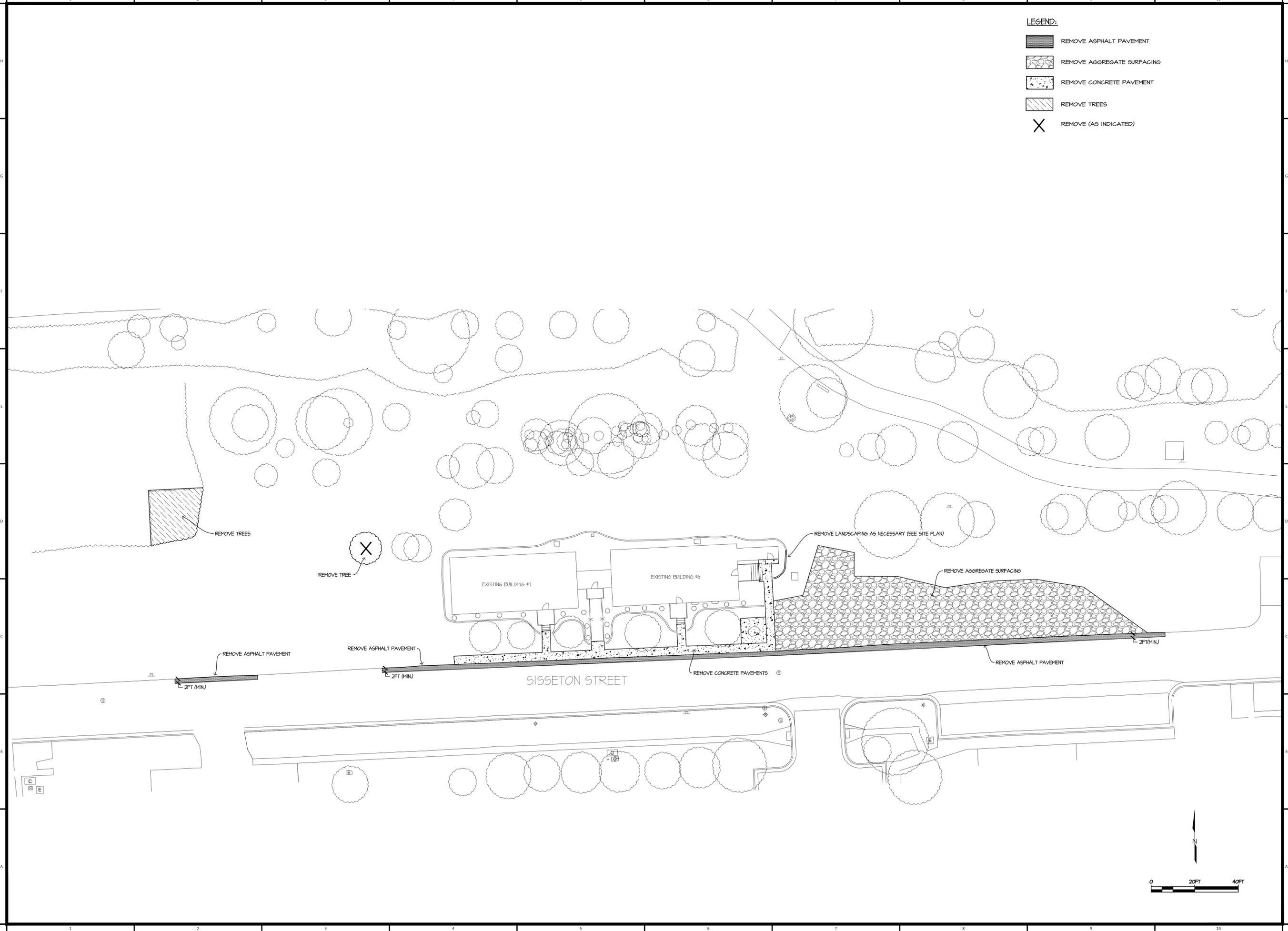
Project Information:

Project No. :
Drawn By : CJJ
Checked By : SMS
Date : 01/21/2026

Sheet Title:
SITE DEMOLITION PLAN

Sheet Number:
C102

- LEGEND:**
-  REMOVE ASPHALT PAVEMENT
 -  REMOVE AGGREGATE SURFACING
 -  REMOVE CONCRETE PAVEMENT
 -  REMOVE TREES
 -  REMOVE (AS INDICATED)





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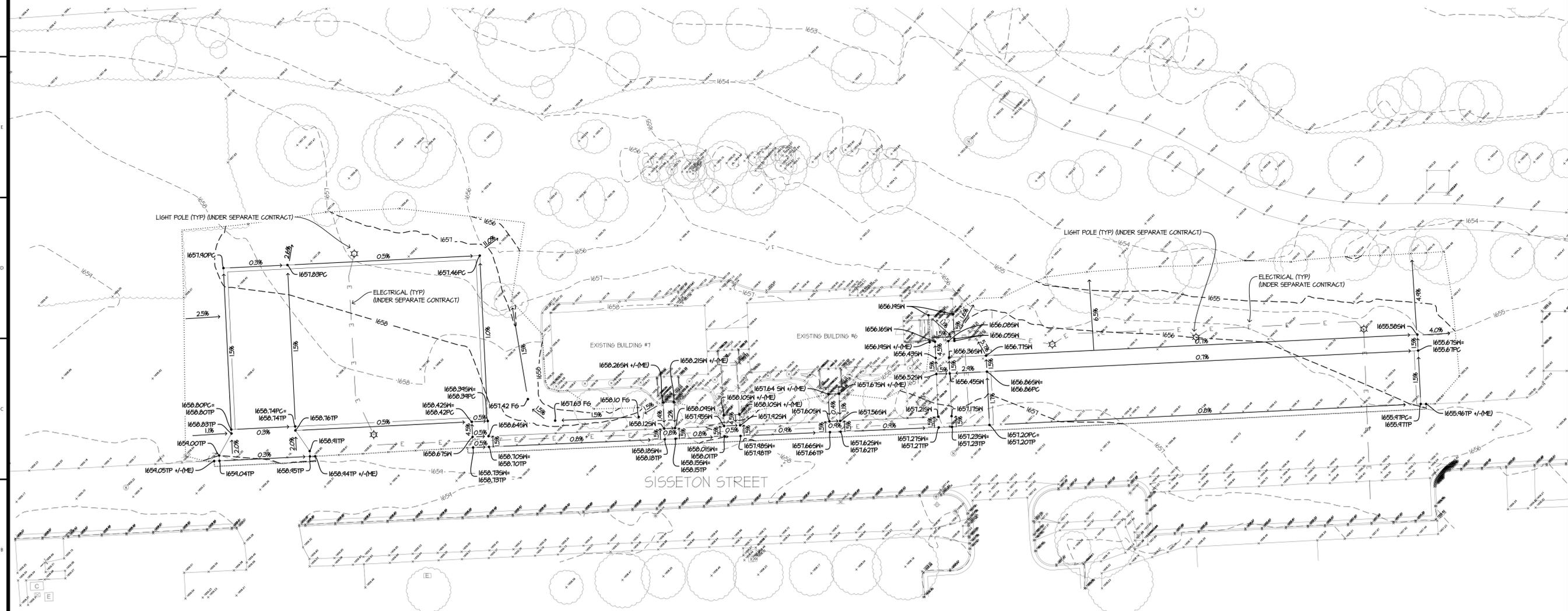
Project Information:

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Drawn By: CJJ
Checked By: SMS
Date: 01/21/2026

Sheet Title:
SITE GRADING PLAN

Sheet Number:
C103

- LEGEND:**
- 100.00FG NEW FINISH GRADE ELEVATION (TOP OF TOPSOIL)
 - 100.00TP NEW TOP OF PAVEMENT ELEVATION
 - 100.00PC NEW TOP OF PAVEMENT EDGE CURB ELEVATION
 - 100.00SM NEW TOP OF SIDEWALK ELEVATION
 - 1% → NEW FINISH GRADE SLOPE AND DIRECTION OF FLOW
 - +/-ME MATCH EXISTING SPOT ELEVATION
 - MATCH EXISTING ELEVATION/GRADING LIMITS
 - - - - - EXISTING GRADE CONTOUR ELEVATION
 - - - - - NEW FINISH GRADE CONTOUR LINE
 - x=xxx EXISTING GRADE SPOT ELEVATION



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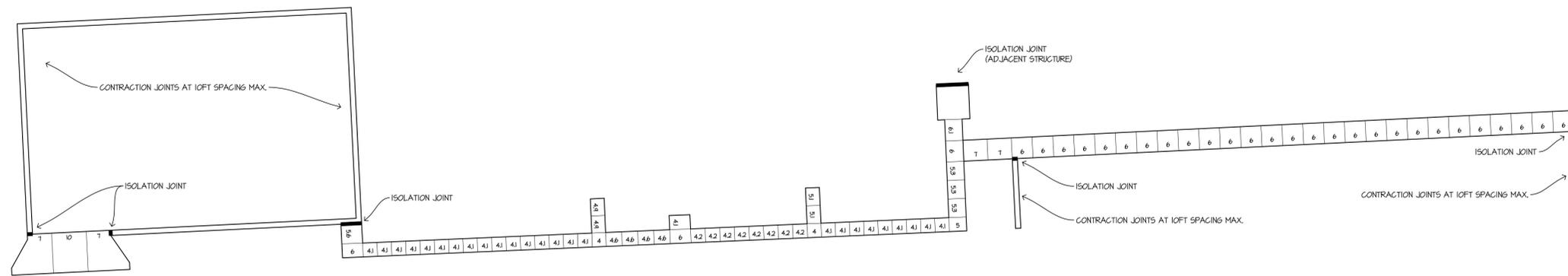
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Sheet Title:

SITE DETAILS

Sheet Number:

C500

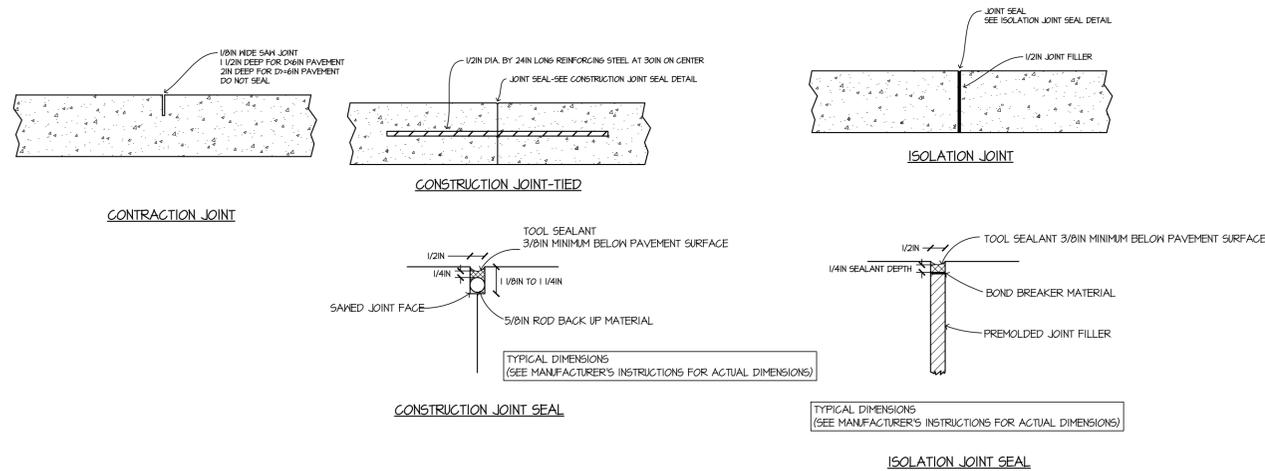
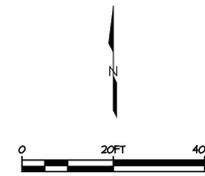


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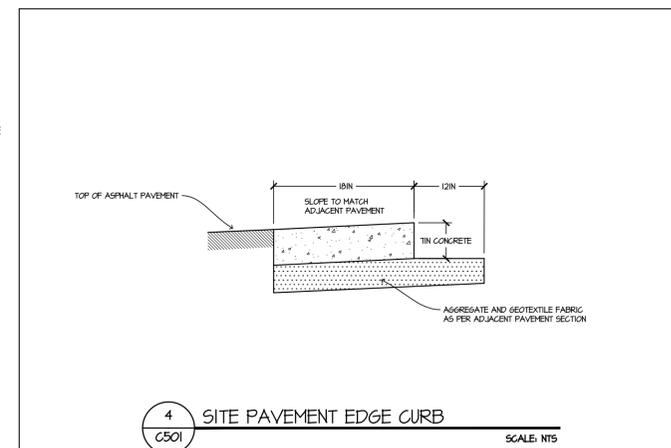
CONTRACTION JOINT

ISOLATION JOINT

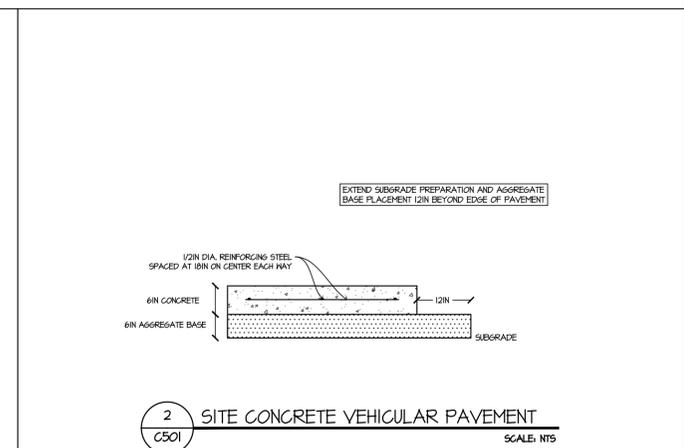
100 10FT SPACING BETWEEN JOINTS



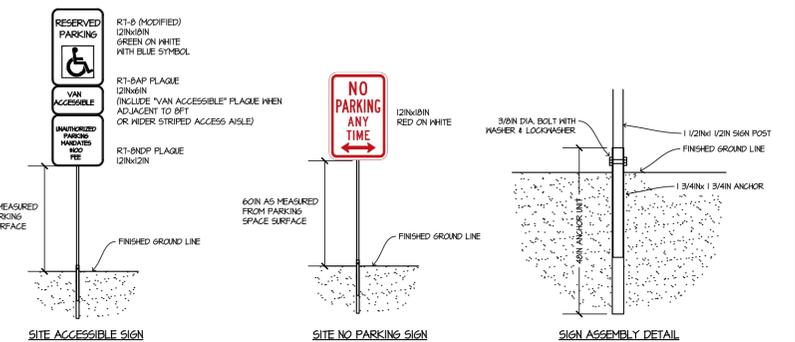
7 SITE CONCRETE JOINTING DETAILS
SCALE: NTS



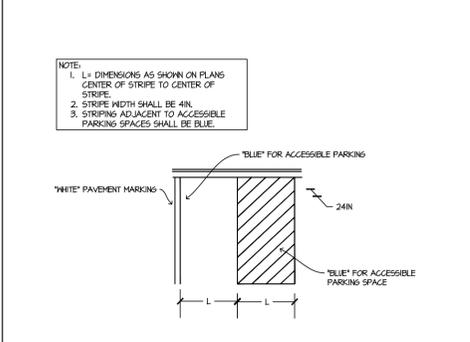
4 SITE PAVEMENT EDGE CURB
SCALE: NTS



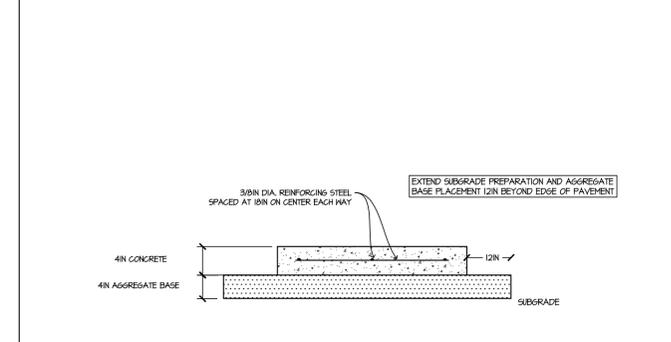
2 SITE CONCRETE VEHICULAR PAVEMENT
SCALE: NTS



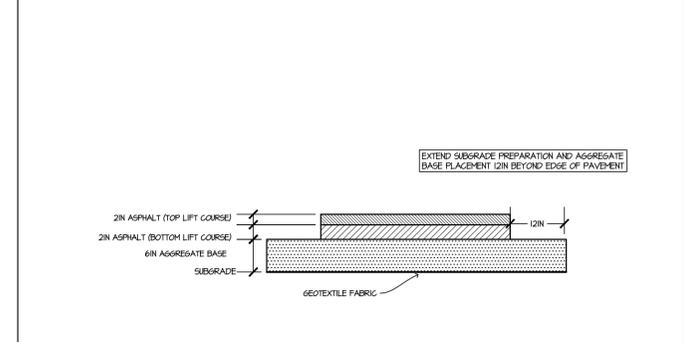
6 SITE TRAFFIC SIGN
SCALE: NTS



5 SITE PAINTED PAVEMENT MARKINGS
SCALE: NTS



3 SITE CONCRETE SIDEWALK
SCALE: NTS



1 SITE ASPHALT PAVEMENT
SCALE: NTS