

Addendum No. 1
March 9, 2021

Project: Jane Addams Elementary School – C.I.P. Addition And Renovations PD #3312
Project location: 2511 W. Brookings Street, Sioux Falls, SD 57104
Project number: 1105.2914.20

Architect: Architecture Incorporated

Letting: Thursday, March 18, 2021
2:00 PM
Central Services Center
1101 North Western Avenue
Sioux Falls, South Dakota

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

- 1) FORM OF PROPOSAL
 - a) Replace original form of proposal with new, attached FORM OF PROPOSAL (ADDENDUM #1) which provides for Add Alternate #2: Adding Concrete curb ramps on Brookings Street.
- 2) SPECIFICATION SECTION 012300 – Alternates
 - a) Page 2, Add, Add Alternate #2. State the amount to be added to the base bid to provide and install 3 concrete ramp curb cuts on Brookings Street as shown on attached sheets 2.20, 2.30 and 2.43. Work includes removing existing concrete sidewalks, adjusting excavation, installing new concrete sidewalks and adjusting black dirt finish grading and sod.
- 3) SPECIFICATION SECTION 042000 – Unit Masonry Assemblies
 - a) Page 6, Brick Veneer 2.5. B. Omit reference to brick being selected by a brick showing meeting. Furnish brick as specified and approved brick samples.
 - b) Page 6, Approved Brick Veneer: 2.5. A.5.a.: Approved Brick Manufacturer: Modular Brick: Bowerston Brick Company; Special Blend, 70% Light Blush Bark and 30% Medium Blush Bark.
 - c) Page 6, Approved Brick Veneer: 2.5. A.5.a.: Approved Brick Manufacturer: Triple Brick: Endicott Brick Company; Golden Buff velour.
- 4) DRAWING 2.20 – SITE DEMOLITION PLAN:
 - a) Utility Demo Items callout #2
 - i) Change language to state that the service will be abandoned at corp stop and not at curb stop.

- b) Added fillet, C&G, sidewalk and some asphalt demo along Brookings Street to accommodate ADA improvements at 3 locations along the north side of the school. Add Alternate #2.
 - c) Added a sign remove/salvage/reset to the eastern most ADA ramp along Brookings Street.
- 5) DRAWING 2.30 – CIVIL SITE PLAN:
- a) Signage notes were added to include permanent signage at parking lot driveways along Kiwanis Avenue.
 - b) ADA improvement locations along Brookings Street were added.
- 6) DRAWING 2.43 CIVIL GRADING PLAN:
- a) This sheet was added to the plans and details the ADA ramp improvements along Brookings Street.
- 7) DRAWING 2.50 UTILITY/DRAINAGE PLAN:
- a) Storm callout SD2:
 - i) Pipe length was adjusted from 26' to 28'.
 - ii) Slope was adjusted.
 - b) Water Main Notes callouts W3 and W4:
 - i) Added 6" MJ Restraining Devices that are required at valves and fittings.
 - ii) Utility demo callout #2 note should be changed from curb stop to corp stop.
- 8) DRAWING 2.72 CIVIL SITE DETAILS
- a) All Sanitary sewer standard plates have been updated.
 - b) Water main std plate 900.07 was added.
 - c) Std. Plate 380.14 was added.
- 9) DRAWING 2.80
- a) Site Demolition Plan: The wood house structure at 2418 W. McCellan Street will be removed by others. A house mover will remove the house by April 1 to April 15, 2021. Contractor shall still remove footing, foundations and utilities of the house. See attached sheet 2.80.
 - b) Asbestos inside each of the 2 houses being removed will be removed by others and will be removed by April 1, 2021
- 10) DRAWING 2.81
- a) Site Plan:
 - i) Furnish and install four (4) signs as shown on attached sheet 2.81. Two (2) signs shall say Entrance Only on both sides. Two (2) signs shall say Exit Only on street side and Stop sign on parking lot side.
- (1) **STOP** signs shall be 12" wide x 12" high; Background: RED; Border & Legend: SILVER; constructed from 0.080 inch (80 mil) reflective-coated aluminum.

(2) **Entrance Only** signs and **Exit Only** signs shall be 12" wide x 18" high; Background: WHITE; Border & Legend: BLACK; constructed from 0.080 inch (80 mil) reflective-coated aluminum

(3) Sign Posts: 2 lb/ft x 10' galvanized steel U-channel post.

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

| <u>SECTION</u> | <u>ITEM</u> | <u>MANUFACTURER</u> |
|----------------|---|--|
| 098433 | Sound-Absorbing Wall Units | Commercial Interior Inc. |
| 123216 | Manufactured Plastic Laminate Casework | Maloney Inc. |
| 321400 | Unit Paving | Rochester Concrete Products Reno and Serano |

END OF ADDENDUM

FORM OF PROPOSAL (REVISED ADDENDUM #1)

PROJECT: JANE ADDAMS ELEMENTARY SCHOOL CIP ADDITION &
RENOVATIONS PD #3312
2511 WEST BROOKINGS STREET
SIOUX FALLS, SOUTH DAKOTA 57104

TO: MISSY BRAAK, PURCHASING SUPERVISOR
CENTRAL SERVICES CENTER
1101 NORTH WESTERN AVENUE
SIOUX FALLS, SOUTH DAKOTA 57104

DATE: _____

The undersigned, having familiarized (itself) (himself) with the local conditions affecting the cost of the Work at the place where the Work is to be done and with the Plans and Specifications and other Contract Documents, and having examined the location of the proposed Work, and having received Addenda Nos. _____, _____, _____, _____, dated __/__/__, __/__/__, __/__/__, __/__/__, and having included their provisions in this proposal, hereby proposes and agrees to perform any and all labor and to provide all materials, tools, and equipment necessary to complete in a workmanlike manner all the work for the construction of the new **Jane Addams Elementary School – CIP Addition and Renovations PD #3312**, Sioux Falls, South Dakota, all in strict conformance with the plans and specifications prepared by Architecture Incorporated, dated February 19, 2021:

For the following Base Bid:

_____ (\$ _____)

Alternate No. 1: Omit Building Fire Suppression System

(DEDUCT) _____ (\$ _____)

Alternate No. 2: Add Concrete Curb Cuts at Brookings Street

(ADD) _____ (\$ _____)

The undersigned agrees that his bid may not be withdrawn for a period of 30 days from the time set for opening of bids and that if notified of acceptance of his Proposal within that stated time, or at any time thereafter before the bid is withdrawn, he will within ten (10) days of such notification, execute and deliver an Owner - Contractor Agreement herein specified to be AIA Document A101 and to furnish and deliver the Performance Bond and the Labor and Material Payment Bond, each in an amount equal to 100 percent of the Contract Sum.

The Contractor shall commence work upon notice of Contract Award, on or near March 22, 2021. The Work shall be completed in two Phases as specified in Section 011000. The Contractor shall comply with the substantial completion and final completion requirements specified in Section 011000. The Work shall be substantially completed by Friday, August 6, 2021; final completion of all work shall be no later than Friday, August 20, 2021. The time(s) stated for completion shall include allowances for inspections, completion of items requiring further attention and final clean-up of premises.

The Contractor acknowledges Sioux Falls School District No. 49-5 Special Conditions provisions regarding liquidated damages for work not completed by the date of substantial completion and another for work not completed by the final completion.

BID SECURITY:

The undersigned has attached to the Proposal the following:

1. Bid Security in the form of _____ and in the amount of \$ _____ as outlined in the Invitation to Bid.

In submitting this bid, the undersigned understands that the right is reserved by the Owner to reject any and all bids and to waive all informalities.

BIDDER: _____

BY: _____

TITLE: _____

BUSINESS
ADDRESS: _____

STATE OF
INCORPORATION: _____
(SEAL)

If Bid is by a
Corporation:

2/19/2021 8:50:11 AM

BENCHMARK: NO. 1
TOP NUT OF FIRE HYDRANT ON
NORTH SIDE OF WEST
BROOKINGS STREET
ELEV. = 1431.28 (88 DATUM)

BENCHMARK: NO. 2
TOP NUT OF FIRE HYDRANT ON
NW CORNER OF W. McCLELLAN ST.
& N. GARFIELD AVE. INTERSECTION
ELEV. = 1427.30 (88 DATUM)

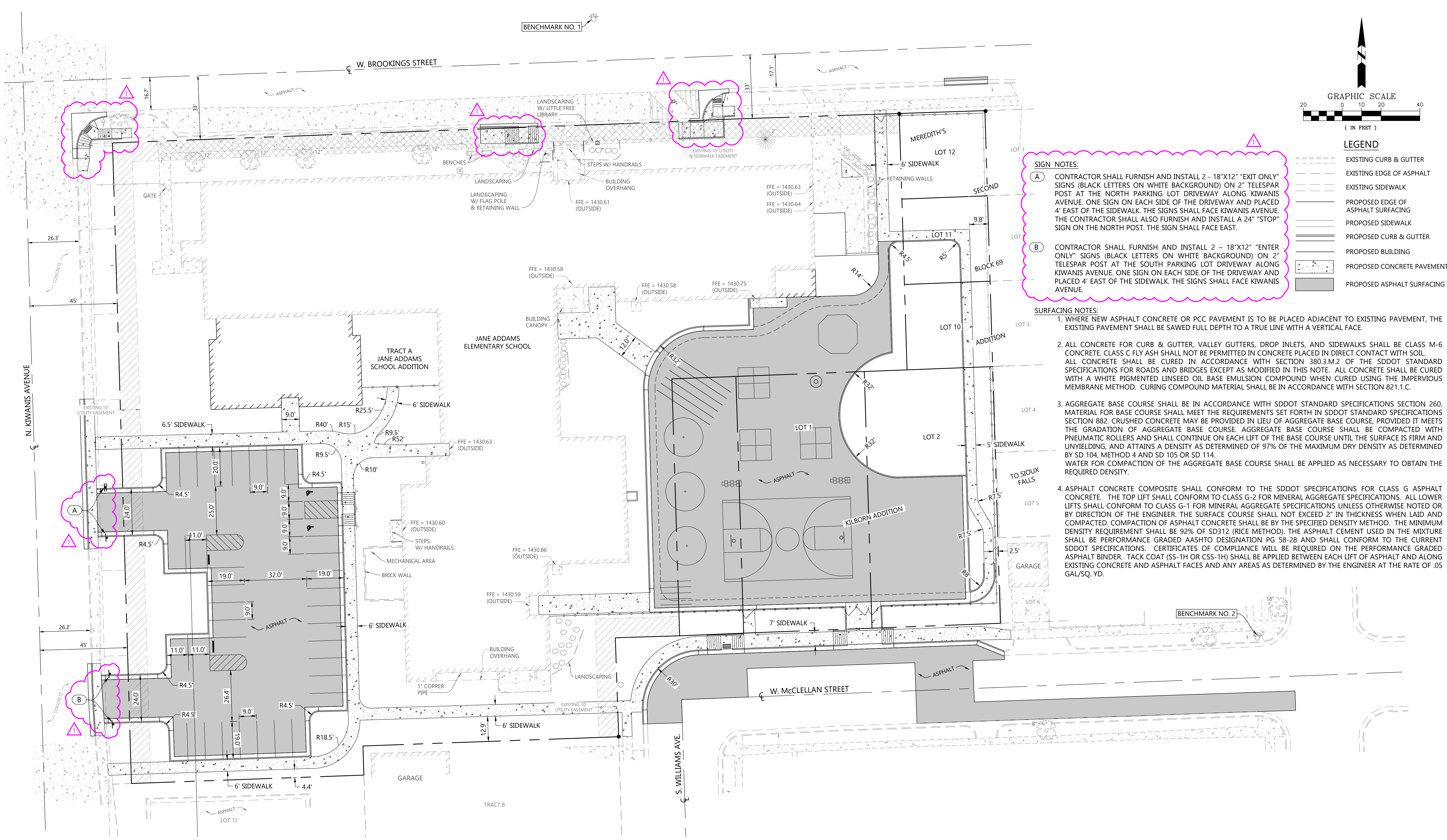
BY: GRA 22539 P.dwg, SITE, REV DATE: Mar 08, 2021, PRINT DATE: Mar 08, 2021

SITE NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO CURRENT CITY OF SIOUX FALLS GENERAL CONDITIONS FOR PUBLIC IMPROVEMENTS AND SUPPLEMENTAL STANDARD SPECIFICATIONS, TOGETHER WITH CURRENT SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
- PROJECT DOCUMENT AND SPECIFICATION PRIORITY FOR CIVIL PLANS SHALL BE PLANS NOTES OVER CITY OF SIOUX FALLS GENERAL SPECIFICATIONS AND SUPPLEMENTAL STANDARD SPECIFICATIONS OVER SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS OVER PROJECT SPECIFICATIONS DOCUMENTS.
- WHERE NEW ASPHALT CONCRETE OR PCC PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAWED FULL DEPTH TO A TRUE LINE WITH A VERTICAL FACE.
- ASPHALT CONCRETE COMPOSITE SHALL CONFORM TO THE SDDOT SPECIFICATIONS FOR CLASS G ASPHALT CONCRETE. THE TOP LIFT SHALL CONFORM TO CLASS G-2 FOR MINERAL AGGREGATE SPECIFICATIONS. ALL LOWER LIFTS SHALL CONFORM TO CLASS G-1 FOR MINERAL AGGREGATE SPECIFICATIONS UNLESS OTHERWISE NOTED OR BY DIRECTION OF THE ENGINEER. THE SURFACE COURSE SHALL NOT EXCEED 2" IN THICKNESS WHEN LAID AND COMPACTED. COMPACTION OF ASPHALT CONCRETE SHALL BE BY THE SPECIFIED DENSITY METHOD. THE MINIMUM DENSITY REQUIREMENT SHALL BE 92% OF SD312 (RICE METHOD). THE ASPHALT CEMENT USED IN THE MIXTURE SHALL BE PERFORMANCE GRADED AASHTO DESIGNATION PG 58-28 AND SHALL CONFORM TO THE CURRENT SDDOT SPECIFICATIONS. CERTIFICATES OF COMPLIANCE WILL BE REQUIRED ON THE PERFORMANCE GRADED ASPHALT BINDER. TACK COAT (SS-1H OR CSS-1H) SHALL BE APPLIED BETWEEN EACH LIFT OF ASPHALT AND ALONG EXISTING CONCRETE AND ASPHALT FACES AND ANY AREAS AS DETERMINED BY THE ENGINEER AT THE RATE OF .05 GAL/SQ. YD.
- ALL CONCRETE FOR CURB & GUTTER, VALLEY GUTTERS, DROP INLETS, AND SIDEWALKS SHALL BE CLASS M-6 CONCRETE. CLASS C FLY ASH SHALL NOT BE PERMITTED IN CONCRETE PLACED IN DIRECT CONTACT WITH SOIL. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH SECTION 380.3.M.2 OF THE SDDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES EXCEPT AS MODIFIED IN THIS NOTE. ALL CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED LINSEED OIL BASE EMULSION COMPOUND WHEN CURED USING THE IMPERVIOUS MEMBRANE METHOD. CURING COMPOUND MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 821.1.C.
- CONCRETE FOR SIDEWALK SHALL BE CLASS M-6. CUSHION MATERIAL FOR SIDEWALKS SHALL BE PLACED TO A DEPTH OF 2 INCHES. EXPANSION MATERIAL SHALL BE INSTALLED WHERE REQUIRED AND/OR AS DIRECTED BY THE ENGINEER. PROPOSED SIDEWALK SHALL BE CONSTRUCTED TWO FEET FROM THE PROPERTY LINE OR AS INDICATED OTHERWISE ON THE SITE PLAN.

- ALL RADIUS DIMENSIONS INDICATED ARE MEASURED TO THE BACK OF CURB.
- AGGREGATE BASE COURSE SHALL BE IN ACCORDANCE WITH SDDOT STANDARD SPECIFICATIONS SECTION 260. MATERIAL FOR BASE COURSE SHALL MEET THE REQUIREMENTS SET FORTH IN SDDOT STANDARD SPECIFICATIONS SECTION 882. CRUSHED CONCRETE MAY BE PROVIDED IN LIEU OF AGGREGATE BASE COURSE, PROVIDED IT MEETS THE GRADATION OF AGGREGATE BASE COURSE. AGGREGATE BASE COURSE SHALL BE COMPACTED WITH PNEUMATIC ROLLERS AND SHALL CONTINUE ON EACH LIFT OF THE BASE COURSE UNTIL THE SURFACE IS FIRM AND UNYIELDING, AND ATTAINS A DENSITY AS DETERMINED OF 97% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY SD 104, METHOD 4 AND SD 105 OR SD 114. WATER FOR COMPACTION OF THE AGGREGATE BASE COURSE SHALL BE APPLIED AS NECESSARY TO OBTAIN THE REQUIRED DENSITY.
- PAVEMENT MARKINGS SHALL BE APPLIED AS PER THE SITE PLAN. THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL THE ACCESSIBLE PARKING SIGNAGE IN ACCORDANCE WITH THE PLAN DETAILS AND CURRENT ADA STANDARDS.
- PAVEMENT MARKING PAINT SHALL BE A LATEX, WATERBOURNE EMULSION, READY MIXED WITH A DRYING TIME OF 45 MINUTES OR LESS. ALLOW CONCRETE PAVEMENT TO CURE 28 DAYS PRIOR TO APPLICATION OF PAVEMENT MARKING PAINT. THE MARKING AREA SHALL BE FREE OF DUST, DIRT OR OIL DURING THE APPLICATION OF THE PAVEMENT MARKING PAINT. PAVEMENT MARKING PAINT, TWO COATS, SHALL BE APPLIED AT A WET FILM THICKNESS OF 15 MILS, EACH COAT, AND SHALL BE APPLIED WITH MECHANICAL EQUIPMENT TO PRODUCE PAVEMENT MARKINGS WITH STRAIGHT EDGES AND UNIFORM WIDTH.
- WHERE EXISTING SURFACING IS TO BE REMOVED AND REPLACED, IT SHALL BE REPLACED WITH A SECTION MATCHING THE ADJACENT SURFACING WITH THE TYPICAL SECTION INDICATED AS A MINIMUM.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES, WARNING SIGNS, LIGHTS, FLASHERS AND FLAG PERSONS AS REQUIRED TO PROVIDE FOR THE SAFETY OF WORKERS AND THE PUBLIC AT LARGE. TEMPORARY FENCING SHALL BE INSTALLED AROUND ANY OPEN AREAS OF THE SITE. THE COST OF TRAFFIC CONTROL DEVICES AND TEMPORARY FENCING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- PROPOSED CONSTRUCTION PROVIDES 0.159 AC. ADDITIONAL IMPERVIOUS SURFACE. THE SITE IS CURRENTLY DEVELOPED AND CONTAINS 1.902 AC. IMPERVIOUS AREA.

- LEGAL DESCRIPTION:
TRACT A, JANE ADDAMS SCHOOL ADDITION TO THE CITY OF SIOUX FALLS, MINNEHAHA COUNTY SOUTH DAKOTA AND LOTS 10, 11, AND 12L BLOCK 69, MEREDITH'S SECOND ADDITION TO THE CITY OF SIOUX FALLS, MINNEHAHA COUNTY, SOUTH DAKOTA AND LOTS 1 AND 2 OF KILBORN ADDITION TO THE CITY OF SIOUX FALLS, MINNEHAHA COUNTY SOUTH DAKOTA. SITE CONTAINS: 3.06 AC.±
- THIS PROPERTY IS CURRENTLY ZONED RD-1.
- ANY PEDESTRIAN PATHWAYS OR SIDEWALKS INSTALLED ON OR ADJACENT TO THIS SITE DEVELOPMENT SHALL BE FULLY ADA COMPLIANT. THE CITY WILL BE INSPECTING NEW SIDEWALK INSTALLATIONS FOR COMPLIANCE. AFTER SIDEWALK INSTALLATION IS COMPLETE, CONTRACTOR SHALL CONTACT THE CITY ENGINEER'S OFFICE AT 367-8601 TO SCHEDULE AN INSPECTION. ANY SECTION OF SIDEWALK FOUND TO BE OUT OF COMPLIANCE SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. THERE ARE NO CONSTRUCTION TOLERANCES ON MAXIMUM OR MINIMUM GRADES. FOR EXAMPLE, THE CONTRACTOR MAY WANT TO SET SIDEWALK FORMS AT 1.5% CROSS SLOPE TO FALL UNDER THE 2% MAXIMUM SIDEWALK CROSS SLOPE REQUIREMENT.

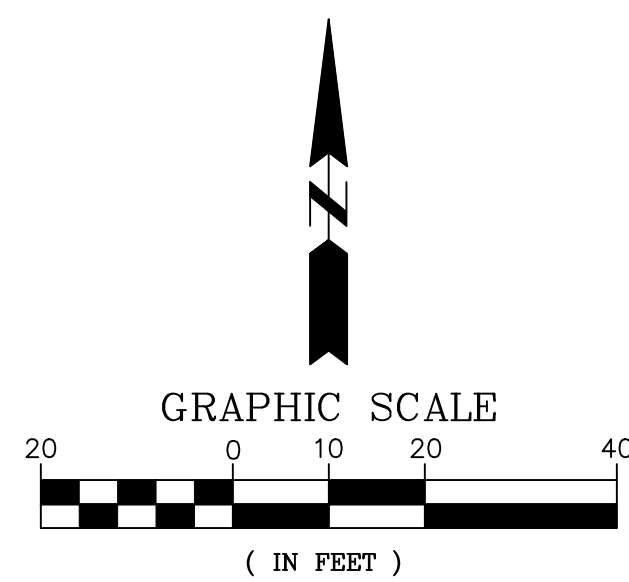


SIGN NOTES:

- (A) CONTRACTOR SHALL FURNISH AND INSTALL 2 - 18"X12" "EXIT ONLY" SIGNS (BLACK LETTERS ON WHITE BACKGROUND) ON 2" TELESAR POST AT THE NORTH PARKING LOT DRIVEWAY ALONG KIWANIS AVENUE. ONE SIGN ON EACH SIDE OF THE DRIVEWAY AND PLACED 4' EAST OF THE SIDEWALK. THE SIGNS SHALL FACE KIWANIS AVENUE. THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL A 24" "STOP" SIGN ON THE NORTH POST. THE SIGN SHALL FACE EAST.
- (B) CONTRACTOR SHALL FURNISH AND INSTALL 2 - 18"X12" "ENTER ONLY" SIGNS (BLACK LETTERS ON WHITE BACKGROUND) ON 2" TELESAR POST AT THE SOUTH PARKING LOT DRIVEWAY ALONG KIWANIS AVENUE. ONE SIGN ON EACH SIDE OF THE DRIVEWAY AND PLACED 4' EAST OF THE SIDEWALK. THE SIGNS SHALL FACE KIWANIS AVENUE.

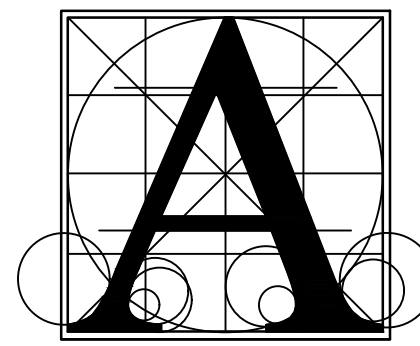
SURFACING NOTES:

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LEGEND

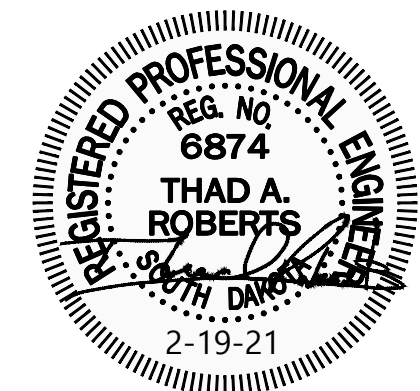
- EXISTING CURB & GUTTER
- EXISTING EDGE OF ASPHALT
- EXISTING SIDEWALK
- PROPOSED EDGE OF ASPHALT SURFACING
- PROPOSED SIDEWALK
- PROPOSED CURB & GUTTER
- PROPOSED BUILDING
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT SURFACING



Architecture Incorporated

415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101
Phone: (605) 339-1711

815 St Joseph Street, Suite 203
P.O. Box 8047
Rapid City, South Dakota 57701
Phone: (605) 721-1158



Sayre Associates
210 S. Main Avenue • Sioux Falls, SD 57104
Phone: 605-339-1711 • Fax: 605-339-1702
Engineers • Surveyors

JANE ADDAMS ELEMENTARY 2021 ADDITION

CIVIL SITE PLAN

Project

number: 1105-2914.20

date: 2/19/2021

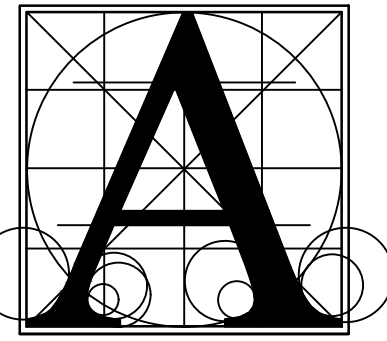
revision:

drawn: GRA checked: TAR

NO. DATE DESCRIPTION

1 3/9/21 ADDENDUM #1

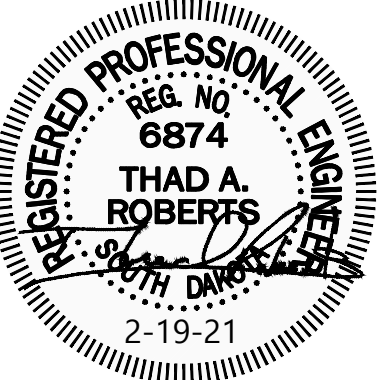
2.30



Architecture Incorporated

415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101
Phone: (605) 339-1711

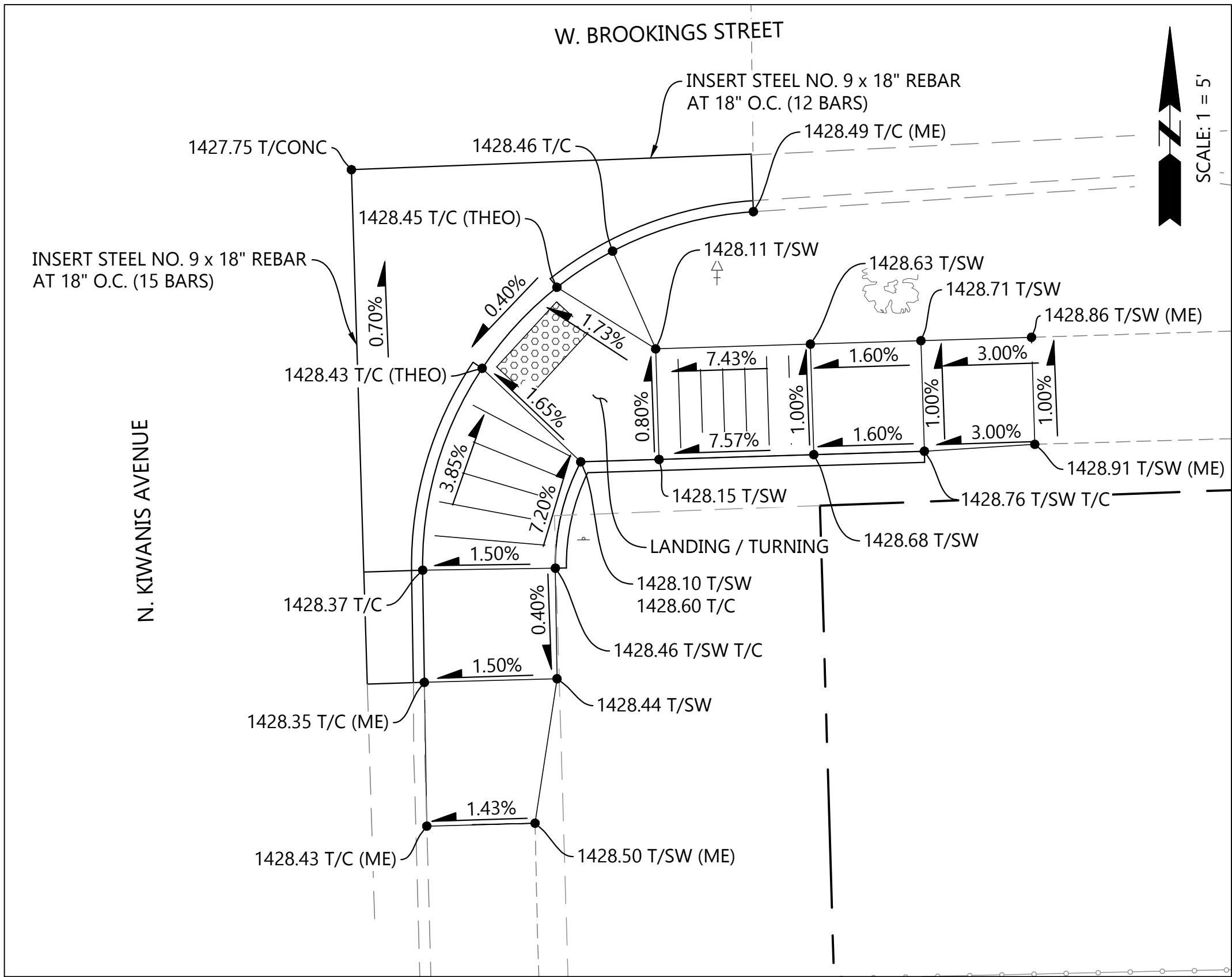
815 St Joseph Street, Suite 203
P.O. Box 8047
Rapid City, South Dakota 57701
Phone: (605) 721-1158



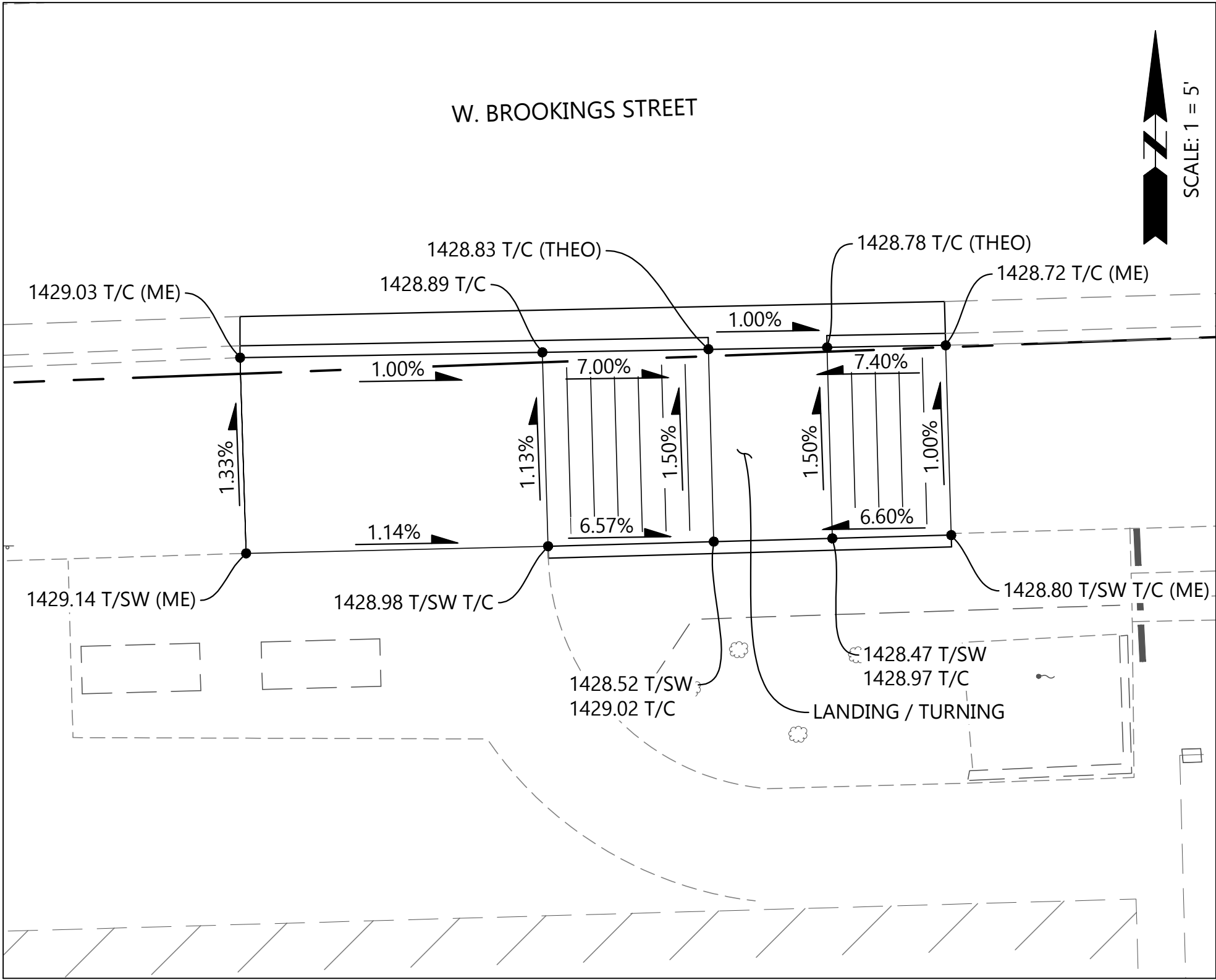
JANE ADDAMS ELEMENTARY 2021 ADDITION
CIVIL GRADING PLAN

| | | |
|---------|----------|--------------|
| Project | number | 1105.2914.20 |
| | date | 2/19/2021 |
| | revision | |
| | drawn | GRA |
| | checked | TAR |
| NO. | DATE | DESCRIPTION |
| 1 | 3/9/21 | ADDENDUM #1 |
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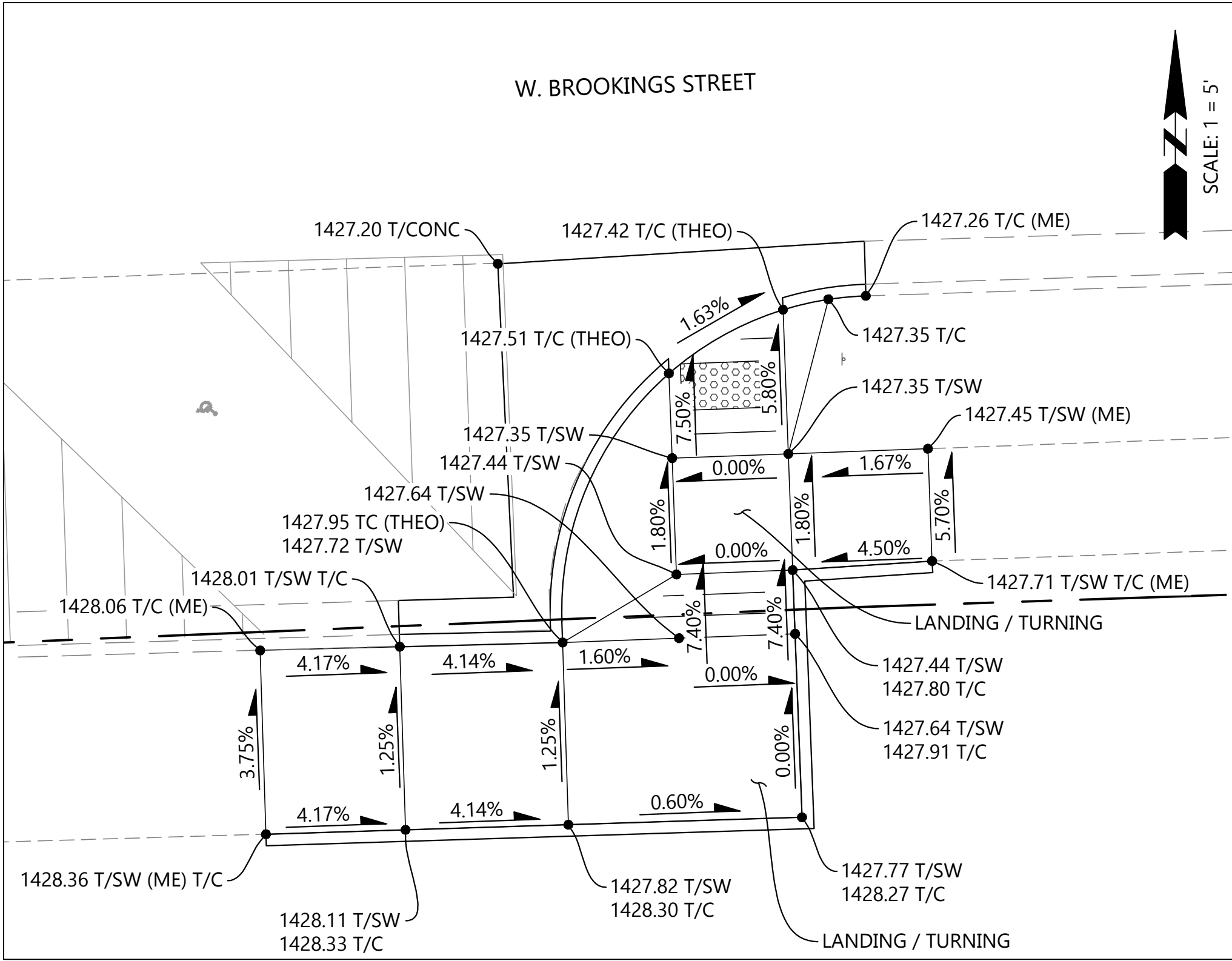
2.43



SE CORNER OF W. BROOKINGS ST.
& N. KIWANIS AVE



FRONT ENTRANCE ON
W. BROOKINGS ST.



SE CORNER OF W. BROOKINGS ST.
& N. WILLIAMS AVE

LEGEND

| | | | |
|-------|--------------------------|--------|--------------------------|
| ===== | EXISTING CURB & GUTTER | | DETECTABLE WARNING PANEL |
| ===== | PROPOSED CURB & GUTTER | T/C | TOP OF CURB |
| ===== | EXISTING SIDEWALK | T/SW | TOP OF SIDEWALK |
| ===== | PROPOSED SIDEWALK | (THEO) | THEORETICAL |
| ===== | EXISTING EDGE OF ASPHALT | FG | FINISHED GRADE |
| ===== | PROPOSED EDGE OF ASPHALT | (ME) | MATCH EXISTING |

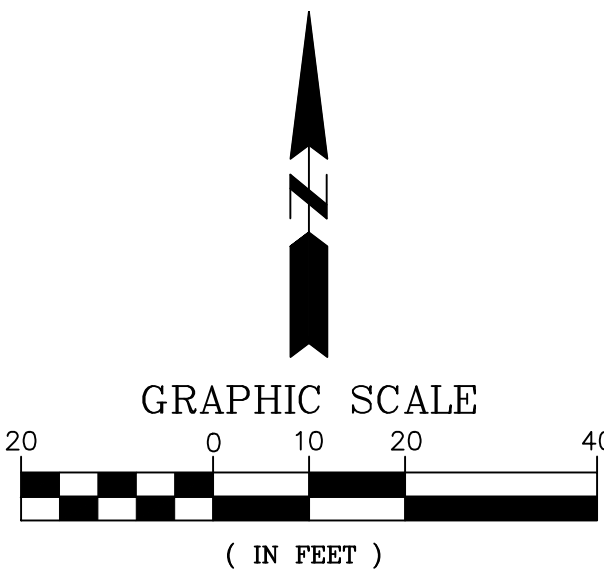
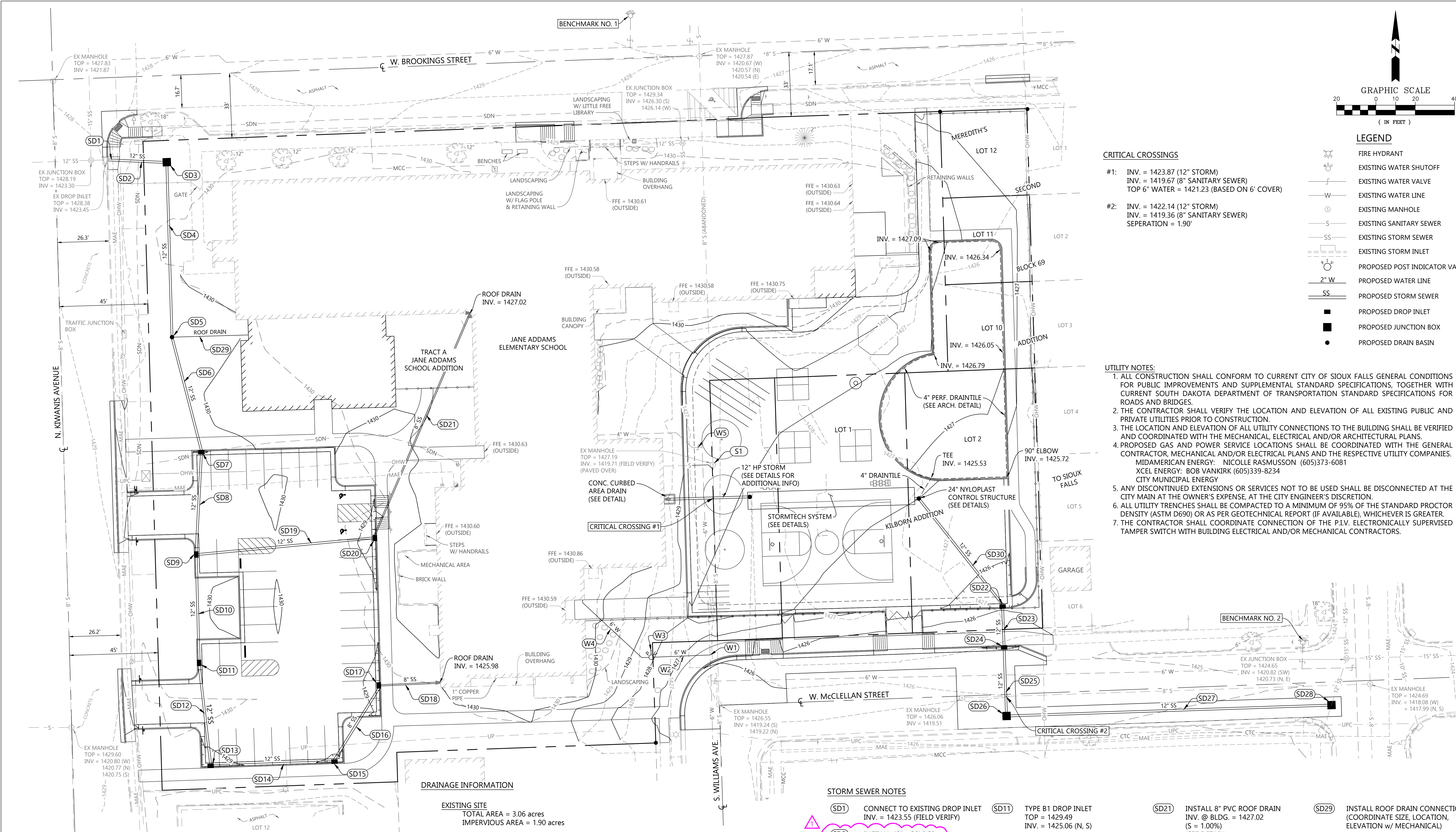
ADA RAMP NOTE:
ANY PEDESTRIAN PATHWAYS OR SIDEWALKS INSTALLED ON OR ADJACENT TO THIS SITE DEVELOPMENT SHALL BE FULLY ADA COMPLIANT. THE CITY WILL BE INSPECTING NEW SIDEWALK INSTALLATIONS FOR COMPLIANCE. AFTER SIDEWALK INSTALLATION IS COMPLETE, CONTRACTOR SHALL CONTACT THE CITY ENGINEER'S OFFICE AT 367-8601 TO SCHEDULE AN INSPECTION. ANY SECTION OF SIDEWALK FOUND TO BE OUT OF COMPLIANCE SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. THERE ARE NO CONSTRUCTION TOLERANCES ON MAXIMUM OR MINIMUM GRADES. FOR EXAMPLE, THE CONTRACTOR MAY WANT TO SET SIDEWALK FORMS AT 1.5% CROSS SLOPE TO FALL UNDER THE 2% MAXIMUM SIDEWALK CROSS SLOPE REQUIREMENT.

| |
|--|
| BENCHMARK: NO. 1 TOP NUT OF FIRE HYDRANT ON NORTH SIDE OF WEST BROOKINGS STREET ELEV. = 1431.28 (88 DATUM) |
| BENCHMARK: NO. 2 TOP NUT OF FIRE HYDRANT ON NW CORNER OF W. McCLELLAN ST. & N. GARFIELD AVE. INTERSECTION ELEV. = 1427.30 (88 DATUM) |

BY: GRA, 22539 P.dwg, ADA GRADING, REV DATE: Mar 08, 2021, PRINT DATE: Mar 08, 2021

2/19/2021 8:50:11 AM

2/19/2021 8:50:11 AM



LEGEND

- FIRE HYDRANT
- EXISTING WATER SHUTOFF
- EXISTING WATER VALVE
- EXISTING WATER LINE
- EXISTING MANHOLE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING STORM INLET
- PROPOSED POST INDICATOR VALVE
- PROPOSED WATER LINE
- PROPOSED STORM SEWER
- PROPOSED DROP INLET
- PROPOSED JUNCTION BOX
- PROPOSED DRAIN BASIN

CRITICAL CROSSINGS

- #1: INV. = 1423.87 (12" STORM)
INV. = 1419.67 (8" SANITARY SEWER)
TOP 6" WATER = 1421.23 (BASED ON 6" COVER)
- #2: INV. = 1422.14 (12" STORM)
INV. = 1419.36 (8" SANITARY SEWER)
SEPERATION = 1.90'

UTILITY NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO CURRENT CITY OF SIOUX FALLS GENERAL CONDITIONS FOR PUBLIC IMPROVEMENTS AND SUPPLEMENTAL STANDARD SPECIFICATIONS, TOGETHER WITH CURRENT SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO CONSTRUCTION.
- THE LOCATION AND ELEVATION OF ALL UTILITY CONNECTIONS TO THE BUILDING SHALL BE VERIFIED AND COORDINATED WITH THE MECHANICAL, ELECTRICAL AND/OR ARCHITECTURAL PLANS.
- PROPOSED GAS AND POWER SERVICE LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR, MECHANICAL AND/OR ELECTRICAL PLANS AND THE RESPECTIVE UTILITY COMPANIES.
MIDAMERICAN ENERGY: NICOLLE RASMUSSEN (605)373-6081
XCEL ENERGY: BOB VANKIRK (605)339-8234
CITY MUNICIPAL ENERGY
- ANY DISCONTINUED EXTENSIONS OR SERVICES NOT TO BE USED SHALL BE DISCONNECTED AT THE CITY MAIN AT THE OWNER'S EXPENSE, AT THE CITY ENGINEER'S DISCRETION.
- ALL UTILITY TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR DENSITY (ASTM D690) OR AS PER GEOTECHNICAL REPORT (IF AVAILABLE), WHICHEVER IS GREATER.
- THE CONTRACTOR SHALL COORDINATE CONNECTION OF THE P.I.V. ELECTRONICALLY SUPERVISED TAMPER SWITCH WITH BUILDING ELECTRICAL AND/OR MECHANICAL CONTRACTORS.

WATER MAIN NOTES

- W1** INSTALL 6" x 6" SMITH TAP w/RISER
- W2** INSTALL 6" x 30' PVC WATER SERVICE (FIRE)
- W3** INSTALL PIV (33' FROM EXISTING BUILDING)
2 - 6" M.J. RESTRAINING DEVICES
- W4** INSTALL THE FOLLOWING
6" x 48" ± PVC FIRE SERVICE
2 - 6" x 45 DEG. M.J. ELBOWS
4 - M.J. RESTRAINING DEVICES
(2 AT EACH ELBOW)
(FIRE SERVICE WILL ENTER THE BUILDING INTO AN EXISTING TUNNEL. COORDINATE w/MECHANICAL)
- W5** ADD VALVE BOX EXTENSION
EXISTING ELEV. = 1427.20
PROPOSED ELEV. = 1428.53
ADJUSTMENT = +1.33' ±

SANITARY SEWER NOTES

- S1** REMOVE / REPLACE EXISTING 48" DIA. MANHOLE
TOP = 1426.91 (ESTIMATED EXISTING)
= 1428.38 (PROPOSED)
INV. = 1419.71 (8" S) (FIELD VERIFY)
DEPTH = 8.67'
- (THE CONTRACTOR SHALL INSTALL WYE, PVC PIPE
ELBOW TO CONNECT THE SERVICE TO THE MAIN
JUST SOUTH OF THE PROPOSED MANHOLE. THE SIZE
OF THE EXISTING SERVICE IS UNKNOWN AND IS
LIKELY EITHER 8" OR 6")

EXISTING SITE
TOTAL AREA = 3.06 acres
IMPERVIOUS AREA = 1.90 acres

PROPOSED SITE
TOTAL AREA = 3.06 acres
IMPERVIOUS AREA = 2.06 acres

INCREASED IMPERVIOUS AREA = 0.159 acres
TO MEET CITY DRAINAGE REQUIREMENTS, THE INCREASED IMPERVIOUS
AREA MUST HAVE BMP AND DETENTION. THE DETENTION REQUIRED WILL
REDUCE 5 YR AND 100 YR FLOWS TO EXISTING FLOWS FOR THE 0.159
ACRES.

0.159 ACRE CALCULATIONS
EXISTING CN = 69 (Grass-fair)
T_c = 15 min.
Q_c = 0.18 cfs
Q₁₀₀ = 0.51 cfs

PROPOSED CN = 98 (rooftop)
T_c = 15 min.
Q_c INTO STORMTECH SYSTEM = 0.57 cfs
Q₁₀₀ INTO STORMTECH SYSTEM = 2.33 cfs
Q_c OUT OF STORMTECH SYSTEM = 0.18
Q₁₀₀ OUT OF STORMTECH SYSTEM = 0.51

VOLUME PROVIDED BY STORMTECH SYSTEM 889 CUBIC FEET
ISOLATOR ROW PROVIDES STORM WATER QUALITY FEATURE (BMP)

BMP INFO (FOR THE ADDITIONAL 0.159 ACRES OF IMPERVIOUS)
PERCENT IMPERVIOUS = 100%
CONTRIBUTING WATERSHED = 6937 SqFt
WQCV = 0.50 WATERSHED INCHES
DESIGN VOLUME = 291.3 CUBIC FEET (BASED ON PLD SPREADSHEET)

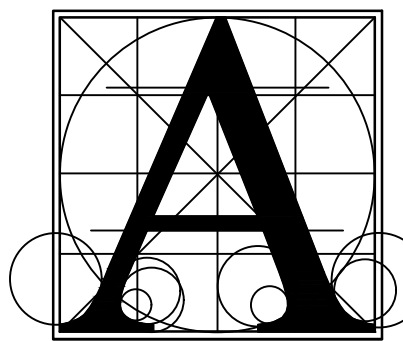
STORM SEWER NOTES

- | | | | |
|---|--|--|--|
| SD1 CONNECT TO EXISTING DROP INLET INV. = 1423.55 (FIELD VERIFY) | SD11 TYPE B1 DROP INLET TOP = 1429.49 INV. = 1425.06 (N, S) | SD21 INSTALL 8" PVC ROOF DRAIN INV. @ BLDG. = 1427.02 (S = 1.00%) (SEE DETAIL) | SD29 INSTALL ROOF DRAIN CONNECTION (COORDINATE SIZE, LOCATION, ELEVATION w/ MECHANICAL) |
| SD2 INSTALL 12" x 28" RCP (S = 0.54%) | SD12 INSTALL 12" x 50' PIPE (S = 0.50%) | SD22 TYPE B1 DROP INLET TOP = 1426.04 INV. = 1422.37 (NW, S) | SD30 INSTALL 12 x 67' HP STORM (S = 0.50%) |
| SD3 4' x 4' TYPE 1 JUNCTION BOX TOP = 1429.50 INV. = 1423.70 (W, S) | SD13 TYPE B1 DROP INLET TOP = 1429.27 INV. = 1425.31 (N, E) | SD23 INSTALL 12" x 19' RCP (S = 0.50%) | **NOTE: WHERE STORM CALLOUT DOESN'T INDICATE A SPECIFIC TYPE OF PIPE, THE PIPE MATERIAL MAY BE HP STORM OR RCP. THE 8" PVC ROOF DRAIN SHALL BE SCHEDULE 40 PVC. |
| SD4 INSTALL 12" x 87' HP STORM (S = 0.55%) | SD14 INSTALL 12" x 60' PIPE (S = 0.50%) | SD24 TYPE B1 DROP INLET TOP = 1429.37 INV. = 1422.27 (N, S) | |
| SD5 24" DIA. NYLOPLAST DRAIN BASIN w/SOLID COVER TOP = 1429.31 INV. = 1424.18 (N, S, E) = 1423.68 (SUMP) | SD15 TYPE B1 DROP INLET TOP = 1429.37 INV. = 1425.61 (W, NE) | SD25 INSTALL 12" x 32' RCP (S = 0.53%) | |
| SD6 INSTALL 12" x 59' HP STORM (S = 0.56%) | SD16 INSTALL 12" x 43' PIPE (S = 0.50%) | SD26 4' x 4' TYPE 1 JUNCTION BOX TOP = 1425.62 INV. = 1422.10 (N) = 1422.00 (E) | |
| SD7 TYPE B1 DROP INLET TOP = 1429.45 INV. = 1424.51 (N, S) | SD17 TYPE B1 DROP INLET TOP = 1429.27 INV. = 1425.83 (SW, E) | SD27 INSTALL 12" x 162' RCP (S = 0.53%) | |
| SD8 INSTALL 12" x 49' PIPE (S = 0.50%) | SD18 INSTALL 8" PVC ROOF DRAIN INV. @ BLDG. = 1425.98 (S = 0.50%) (SEE DETAIL) | SD28 4' x 4' TYPE 1 JUNCTION BOX TOP = 1424.36 INV. = 1421.15 (W) = 1421.09 (SW) - FIELD VERIFY = 1421.05 (NE) - FIELD VERIFY | |
| SD9 TYPE B1 DROP INLET TOP = 1429.49 INV. = 1424.79 (N, S, E) | SD19 INSTALL 12" x 90' PIPE (S = 1.08%) | | |
| SD10 INSTALL 12" x 53' PIPE (S = 0.50%) | SD20 TYPE B1 DROP INLET TOP = 1429.26 INV. = 1425.76 (W, NE) | | |

BENCHMARK: NO. 1
TOP NUT OF FIRE HYDRANT ON
NORTH SIDE OF WEST
BROOKINGS STREET
ELEV. = 1431.28 (88 DATUM)

BENCHMARK: NO. 2
TOP NUT OF FIRE HYDRANT ON
NW CORNER OF W. McCLELLAN ST.
& N. GARFIELD AVE. INTERSECTION
ELEV. = 1427.30 (88 DATUM)

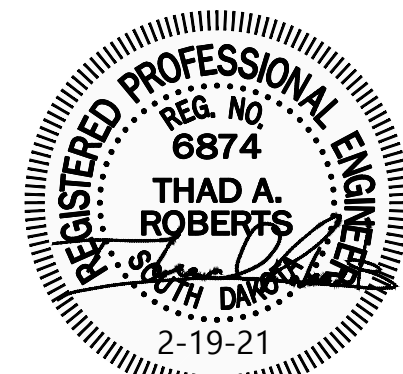
BY: GRA, 22539 P.dwg, UTIL-DRAIN, REV DATE: Mar 08, 2021, PRINT DATE: Mar 08, 2021



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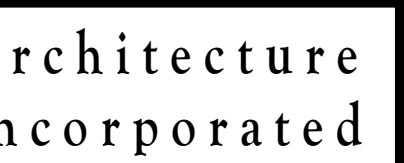
Sayre
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215 S. Clark Avenue • Sioux Falls, SD 57104
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Engineers • Surveyors

Project
JANE ADDAMS ELEMENTARY 2021 ADDITION

Sheet Contents
UTILITY / DRAINAGE PLAN

| | | | |
|----------|--------------|-------------|-----|
| number | 1105.2914.20 | | |
| date | 2/19/2021 | | |
| revision | | | |
| drawn | GRA | checked | TAR |
| NO. | DATE | DESCRIPTION | |
| 1 | 3/8/21 | ADDENDUM #1 | |
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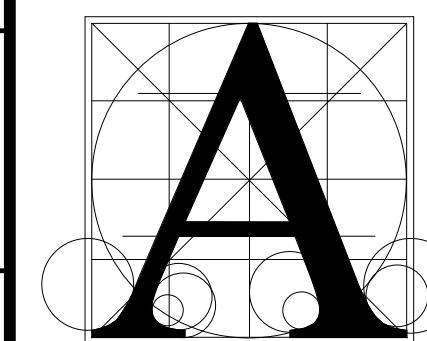


ARCHITECTURAL SITE DEMOLITION PLAN

| | |
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| per | 1105.2914.20 |
| e | 2/19/2021 |
| sion | |
| yn | KCP checked SRJ |
| DATE | DESCRIPTION |
| 3-8-21 | ADDENDUM 1 |

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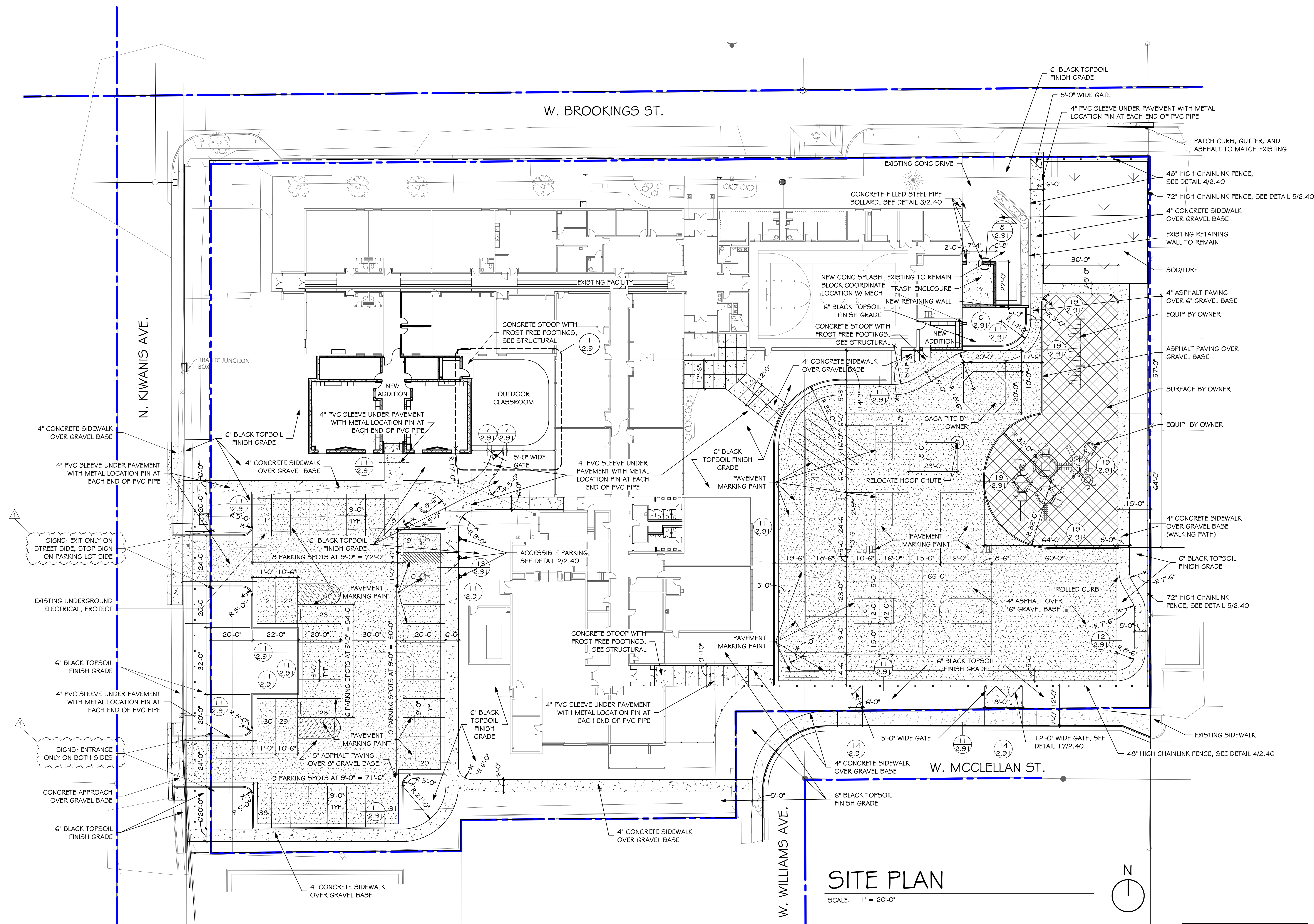


**JJANE ADDAMS ELEMENTARY SCHOOL - C.I.P.:
ADDITION AND RENNOVATIONS PD #3312**

SITE PLAN

| | | |
|----------|--------------|-------------|
| number | 1105.2914.20 | |
| date | 2/19/2021 | |
| revision | | |
| drawn | KCP | checked SRJ |
| NO. | DATE | DESCRIPTION |
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