

PRELIMINARY PLAN - Monday, February 08, 2016

Project Title  
2017  
CLOQUET NEW MIDDLE SCHOOL  
- BID PACKAGE #2

ISD # 94 Cloquet, MN  
Commission Number 2078

Sheet Title  
OVERALL FLOOR PLAN - MAIN LEVEL & UPPER LEVEL

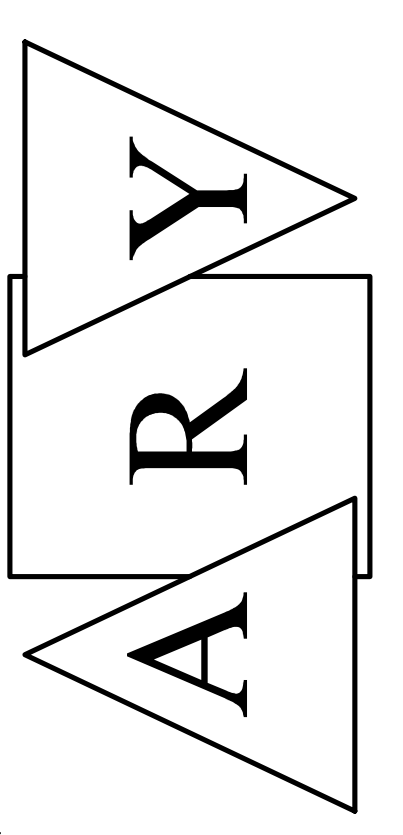
Drawn by HB North  
Checked by DE  
Date 00/00/00  
Revised 00/00/00  
Sheet Number

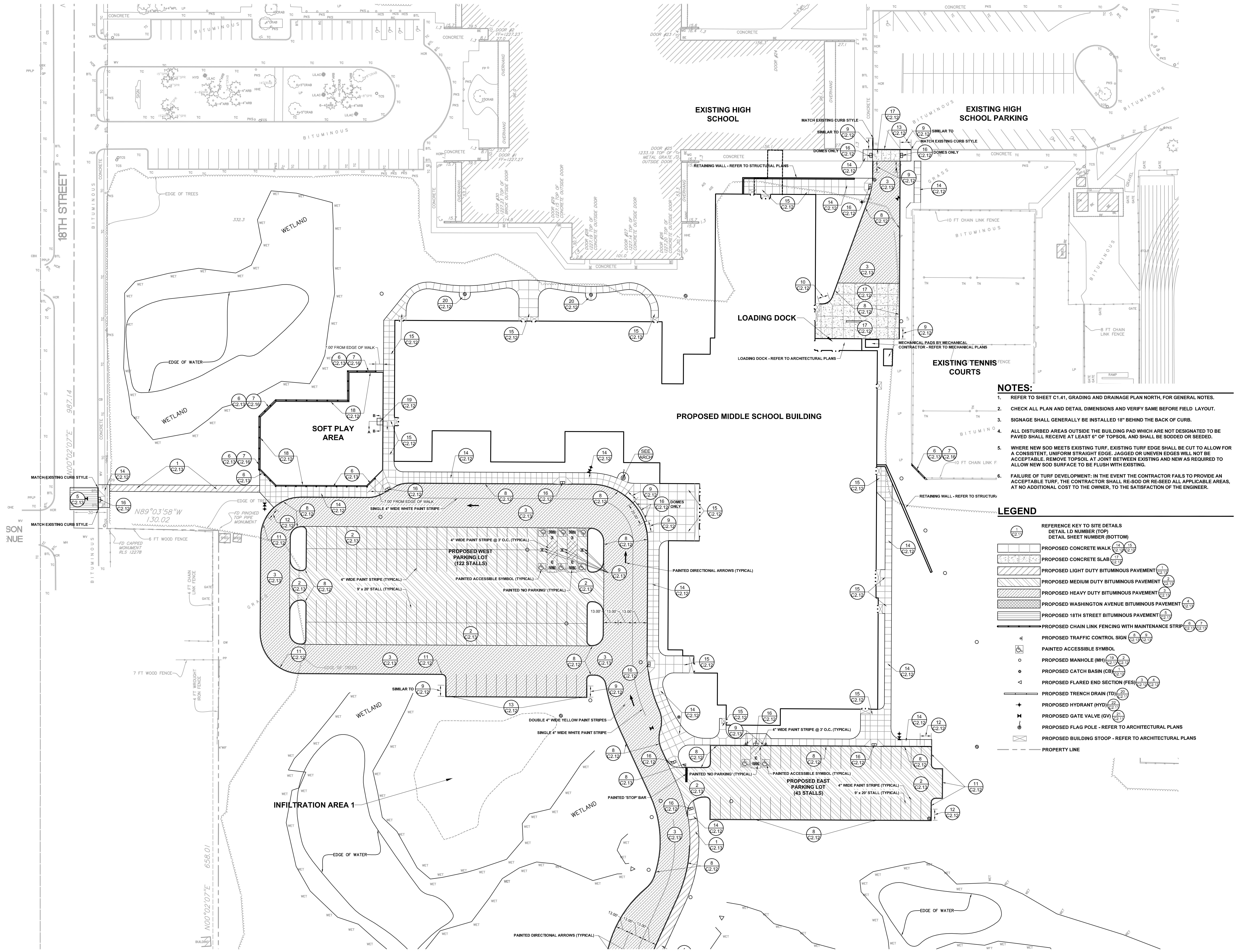
A2.0

ARCHITECTS REGO + YOUNGQUIST  
7601 Wayzata Boulevard Suite 200 St. Louis Park, Minnesota 55426  
Phone: 952-544-8941 Fax: 952-544-0585 aryarch.com

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

PAUL YOUNGQUIST  
Registration Number 13051





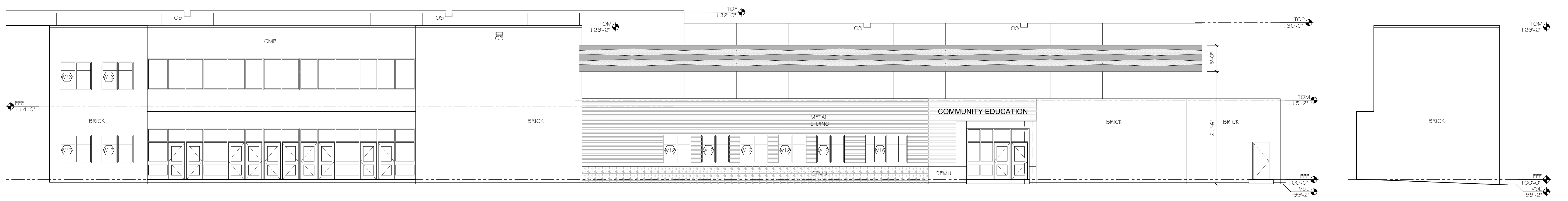
- NOTES:**
- REFER TO SHEET C1.41, GRADING AND DRAINAGE PLAN NORTH, FOR GENERAL NOTES.
  - CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
  - SIGNAGE SHALL GENERALLY BE INSTALLED 18" BEHIND THE BACK OF CURB.
  - ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SODDED OR SEEDDED.
  - WHERE NEW SOD MEETS EXISTING TURF, EXISTING TURF EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
  - FAILURE OF TURF DEVELOPMENT, IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD OR RE-SEED ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.

- LEGEND**
- REFERENCE KEY TO SITE DETAILS  
 DETAIL ID NUMBER (TOP)  
 DETAIL SHEET NUMBER (BOTTOM)
  - PROPOSED CONCRETE WALK
  - PROPOSED CONCRETE SLAB
  - PROPOSED LIGHT DUTY BITUMINOUS PAVEMENT
  - PROPOSED MEDIUM DUTY BITUMINOUS PAVEMENT
  - PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
  - PROPOSED WASHINGTON AVENUE BITUMINOUS PAVEMENT
  - PROPOSED 18TH STREET BITUMINOUS PAVEMENT
  - PROPOSED CHAIN LINK FENCING WITH MAINTENANCE STRIP
  - PROPOSED TRAFFIC CONTROL SIGN
  - PAINTED ACCESSIBLE SYMBOL
  - PROPOSED MANHOLE (MH)
  - PROPOSED CATCH BASIN (CB)
  - PROPOSED FLARED END SECTION (FES)
  - PROPOSED TRENCH DRAIN (TD)
  - PROPOSED HYDRANT (HYD)
  - PROPOSED GATE VALVE (GV)
  - PROPOSED FLAG POLE - REFER TO ARCHITECTURAL PLANS
  - PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
  - PROPERTY LINE

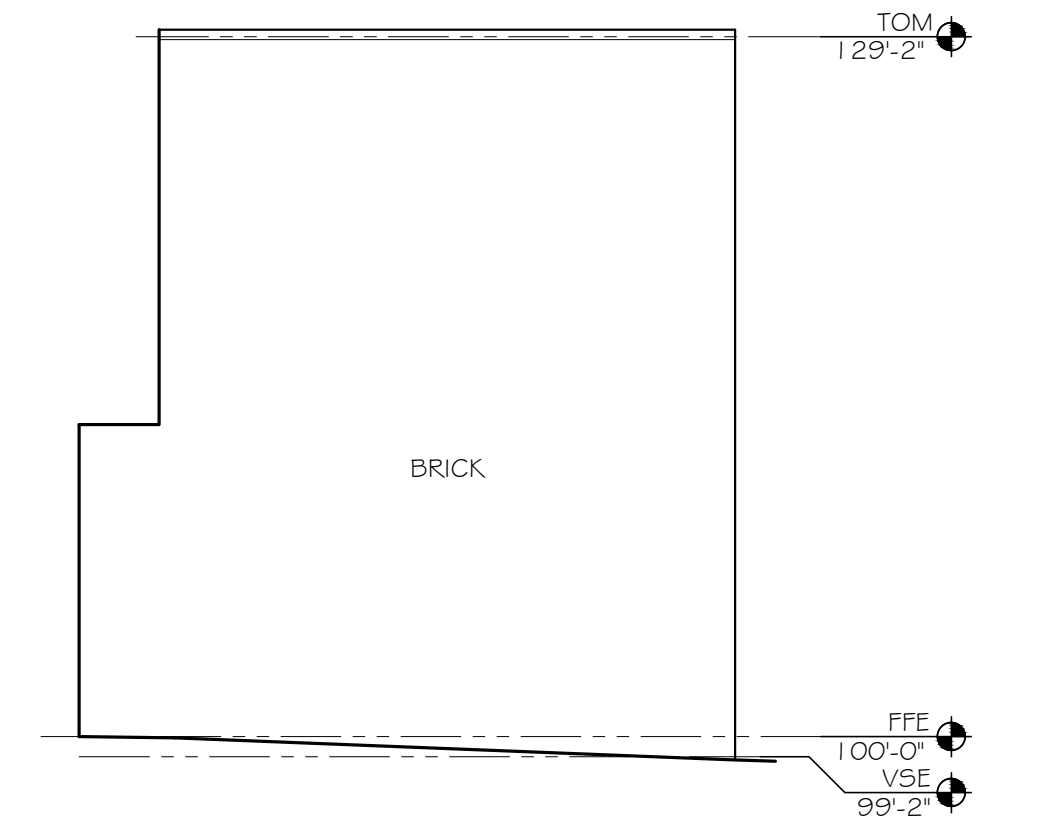




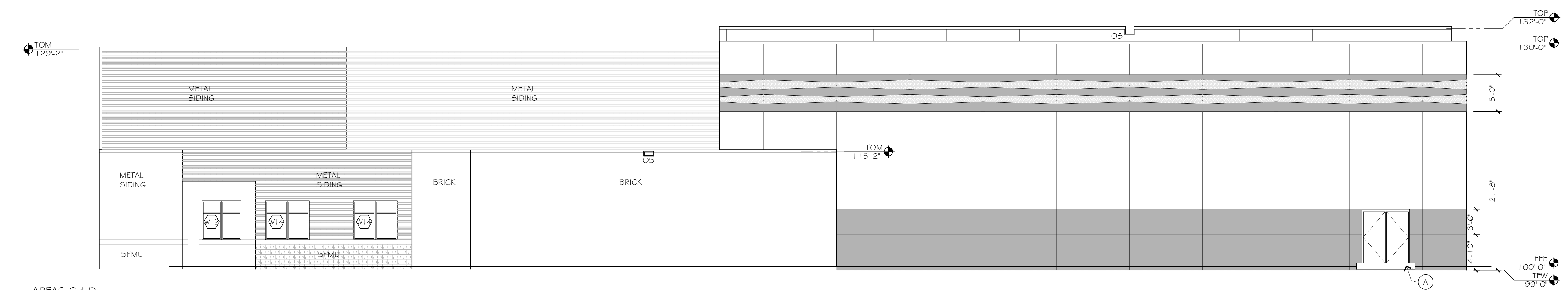
1 AREA A & C  
SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"



2 AREAS C & D  
PARTIAL WEST ELEVATION  
SCALE: 1/8" = 1'-0"



5 AREA C  
PARTIAL NORTH ELEVATION  
SCALE: 1/8" = 1'-0"



3 AREAS C & D  
SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"

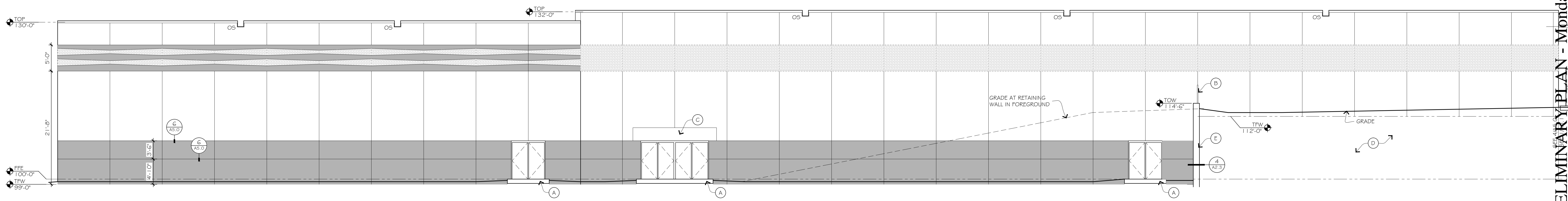
**GENERAL EXTERIOR ELEVATION NOTES:** FOR ALL EXTERIOR ELEVATIONS  
 1. MASON TO COORDINATE WITH ELECTRICAL CONTRACTOR THE LOCATION OF ALL EXTERIOR MOUNTED LIGHT FIXTURES.  
 2. EXTERIOR AND INTERIOR CONTROL JOINTS SEE DETAILS 5, 9, 10 AND 11 AS 0.  
 3. HATCH PATTERNS SHOWN FOR MATERIAL LOCATIONS. HATCH DOES NOT REFLECT ACTUAL MATERIAL COURSING, QUANTITIES, OR SIZE.

**EXTERIOR ELEVATION KEYNOTES:** LETTERS SHOWN IN CIRCLES (A)  
 A. CONCRETE STOOP  
 B. 1" EXPANSION JOINT - SEE DETAILS X 4 X1A.0  
 C. EXTERIOR STEPS - SEE CIVIL  
 D. DASHED LINE REPRESENTS OBJECTS IN FOREGROUND  
 E. STEPPED VISE - COORDINATE WITH FINAL GRADE  
 F. RAINWATER LEADER OUTLET AND SPLASH BLOCK - SEE DETAILS X 4 X1A.0  
 G. BRICK SOLDIER COURSE  
 H. EXTERIOR LIGHT FIXTURE - SEE DIVISION 26  
 I. HANDRAIL AND/OR GUARDRAIL - SEE DETAILS X 4 X1A.0

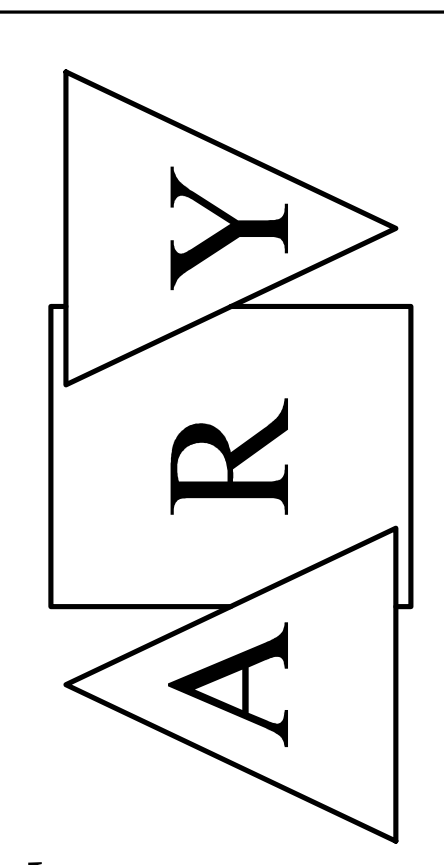
**EXTERIOR MASONRY LEGEND:**

[Hatch Pattern]	O4 20 00.A - BRICK NOMINAL FACE SIZE 4" X 12" (UTILITY)
[Hatch Pattern]	O4 20 00.G - SFMU NOMINAL FACE SIZE 8" X 24" (VARIES - SEE PATTERN)

NOTE: BRICK TYPES AND CMU COLORS TO BE SELECTED BY ARCHITECT. SEE SECTION O4 20 00 UNIT MASONRY AND SECTION O1 21 00 CASH ALLOWANCES.  
 NOTE: MASONRY HATCHES ARE NOT TO SCALE



4 AREAS C & D  
PARTIAL EAST ELEVATION  
SCALE: 1/8" = 1'-0"



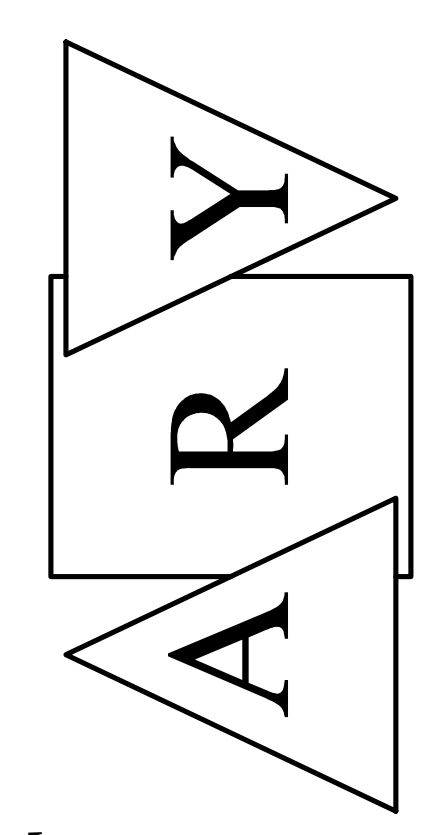
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 Project Title  
 2017 CLOQUET NEW MIDDLE SCHOOL - BID PACKAGE #2  
 ISD # 94 Cloquet, MN  
 Commission Number 2078

Sheet Title  
**EXTERIOR ELEVATIONS**  
 Drawn by TR/HB/DEM/H  
 Checked by DE  
 Date 00/00/00  
 Revised 00/00/00  
 Sheet Number

**A5.0**



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**PRELIMINARY PLAN - Monday, February 08, 2016**  
 Project Title  
**EXTERIOR ELEVATIONS**  
 Sheet Title  
 Drawn by TR/HB/DEM  
 Checked by DE  
 Date 00/00/00  
 Revised 00/00/00  
 Sheet Number

**A5.1**

**GENERAL EXTERIOR ELEVATION NOTES:** FOR ALL EXTERIOR ELEVATIONS

- MASON TO COORDINATE WITH ELECTRICAL CONTRACTOR THE LOCATION OF ALL EXTERIOR MOUNTED LIGHT FIXTURES.
- EXTERIOR AND INTERIOR CONTROL JOINTS SEE DETAILS 8.9, 1.0 AND 1.1A/9.0.
- HATCH PATTERNS SHOWN FOR MATERIAL LOCATIONS. HATCH DOES NOT REFLECT ACTUAL MATERIAL COURSING, QUANTITIES, OR SIZE.

**EXTERIOR ELEVATION KEYNOTES:** LETTERS SHOWN IN CIRCLES (A)

- CONCRETE STOOP
- 1" EXPANSION JOINT - SEE DETAILS X 4 X/A9.0
- EXTERIOR STEPS - SEE CIVIL
- DASHED LINE REPRESENTS OBJECTS IN FOREGROUND
- STEPPED V/S/E - COORDINATE WITH FINAL GRADE
- RAINWATER LEADER OUTLET AND SPLASH BLOCK - SEE DETAILS X 4 X/A9.0
- BRICK SOLDIER COURSE
- EXTERIOR LIGHT FIXTURE - SEE DIVISION 26
- HANDRAIL AND/OR GUARDRAIL - SEE DETAILS X 4 X/A5.0

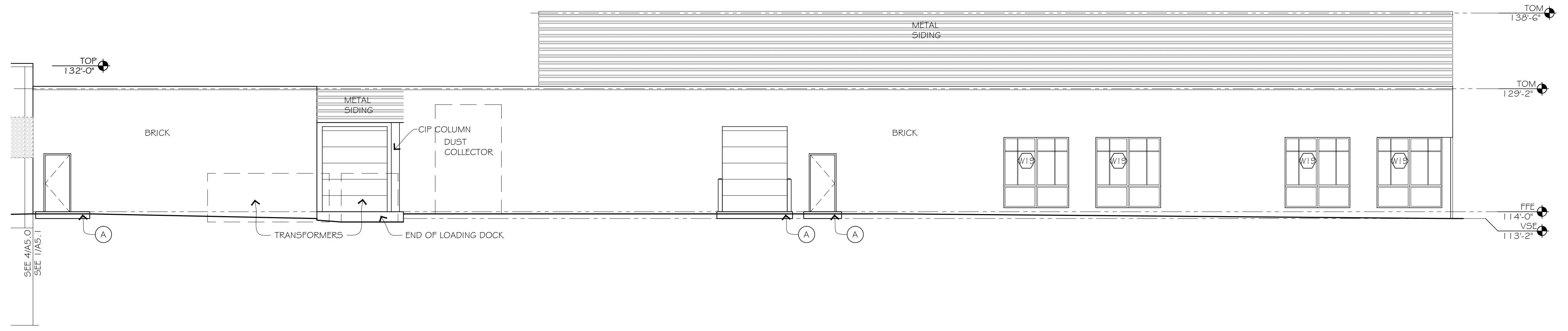
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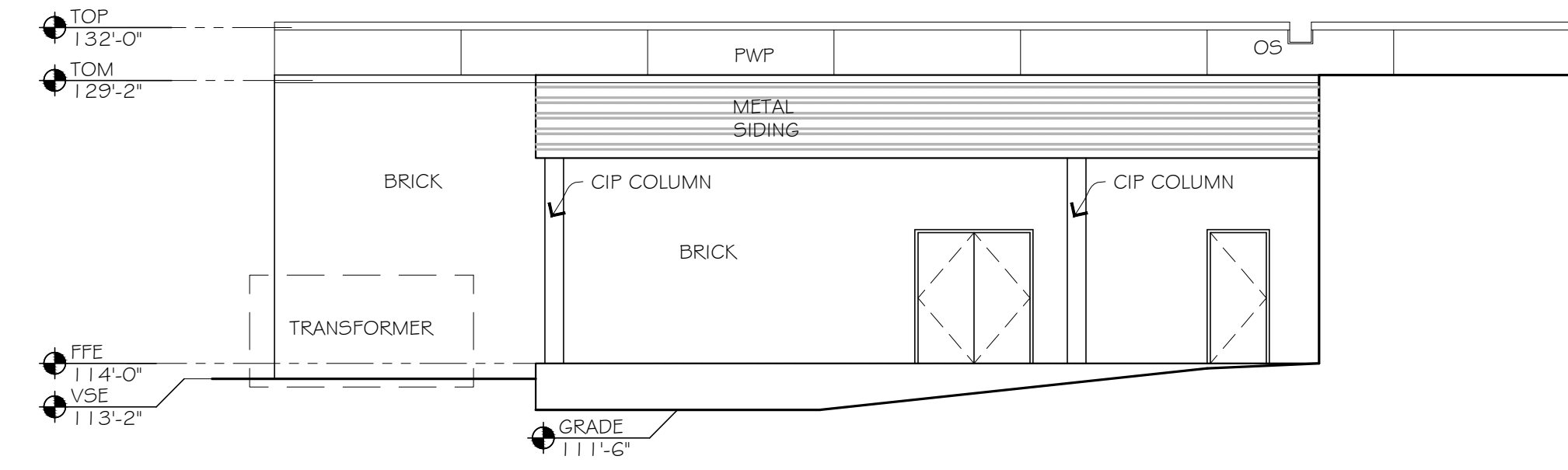
NOTE: BRICK TYPES AND CMU COLORS TO BE SELECTED BY ARCHITECT. SEE SECTION O4 20 00 UNIT MASONRY AND SECTION 01 21 00 CASH ALLOWANCES.  
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**PRECAST WALL PANEL LEGEND:**

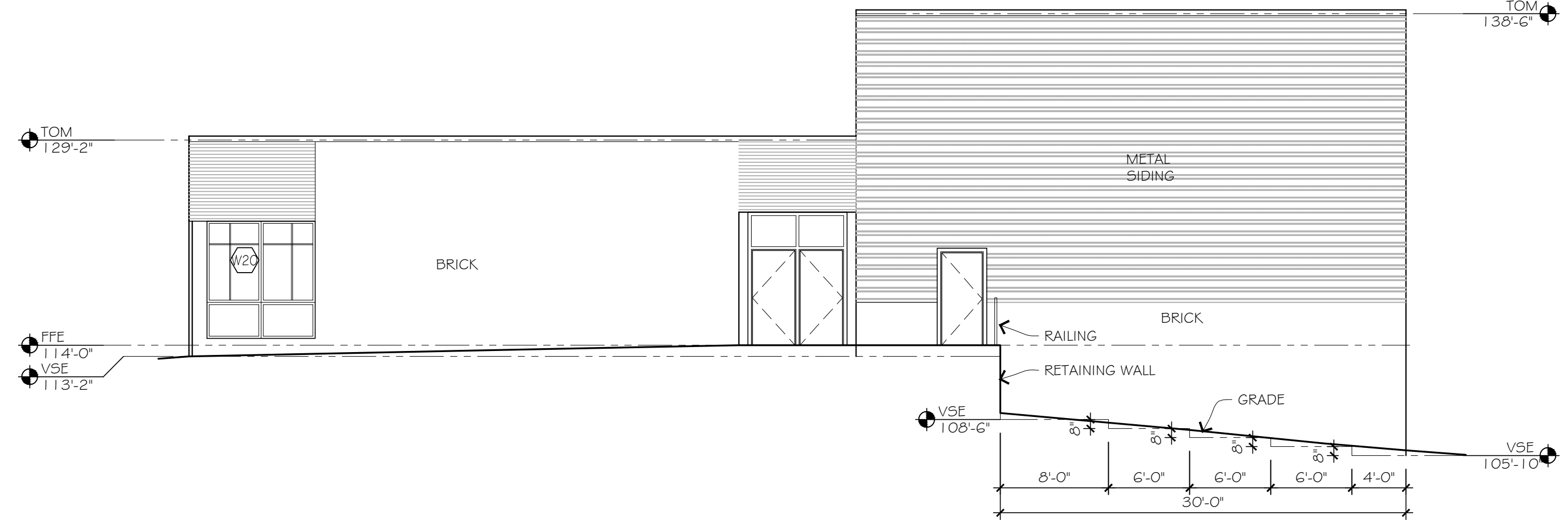
	ACID ETCHED TEXTURE
	SAND BLASTED TEXTURE
	WATER WASHED TEXTURE



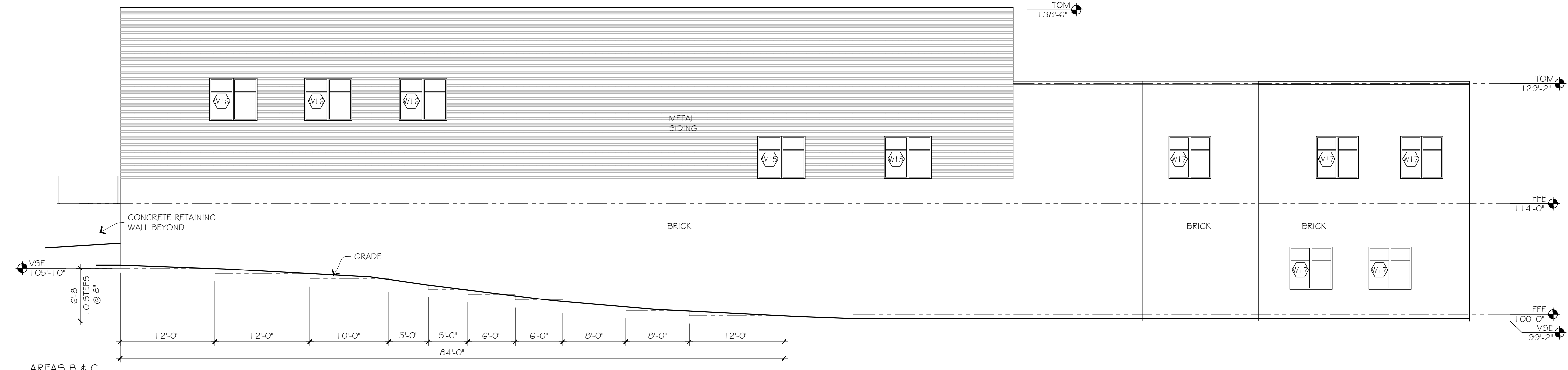
**1 AREAS B & C PARTIAL EAST ELEVATION**  
 SCALE: 1/8" = 1'-0"



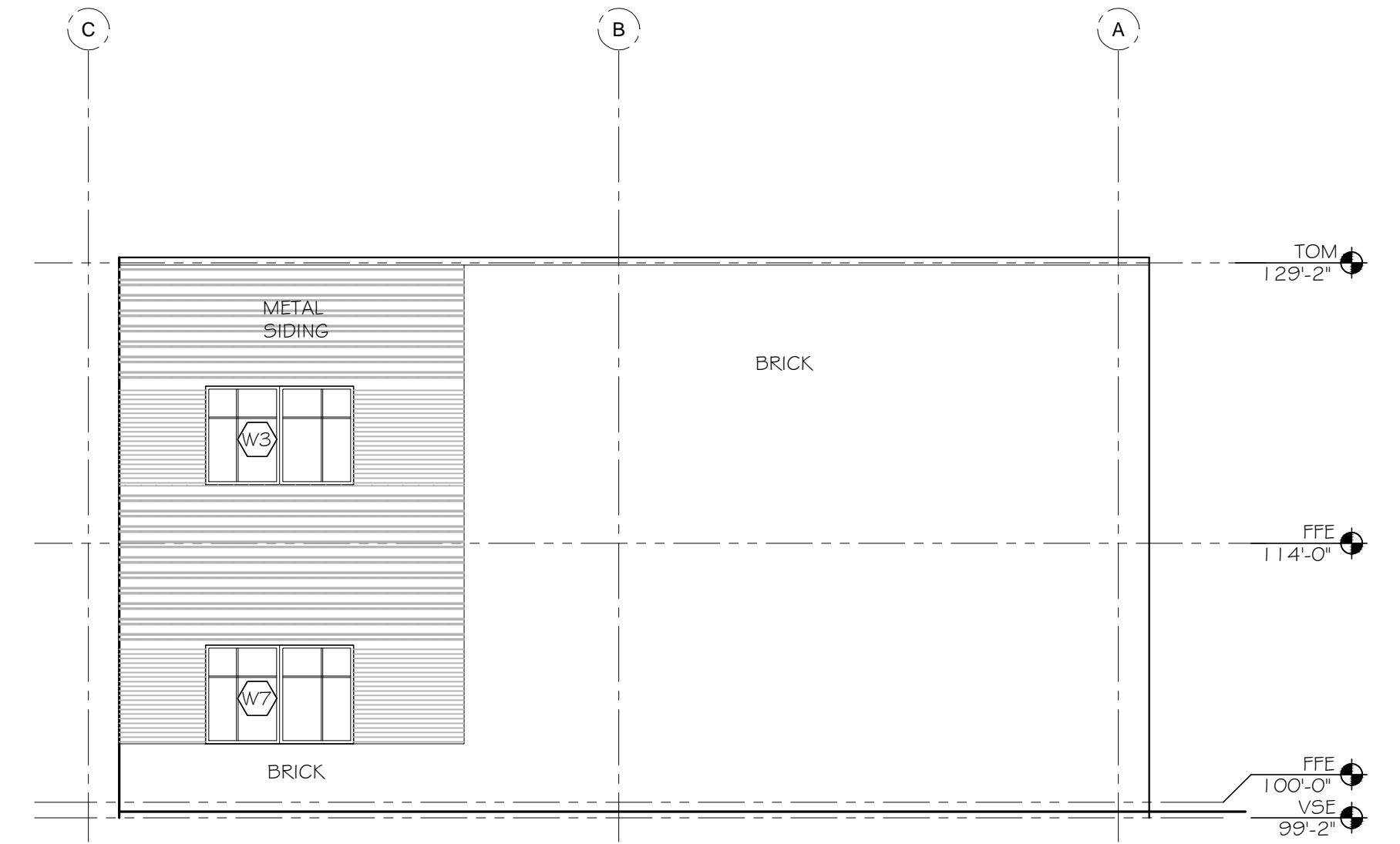
**2 AREA C PARTIAL NORTH ELEVATION**  
 SCALE: 1/8" = 1'-0"



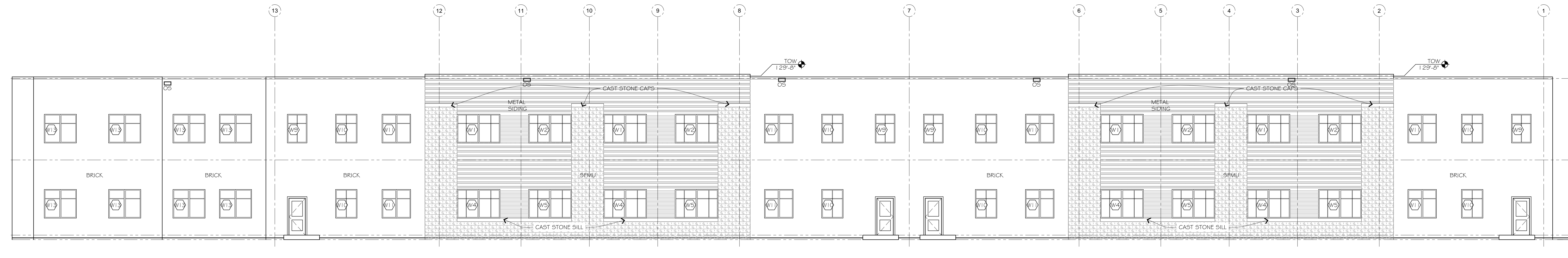
**3 AREA B NORTH ELEVATION**  
 SCALE: 1/8" = 1'-0"



**4 AREAS B & C WEST ELEVATION**  
 SCALE: 1/8" = 1'-0"

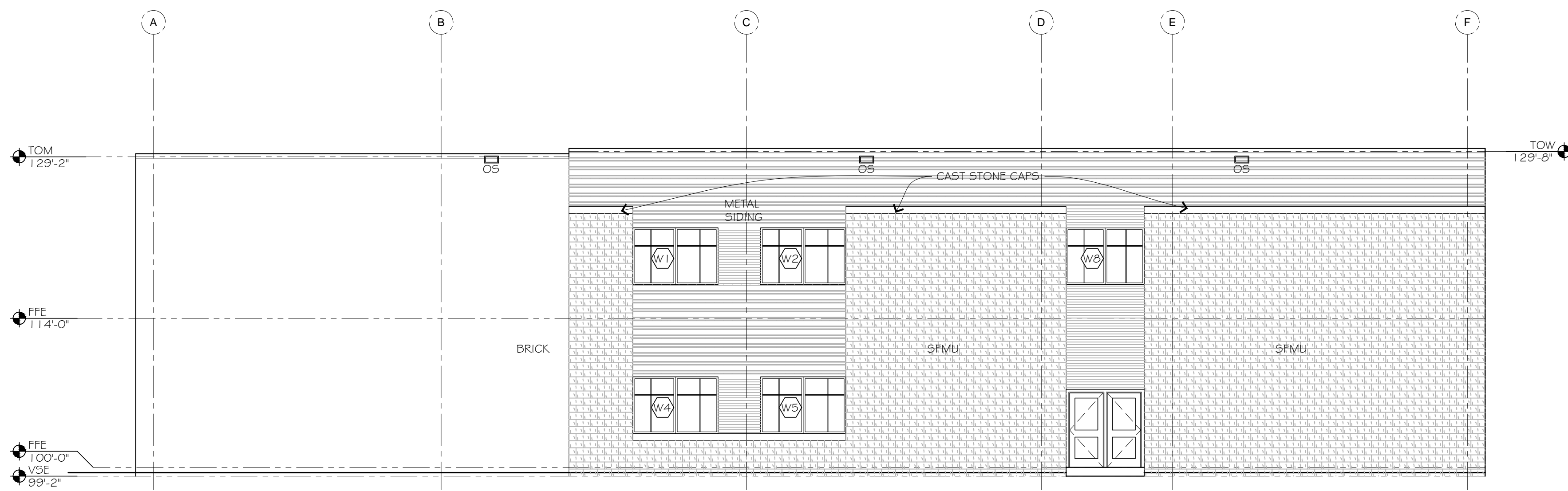


**5 AREA A EAST ELEVATION**  
 SCALE: 1/8" = 1'-0"

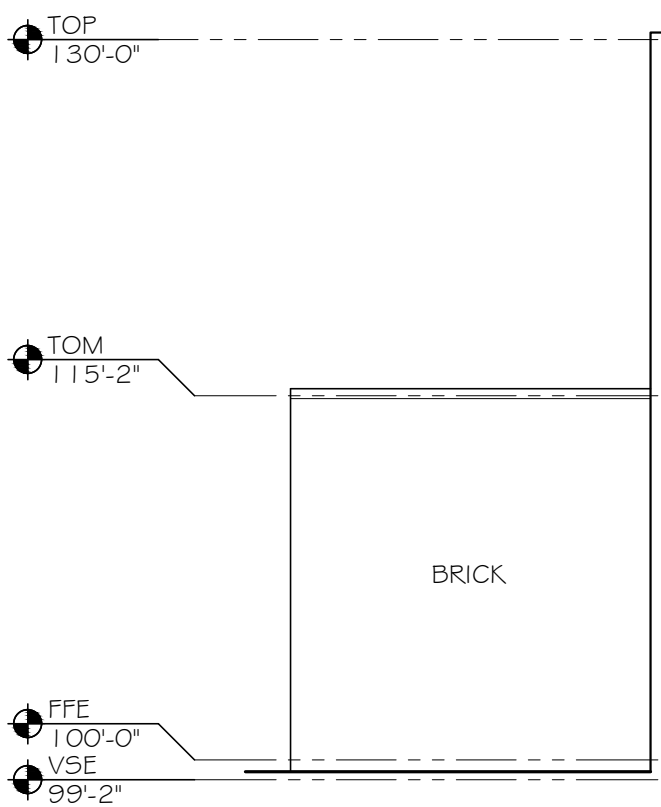


**6 AREAS A & C NORTH ELEVATION**  
 SCALE: 1/8" = 1'-0"





1 AREA A WEST ELEVATION  
SCALE: 1/8" = 1'-0"

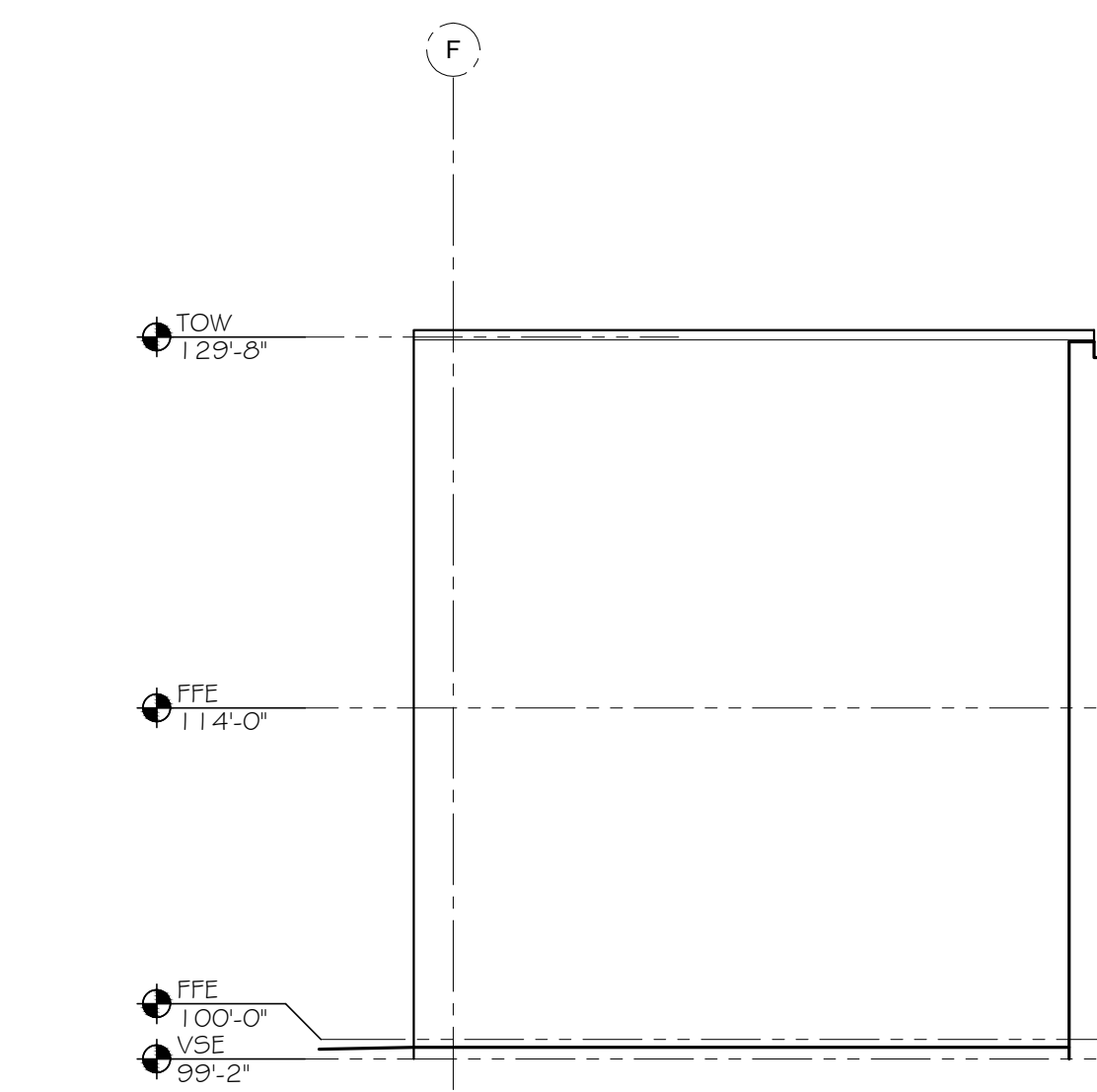


4 AREA A - ALTERNATE SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"

3 AREA D EAST ELEVATION  
SCALE: 1/8" = 1'-0"

5 AREA B - ALTERNATE PARTIAL EAST ELEVATION  
SCALE: 1/8" = 1'-0"

6 AREA B - ALTERNATE PARTIAL WEST ELEVATION  
SCALE: 1/8" = 1'-0"



2 AREA A EAST ELEVATION  
SCALE: 1/8" = 1'-0"

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- BRICK SOLDIER COURSE
- EXTERIOR LIGHT FIXTURE - SEE DIVISION 26
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**EXTERIOR MASONRY LEGEND:**

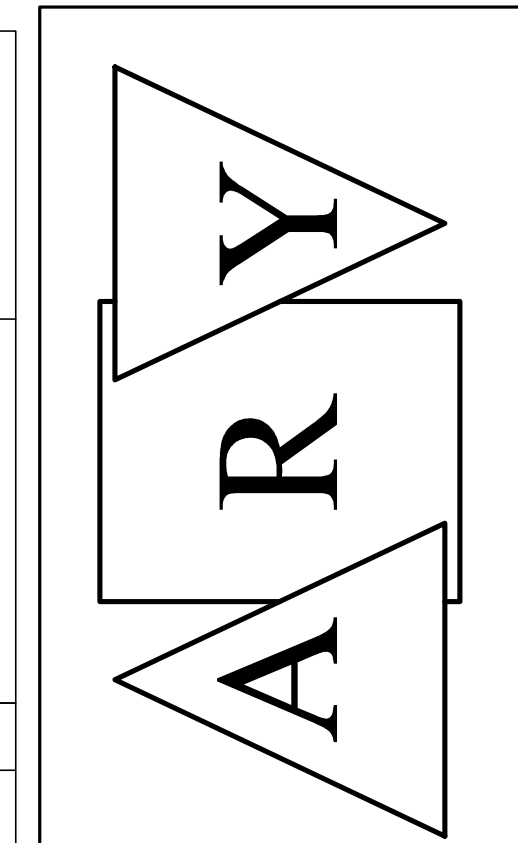
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NOTE: BRICK TYPES AND CMU COLORS TO BE SELECTED BY ARCHITECT. SEE SECTION 04 20 00 UNIT MASONRY AND SECTION 01 21 00 CASH ALLOWANCES.

NOTE: MASONRY HATCHES ARE NOT TO SCALE

**PRECAST WALL PANEL LEGEND:**

	ACID ETCHED TEXTURE
	SAND BLASTED TEXTURE
	WATER WASHED TEXTURE



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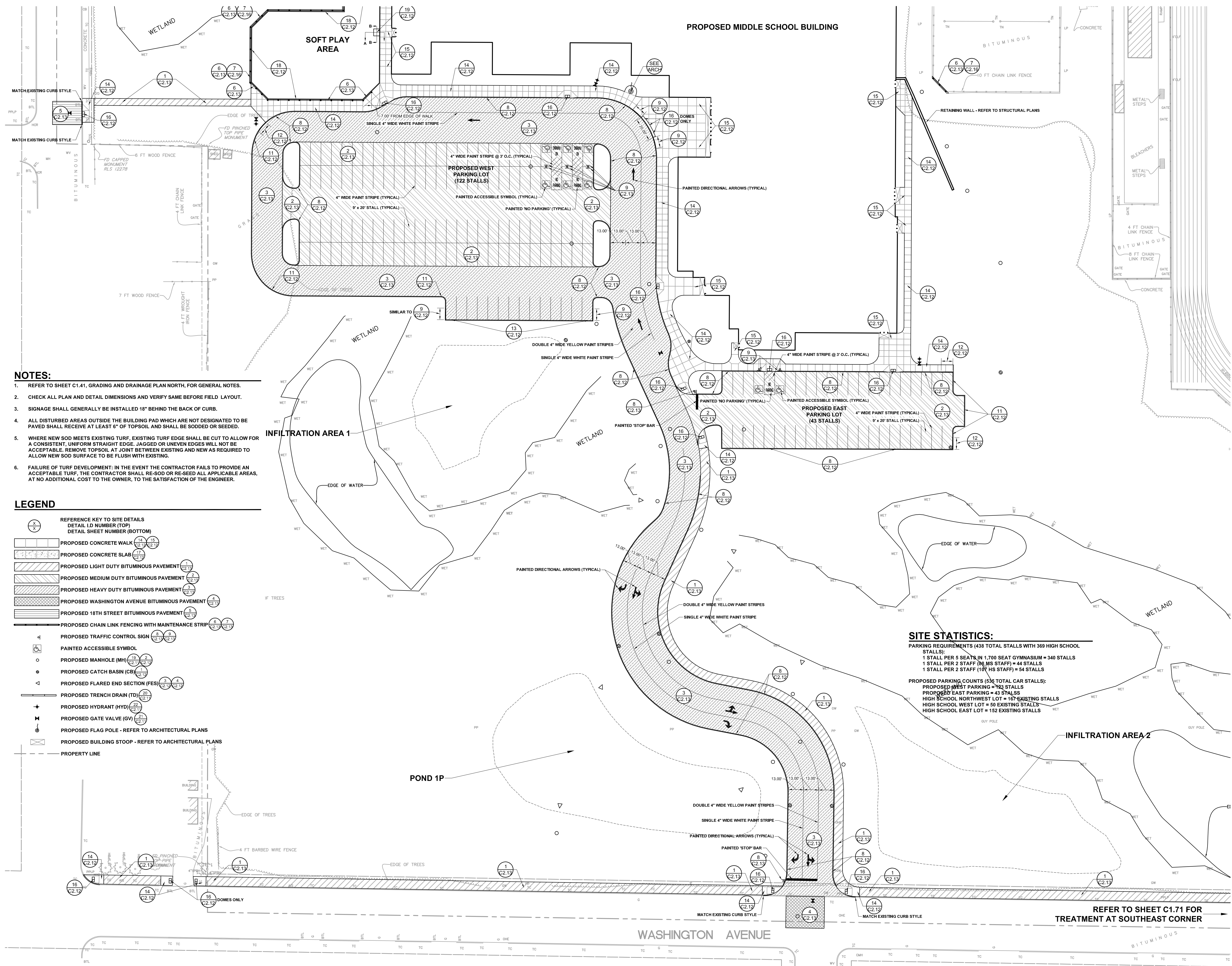
Project Title  
**2017 CLOQUET NEW MIDDLE SCHOOL - BID PACKAGE #2**

ISD # 94 Cloquet, MN  
Commission Number 2078

PRELIMINARY PLAN - Monday, February 08, 2016

Sheet Title  
**EXTERIOR ELEVATIONS**

Drawn by TR/HB/DEM/H	North 
Checked by DE	
Date 00/00/00	
Revised 00/00/00	
Sheet Number <b>A5.2</b>	



- NOTES:**
1. REFER TO SHEET C1.41, GRADING AND DRAINAGE PLAN NORTH, FOR GENERAL NOTES.
  2. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
  3. SIGNAGE SHALL GENERALLY BE INSTALLED 18" BEHIND THE BACK OF CURB.
  4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SODDED OR SEED.
  5. WHERE NEW SOD MEETS EXISTING TURF, EXISTING TURF EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
  6. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD OR RE-SEED ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.

- LEGEND**
- REFERENCE KEY TO SITE DETAILS  
DETAIL I.D NUMBER (TOP)  
DETAIL SHEET NUMBER (BOTTOM)
  - ▨ PROPOSED CONCRETE WALK
  - ▨ PROPOSED CONCRETE SLAB
  - ▨ PROPOSED LIGHT DUTY BITUMINOUS PAVEMENT
  - ▨ PROPOSED MEDIUM DUTY BITUMINOUS PAVEMENT
  - ▨ PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
  - ▨ PROPOSED WASHINGTON AVENUE BITUMINOUS PAVEMENT
  - ▨ PROPOSED 18TH STREET BITUMINOUS PAVEMENT
  - ▨ PROPOSED CHAIN LINK FENCING WITH MAINTENANCE STRIP
  - PROPOSED TRAFFIC CONTROL SIGN
  - PAINTED ACCESSIBLE SYMBOL
  - PROPOSED MANHOLE (MH)
  - PROPOSED CATCH BASIN (CB)
  - PROPOSED FLARED END SECTION (FES)
  - ▬ PROPOSED TRENCH DRAIN (TD)
  - PROPOSED HYDRANT (HYD)
  - PROPOSED GATE VALVE (GV)
  - PROPOSED FLAG POLE - REFER TO ARCHITECTURAL PLANS
  - ▨ PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
  - ▬ PROPERTY LINE

**SITE STATISTICS:**

**PARKING REQUIREMENTS (438 TOTAL STALLS WITH 369 HIGH SCHOOL STALLS):**  
 1 STALL PER 5 SEATS IN 1,700 SEAT GYMNASIUM = 340 STALLS  
 1 STALL PER 2 STAFF (88 MS STAFF) = 44 STALLS  
 1 STALL PER 2 STAFF (100 HS STAFF) = 50 STALLS

**PROPOSED PARKING COUNTS (536 TOTAL CAR STALLS):**  
 PROPOSED WEST PARKING = 122 STALLS  
 PROPOSED EAST PARKING = 43 STALLS  
 HIGH SCHOOL NORTHWEST LOT = 107 EXISTING STALLS  
 HIGH SCHOOL WEST LOT = 50 EXISTING STALLS  
 HIGH SCHOOL EAST LOT = 152 EXISTING STALLS

REFER TO SHEET C1.71 FOR TREATMENT AT SOUTHEAST CORNER

**ARY**

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**AJA**  
 ASSOCIATES, INC.  
 ANDERSON - JOHNSON  
 LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING  
 575 GARDEN VALLEY ROAD • MINNEAPOLIS, MN 55427  
 (612) 933-4400

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 in the State of Minnesota.

Signature: *David M. Setzer*  
 Title: Professional Engineer  
 License No. 0022262

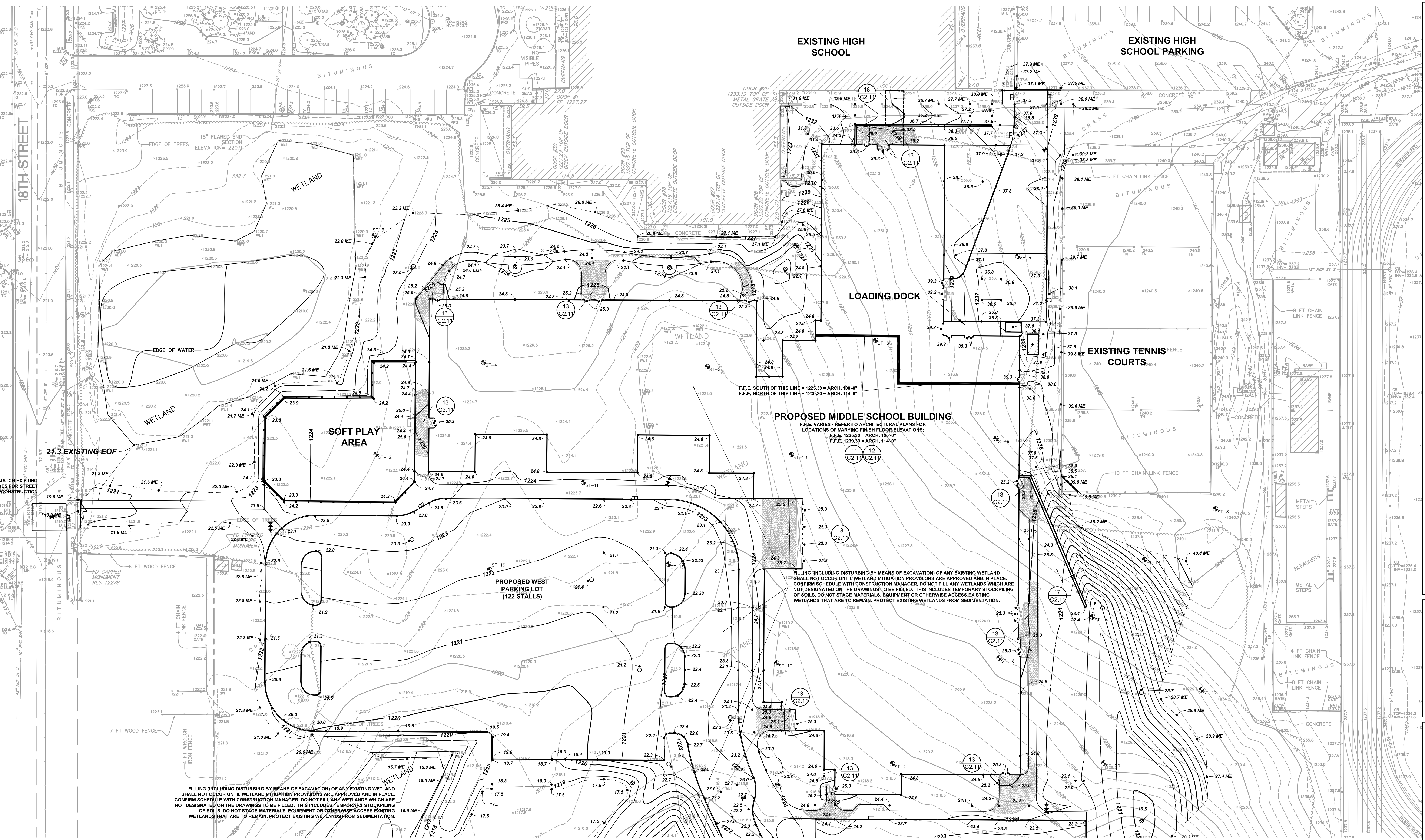
Project Title  
**2017 CLOQUET NEW MIDDLE SCHOOL BID PACKAGE #1**

Commission Number 2078

Sheet Title  
**SITE PLAN SOUTH**

Drawn by MET  
 Checked by DAR  
 Date 01/29/2016  
 Revised  
 Scale: 1" = 30'  
 Sheet Number  
**C1.32**





**GENERAL NOTES**

1. ALL CONSTRUCTION MUST COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING / LAYOUT.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS, INCLUDING THE NPDES PERMIT FROM THE MPCA. SUBMIT A COPY OF ALL PERMITS TO THE CITY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNAGE (CONSTRUCTION ZONES) NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL SIGNAGE LAYOUTS MUST BE DESIGNED BY THE CONTRACTOR AND APPROVED BY LOCAL AUTHORITIES.
5. INSTALL CONTROL FENCING AND BARRICADING AS NECESSARY TO PROTECT THE PUBLIC.
6. INSPECT SITE AND REVIEW SOIL BORINGS TO DETERMINE EXTENT OF WORK AND NATURE OF MATERIALS TO BE HANDLED.
7. REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
8. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
9. REFER TO ARCHITECTURAL PLANS FOR BUILDING AND STOOP DIMENSIONS AND LAYOUT.
10. REFER TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE, PART OF SECTION 01 89 13, FOR EROSION CONTROL REQUIREMENTS. SECTION 31 00 00 SHALL BE RESPONSIBLE FOR FULL IMPLEMENTATION OF THE SWPPP.
11. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
12. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
13. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
14. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING SITE FEATURES (INCLUDING TURF AND VEGETATION) WHICH ARE TO REMAIN.
15. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS OTHERWISE NOTED.
16. PROPOSED ELEVATIONS SHOWN TYPICALLY AS 10.1 OR 10 SHALL BE UNDERSTOOD TO MEAN 1210.1 OR 1210.
17. SPOT ELEVATIONS SHOWN IN PARKING LOTS, DRIVES AND ROADS INDICATE GUTTER GRADES, UNLESS NOTED OTHERWISE. SPOT ELEVATIONS WITH LABELS OUTSIDE THE BUILDING PERIMETER INDICATE PROPOSED GRADES OUTSIDE THE BUILDING. SPOT ELEVATIONS WITH LABELS INSIDE THE BUILDING PERIMETER INDICATE PROPOSED FINISH FLOOR ELEVATIONS.
18. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES OF CUT, FILL AND WASTE MATERIALS TO BE HANDLED, AND FOR AMOUNT OF GRADING TO BE DONE IN ORDER TO COMPLETELY PERFORM ALL WORK INDICATED ON THE DRAWINGS. IMPORT SUITABLE MATERIAL AND EXPORT UNSUITABLE / EXCESS / WASTE MATERIAL AS REQUIRED. ALL COSTS ASSOCIATED WITH IMPORTING AND EXPORTING MATERIALS SHALL BE INCIDENTAL TO THE CONTRACT.
19. NO FINISHED SLOPES SHALL EXCEED 4" HORIZONTAL TO 1" VERTICAL (4:1), UNLESS OTHERWISE NOTED.
20. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SEEDED OR SODED. REFER TO LANDSCAPING PLAN FOR SEED / SOD LIMITS.
21. WHERE NEW SOD MEETS EXISTING SOD, EXISTING SOD EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
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23. ALL WATERMAIN PIPE SHALL BE DIP, CLASS 52. ALL WATERMAIN SHALL HAVE MINIMUM 8'-0" BURY (TOP OF PIPE TO FINISH GRADE).
24. ALL SANITARY SEWER PIPE SHALL BE PVC PIPE (ASTM D 3034, SDR 35), UNLESS OTHERWISE NOTED. SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321.
25. ALL STORM SEWER PIPE SHALL BE RCP, CLASS III (MIN.), WITH FLEXIBLE WATER TIGHT JOINTS IN ACCORDANCE WITH ASTM C-361 OR PVC PIPE (ASTM D3034, SDR 35) INSTALLED IN ACCORDANCE WITH ASTM D2321, UNLESS OTHERWISE NOTED.
26. FLEXIBLE JOINTS AT STORM SEWER PIPE CONNECTIONS TO STRUCTURES:
  - a. IN ACCORDANCE WITH MINNESOTA RULES 4715.0760 AND 4715.0750, PROVIDE FLEXIBLE JOINTS AT ALL PIPE CONNECTIONS TO ALL STORM SEWER STRUCTURES.
  - b. ACCEPTABLE MANUFACTURERS / PRODUCTS:
    - i. FERROCO, "CONCRETE MANHOLE ADAPTORS" OR "LARGE-DIAMETER WATERSTOPS"
    - ii. PRESS-SEAL, WATERSTOP GROUTING RINGS"
    - iii. OR APPROVED EQUAL.

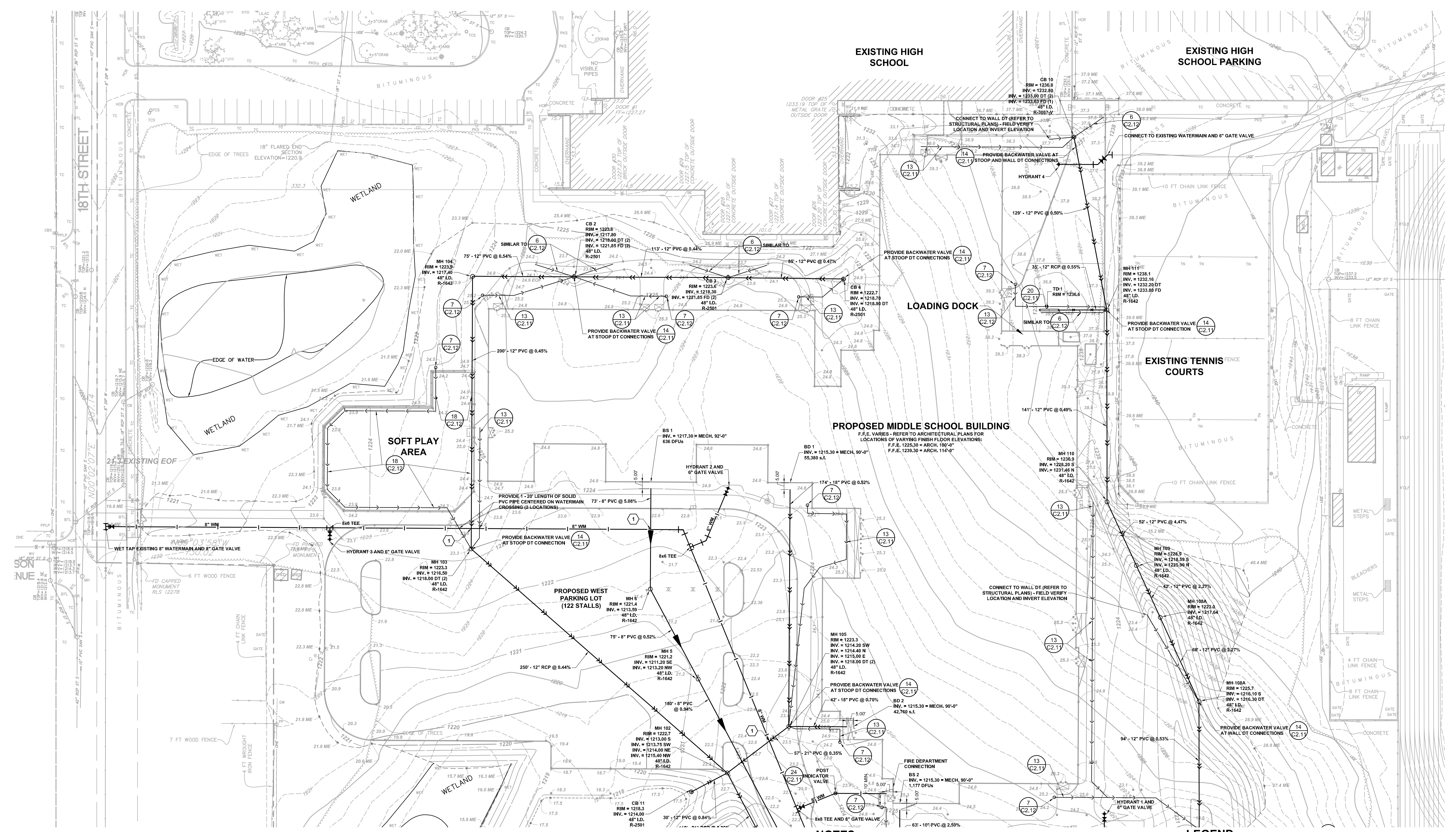
**LEGEND**

- REFERENCE KEY TO SITE DETAILS  
 DETAIL I.D NUMBER (TOP)  
 DETAIL SHEET NUMBER (BOTTOM)
- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION  
 ME = MATCH EXISTING  
 EOP = EMERGENCY OVERFLOW
- PROPOSED GRADING LIMITS
- PROPOSED SAND SUBBASE AT FROST FOOTED STOOPS
- APPROXIMATE SOIL BORING
- PROPOSED MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROPOSED FLARED END SECTION (FES)
- PROPOSED TRENCH DRAIN (TD)
- PROPOSED HYDRANT (HYD)
- PROPOSED GATE VALVE (GV)
- PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
- PROPERTY LINE

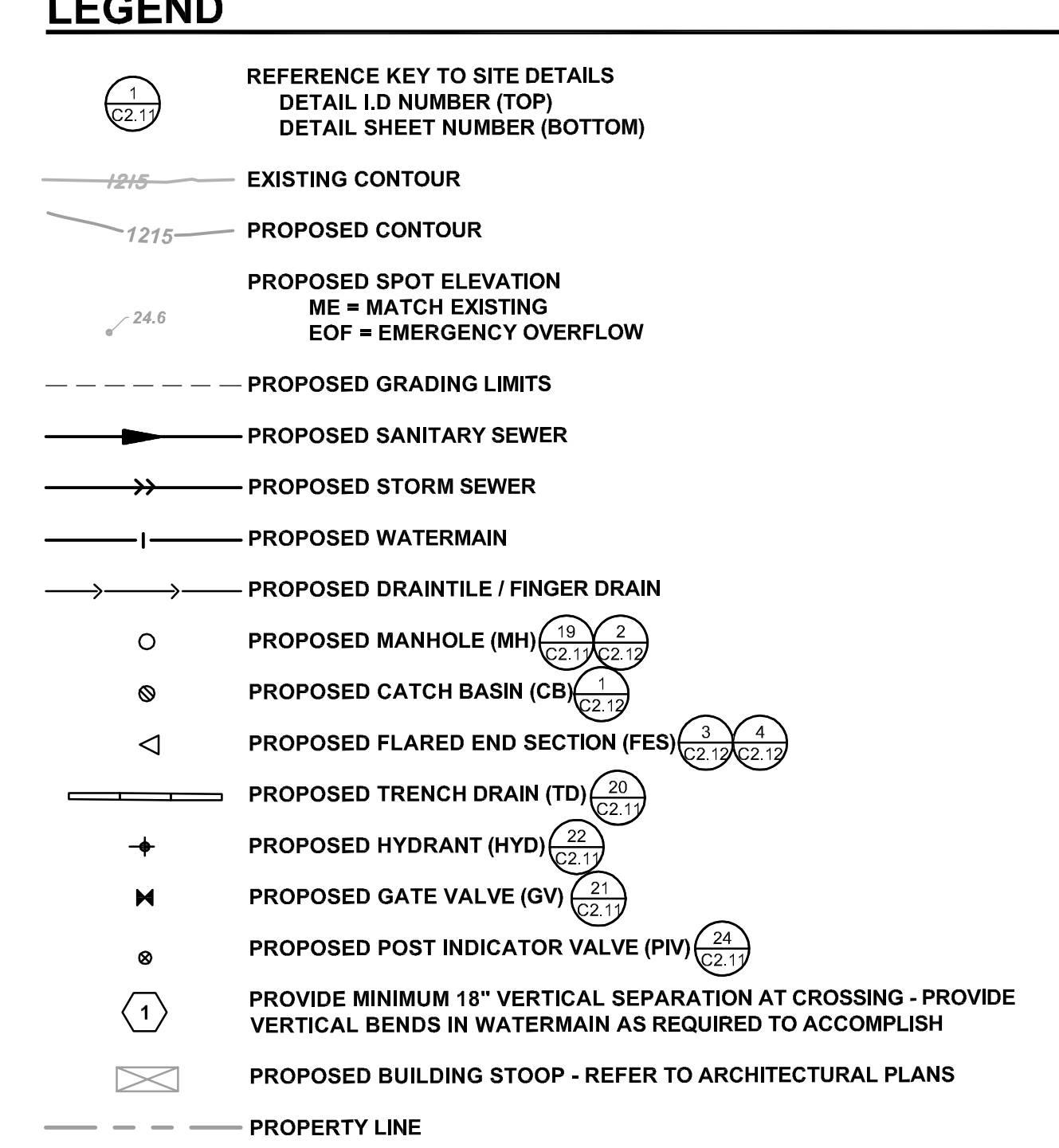
**BENCHMARKS** (FIELD VERIFY BEFORE USING)

1. Top of top nut of fire hydrant near the northwest corner of the tennis courts.  
 Elevation = 1241.06 feet
2. Top of top nut of fire hydrant approximately 50 feet north of the northwest corner of the school building.  
 Elevation = 1235.37 feet
3. Top of top nut of fire hydrant approximately 100 feet north of the northeast corner of the school building.  
 Elevation = 1243.69 feet
4. Top of top nut of fire hydrant on the east side of 18th street north of the intersection at Wilson Avenue.  
 Elevation = 1223.79 feet
5. Top of top nut of fire hydrant at the northwest quadrant of Washington Avenue and 22nd Street.  
 Elevation 1203.75

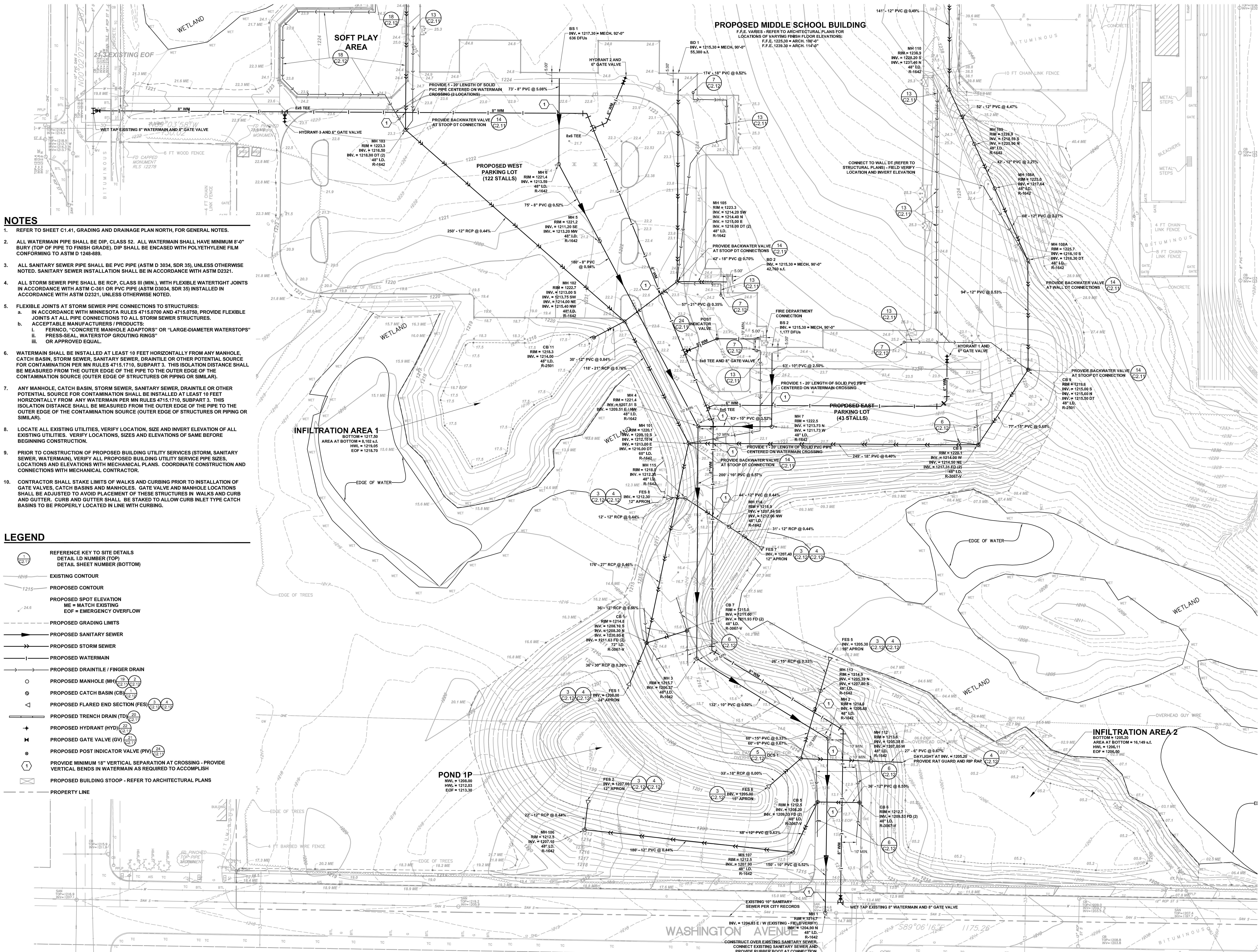




- ### NOTES
- REFER TO SHEET C1-41, GRADING AND DRAINAGE PLAN NORTH, FOR GENERAL NOTES.
  - ALL WATERMAIN PIPE SHALL BE DIP, CLASS 52. ALL WATERMAIN SHALL HAVE MINIMUM 6'-0" BURY (TOP OF PIPE TO FINISH GRADE). DIP SHALL BE ENCASED WITH POLYETHYLENE FILM CONFORMING TO ASTM D 1248-889.
  - ALL SANITARY SEWER PIPE SHALL BE PVC PIPE (ASTM D 3034, SDR 35), UNLESS OTHERWISE NOTED. SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321.
  - ALL STORM SEWER PIPE SHALL BE RCP, CLASS III (MIN), WITH FLEXIBLE WATERTIGHT JOINTS IN ACCORDANCE WITH ASTM C-361 OR PVC PIPE (ASTM D3034, SDR 35) INSTALLED IN ACCORDANCE WITH ASTM D2321, UNLESS OTHERWISE NOTED.
  - FLEXIBLE JOINTS AT STORM SEWER PIPE CONNECTIONS TO STRUCTURES:
    - IN ACCORDANCE WITH MINNESOTA RULES 4715.0700 AND 4715.0750, PROVIDE FLEXIBLE JOINTS AT ALL PIPE CONNECTIONS TO ALL STORM SEWER STRUCTURES.
    - ACCEPTABLE MANUFACTURERS / PRODUCTS:
      - FERNOCO, "CONCRETE MANHOLE ADAPTORS" OR "LARGE-DIAMETER WATERSTOPS"
      - PRESS-SEAL, WATERSTOP GROUTING RINGS"
      - OR APPROVED EQUAL.
  - WATERMAIN SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINILE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION PER MN RULES 4715.1710, SUBPART 3. THIS ISOLATION DISTANCE SHALL BE MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR PIPING OR SIMILAR).
  - ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINILE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY WATERMAIN PER MN RULES 4715.1710, SUBPART 3. THIS ISOLATION DISTANCE SHALL BE MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR PIPING OR SIMILAR).
  - LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.
  - PRIOR TO CONSTRUCTION OF PROPOSED BUILDING UTILITY SERVICES (STORM, SANITARY SEWER, WATERMAIN), VERIFY ALL PROPOSED BUILDING UTILITY SERVICE PIPE SIZES, LOCATIONS AND ELEVATIONS WITH MECHANICAL PLANS. COORDINATE CONSTRUCTION AND CONNECTIONS WITH MECHANICAL CONTRACTOR.
  - CONTRACTOR SHALL STAKE LIMITS OF WALKS AND CURBING PRIOR TO INSTALLATION OF GATE VALVES, CATCH BASINS AND MANHOLES. GATE VALVE AND MANHOLE LOCATIONS SHALL BE ADJUSTED TO AVOID PLACEMENT OF THESE STRUCTURES IN WALKS AND CURB AND GUTTER. CURB AND GUTTER SHALL BE STAKED TO ALLOW CURB INLET TYPE CATCH BASINS TO BE PROPERLY LOCATED IN LINE WITH CURBING.







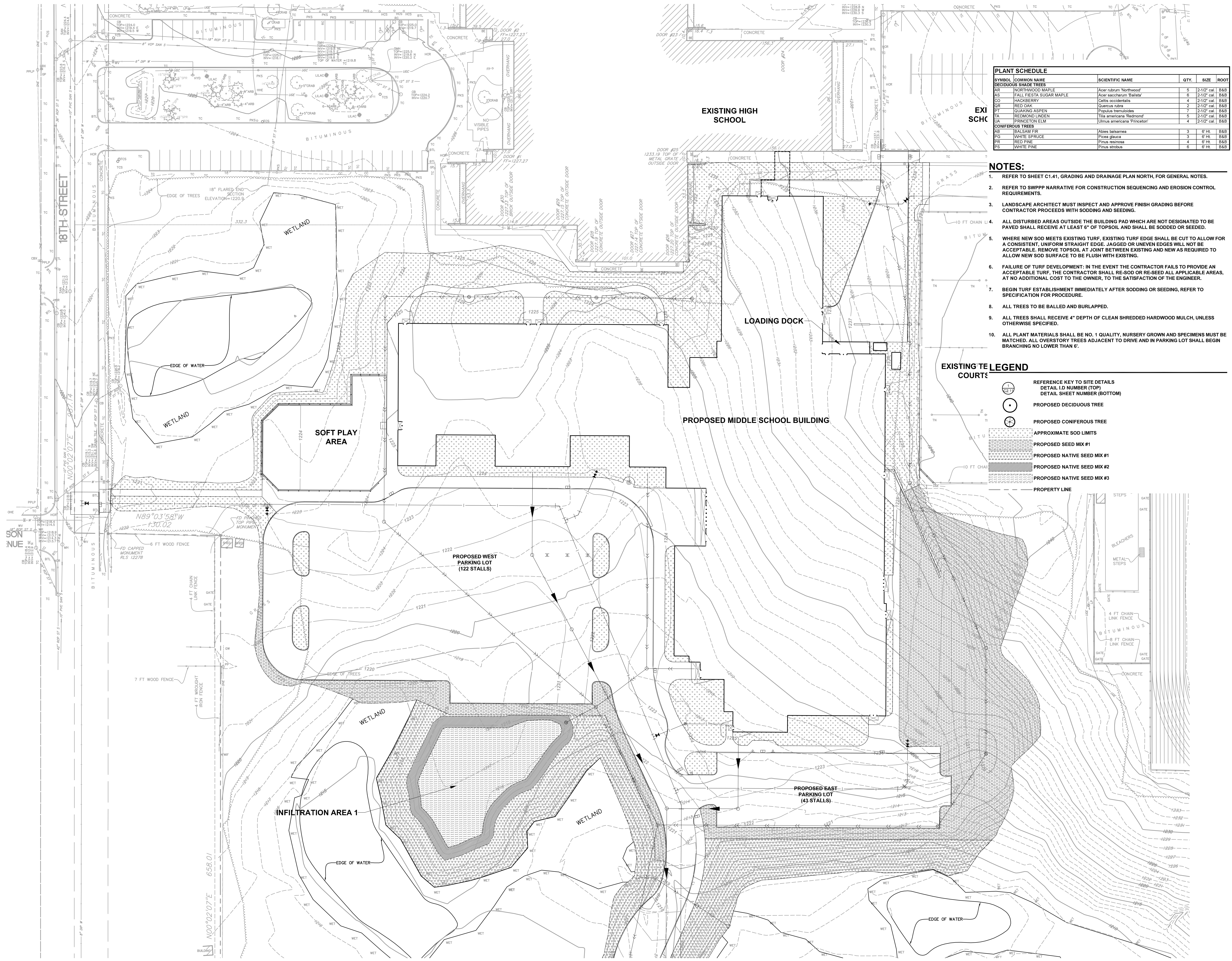
**NOTES**

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- PROPOSED GRADING LIMITS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATERMAIN
- PROPOSED DRAIN TILE / FINGER DRAIN
- PROPOSED MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROPOSED FLARED END SECTION (FES)
- PROPOSED TRENCH DRAIN (TD)
- PROPOSED HYDRANT (HYD)
- PROPOSED GATE VALVE (GV)
- PROPOSED POST INDICATOR VALVE (PIV)
- 
- PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
- PROPERTY LINE





SYMBOL	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE	ROOT
<b>DECIDUOUS SHADE TREES</b>					
AK	NORTHWOOD MAPLE	Acer rubrum 'Northwood'	5	2-1/2" cal.	B&B
AS	FALL FIESTA SUGAR MAPLE	Acer saccharum 'Balsita'	6	2-1/2" cal.	B&B
CO	HACKBERRY	Celtis occidentalis	4	2-1/2" cal.	B&B
OR	RED OAK	Quercus rubra	2	2-1/2" cal.	B&B
PT	QUAKING ASPEN	Populus tremuloides	7	2-1/2" cal.	B&B
TA	REDMOND LINDEN	Tilia americana 'Redmond'	5	2-1/2" cal.	B&B
LA	PRINCETON ELM	Ulmus americana 'Princeton'	4	2-1/2" cal.	B&B
<b>CONIFEROUS TREES</b>					
AB	BALSAM FIR	Abies balsamea	3	6" ht.	B&B
FG	WHITE SPRUCE	Picea glauca	3	6" ht.	B&B
PR	RED PINE	Pinus resinosa	4	6" ht.	B&B
PS	WHITE PINE	Pinus strobus	6	6" ht.	B&B

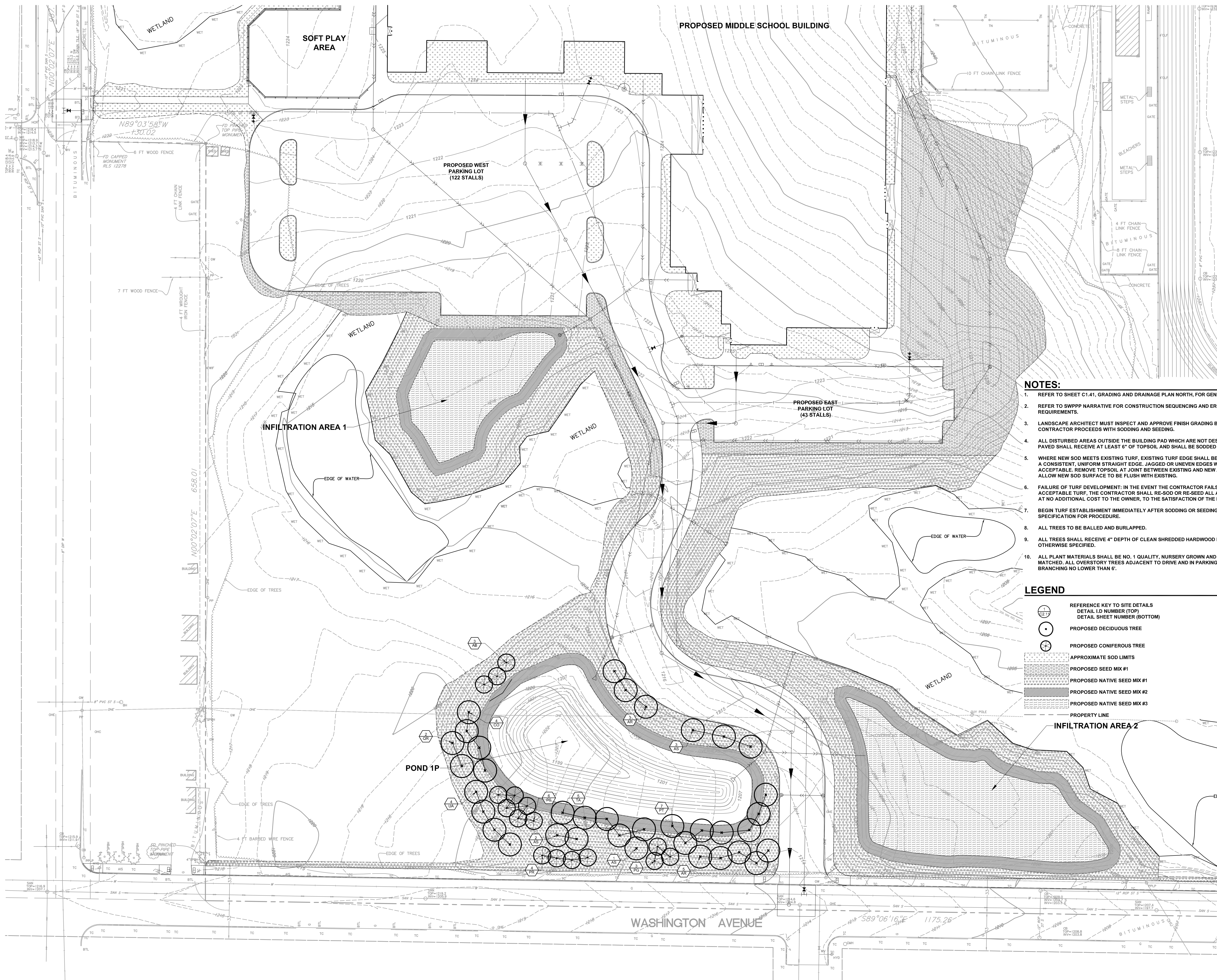
- NOTES:**
- REFER TO SHEET C1.41, GRADING AND DRAINAGE PLAN NORTH, FOR GENERAL NOTES.
  - REFER TO SWPPP NARRATIVE FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
  - LANDSCAPE ARCHITECT MUST INSPECT AND APPROVE FINISH GRADING BEFORE CONTRACTOR PROCEEDS WITH SODDING AND SEEDING.
  - ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SODDED OR SEEDDED.
  - WHERE NEW SOD MEETS EXISTING TURF, EXISTING TURF EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
  - FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD OR RE-SEED ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
  - BEGIN TURF ESTABLISHMENT IMMEDIATELY AFTER SODDING OR SEEDING, REFER TO SPECIFICATION FOR PROCEDURE.
  - ALL TREES TO BE BALLED AND BURLAPPED.
  - ALL TREES SHALL RECEIVE 4" DEPTH OF CLEAN SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED.
  - ALL PLANT MATERIALS SHALL BE NO. 1 QUALITY, NURSERY GROWN AND SPECIMENS MUST BE MATCHED. ALL OVERSTORY TREES ADJACENT TO DRIVE AND IN PARKING LOT SHALL BEGIN BRANCHING NO LOWER THAN 6'.

**EXISTING TE LEGEND**

**COURTS**

- REFERENCE KEY TO SITE DETAILS  
DETAIL ID NUMBER (TOP)  
DETAIL SHEET NUMBER (BOTTOM)
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- APPROXIMATE SOD LIMITS
- PROPOSED SEED MIX #1
- PROPOSED NATIVE SEED MIX #1
- PROPOSED NATIVE SEED MIX #2
- PROPOSED NATIVE SEED MIX #3
- PROPERTY LINE



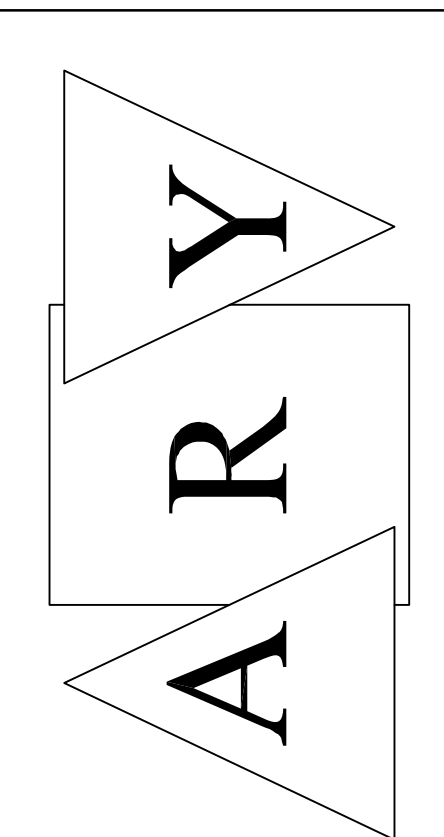


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- ⊙ PROPOSED CONIFEROUS TREE
- ▨ APPROXIMATE SOD LIMITS
- ▩ PROPOSED SEED MIX #1
- ▧ PROPOSED NATIVE SEED MIX #1
- ▦ PROPOSED NATIVE SEED MIX #2
- ▥ PROPOSED NATIVE SEED MIX #3
- PROPERTY LINE



**ARCHITECTS REGO + YOUNGQUIST**  
 7601 Wayzata Boulevard Suite 200 St. Louis Park, Minnesota 55426  
 Phone: 952-544-8941 Fax: 952-544-0585 aryarch.com

**AJA ASSOCIATES, INC.**  
 LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING  
 575 GARDEN VALLEY ROAD SUITE 200  
 MINNEAPOLIS, MN 55427  
 PH: 612.338.4451

Project Title  
**2017 CLOQUET NEW MIDDLE SCHOOL BID PACKAGE #1**  
 Commission Number 2078

Sheet Title  
**LANDSCAPING PLAN SOUTH**

Drawn by MET  
 Checked by JCL  
 Date 01/29/2016  
 Revised  
 Scale: 1" = 30'

Sheet Number  
**L1.12**