Permit No. 2020-18 Received complete: February 26, 2020

Applicant: Eric Hamilton, Edina Public Schools

Consultant: David Rey, Anderson-Johnson Associates Inc.

Project: Valley View Middle School 2020 Renovations

Location: 6750 Valley View Road: Edina

Rule(s): 4, 5

Reviewer(s): BCO/LLH

General Background & Comments

The project proposes site improvements at Valley View Middle School, 6750 Valley View Road in Edina, MN. The project site consists of two schools, Valley View Middle School (VVMS) and Edina High School (EHS). Edina High School, located at 6754 Valley View Road, conducted building additions and improvements at the project site in 2016 (Permit No. 2016-05).

Proposed Valley View Middle School 2020 site improvements include replacement of an existing shed, loading dock improvements including replacement of concrete and asphalt pavement, interior courtyard renovations, and utility improvements. The project site information includes the following:

- Total Site Area: 63.50 acres
- Site Impervious Area Pre 2016 Construction: 25.16 acres
- Existing Site Impervious Area Pre 2020 Construction: 31.73 acres
- 2016 Increase in Site Impervious Area: 6.58 acres
- 2020 Increase in Site Impervious Area: 0 acres
- 26.2% increase in Total Site Impervious Area
- Total Disturbed and Reconstructed Impervious Area: 10.13 acres (10.00 acres of disturbed impervious resulting from the 2016 EHS Renovation project and 0.134 acres of disturbed area resulting from the 2020 VVMS Renovation project)
- 40.3% of the Existing Site Impervious Area (2016 and 2020 construction) will be disturbed and reconstructed

- Total Disturbed Area: 24.31 acres (24.05 acres of disturbed area from the 2016 EHS Renovation project and 0.25 acres of disturbed area from the 2020 VVMS Renovation project)
- 2020 Renovations Total Disturbed Area: 0.25 acres

As previously stated, Edina High School conducted building additions and improvements at the project site in 2016 (Permit No. 2016-05). The 2016 project included construction of a 97,966 square foot building addition, expansion of the parking lot from 866 stalls to 931 stalls and reconstruction and construction of two artificial turf fields at the project site. Stormwater management was proposed and constructed as part of the 2016 Edina High School Renovations project and includes an underground infiltration system at the east side of the site beneath the athletic fields. The underground system provides rate control, volume retention and water quality management for the project site, including 24.3 acres of disturbed area (24.053 acres in 2016 and 0.254 acres in 2020).

The Nine Mile Creek Watershed District's Rule for Redevelopment, Rule 4.2.3, states, if a proposed activity will disturb more than 50% of the existing impervious surface on a site or will increase the imperviousness of the entire site by more than 50%, stormwater management criteria of Rule 4.3 will apply to the entire project parcel. Otherwise, the stormwater requirements will apply only to the disturbed, replaced and net additional impervious surface on the project site. Stormwater management is therefore required for the total disturbed area of 24.31 acres that includes the 10.13 acres of disturbed and replaced impervious area (10.0 acres in 2016 and 0.13 acres in 2020). No net additional impervious area is proposed for the 2020 VVMS Renovation project.

The District's requirements for both stormwater management and erosion and sediment control apply to the project because more than 5,000 square feet or more surface area will be disturbed, per Rules 4.2.1b and 5.2.1b, respectively.

The project does not propose to fill or impact the 100-year floodplain of the creek, 853 M.S.L. - Atlas 14 management elevation.

A wetland boundary determination and MnRAM Assessment for the wetland areas on the School property were completed for the Three Rivers Regional Trail project. This information was provided to the School District by Three Rivers Park District. The District approved of the boundary determination, July 2014, and accepted the MnRAM Assessment in August 2014. The onsite wetlands were determined to be high value wetlands requiring a minimum buffer of 30 feet and an average buffer of 60 feet, Rule 3.4.1a. In conjunction with the 2016 EHS Renovations project, the District approved the wetland boundary determination and accepted the high value wetland determination for the wetland on the School District property. Wetland buffer requirements were approved and met as part of the 2016 EHS Renovation project, and the wetland buffer was constructed thereafter. No wetland fill or impacts within the onsite wetlands are proposed for the VVMS 2020 Renovation project.

Sediment control logs and inlet protection are shown to be installed for erosion control, and sod is utilized for permanent stabilization within the interior courtyard site improvement area. The proposed site improvements at the shed area will not require permanent stabilization, as the entire portion of the site is impervious surface (existing and proposed).

Braun Intertec conducted a geotechnical evaluation and performed standard penetration test (SPT) borings onsite throughout February, July, August and November 2015. The soil borings indicate that groundwater was encountered at a depth of 15 feet in boring ST 51-15, elevation 847.4 M.S.L. This boring (of the approximate 20 borings taken in the area) appears to have the highest elevation that groundwater was encountered.

Exhibits

- 1. Signed Permit Application dated February 26, 2020.
- 2. Plan sheets dated January 9, 2020 prepared by Anderson-Johnson Associates, Inc.
- 3. Stormwater Management Report dated February 26, 2020 prepared by Anderson-Johnson Associates, Inc. (including HydroCAD modeling reports dated December 22, 2015 and P8 water quality modeling dated February 1, 2016)
- 4. Soil borings dated throughout February, July, August and November 2015 provided by Braun Intertec.
- 5. Phase 1 Environmental Site Assessment dated June 30, 2015 prepared by Braun Intertec.

4.0 Stormwater Management

The underground stormwater system constructed in 2016 (following issuance of Permit 2016-05) includes 20 rows of 60-inch perforated CMP, each row being 442 feet in length. The underground infiltration system was installed beneath the two artificial turf athletic fields on the east side of the site. Stormwater modeling was provided from the 2016 EHS Renovation project, as the underground infiltration system was designed to meet stormwater management criteria for both the 2016 and 2020 renovation projects. The system will provide the rate control, volume retention and water quality management required to meet District Rule 4.3.1.

The existing and proposed 2, 10 and 100 year frequency discharges from the site are:

	Existing Discharge	Proposed Discharge
Frequency	c.f.s.	c.f.s.
2 year	95.2	51.2
10 year	163.3	91.7
100 year	320.0	176.3

Proposed discharge rates are based off the total proposed new site impervious of 31.7 acres (including 6.5 acres of net additional new impervious area from the 2016 EHS Renovations project). Rule 4.3.1b is met.

The 2016 EHS Renovation project resulted in 16.576 acres of new and disturbed impervious area (including 9.999 acres of disturbed existing impervious and 6.577 acres of added impervious area). Volume retention of 1.38 acre-feet (60,171 cubic feet) is required from 1-inch of runoff from the 16.576 acres of new and disturbed impervious area from the 2016 EHS project, based on criteria outlined in the Nine Mile Creek Watershed District Rules in 2016.

Volume retention of 0.01 acre-feet (535 cubic feet) is required from the 1.1-inches of runoff from the 0.134 acres of disturbed existing impervious area from the proposed 2020 project, based on Rule 4.3.1. Therefore, 60,706 cubic feet of volume retention is required from the net new and disturbed existing impervious areas from the 2016 and 2020 projects.

In accordance with Rule 4.3.1a (i), where infiltration facilities, practices or systems are proposed, pretreatment of runoff must be provided. To comply with Rule 4.3.1a (i), 450 lineal feet of 84-inch CMP was constructed as a "clean-out" chamber (sump) for runoff prior to discharging to the infiltration area. This system was constructed as part of the 2016 EHS Renovation project.

Soil borings were taken at the underground infiltration area on November 15, 2015 and indicate the underlying soils vary from silty sand (SM) to sandy lean clay (CL). Approximately 70% of the underground system is within the sandy soils and 30% within the clay soils. An infiltration rate of 0.45 inches/hour is used for the SM soil type material and 0.06 inches/hour for the CL soil type using design criteria outlined in the Minnesota Storm Water Manual. The constructed underground infiltration system provides an available volume of 94,808 cubic feet (60,706 cubic feet required) to be drawn down within 48 hours over an area of 71,177 square feet for volume retention (the HydroCAD provided shows the footprint of the infiltration area has been reduced from 79,118 square feet, 2016 submittal, to 71,177 square feet, 2020 submittal). Rule 4.3.1a (ii) is met.

The District's water quality criterion requires a 60% annual removal efficiency for phosphorus and 90% annual removal efficiency for total suspended solids. A P8 model has been submitted showing that a 97.4% annual removal for total suspended solids and 90.3% annual removal efficiency of total phosphorus will be provided for water quality treatment. We are in agreement with the P8 model and concur the underground infiltration system meets District criteria for both the 2016 and 2020 renovation projects. Water quality requirements identified in Rule 4.3.1c are met.

Rule 4.3.3.a states that all new and reconstructed buildings must be constructed such that the low floor is at least two feet above the 100-year high water elevation or one foot above the natural overflow of a waterbody. The finished floor elevation of the proposed shed is 925.5 M.S.L. The 100-year frequency flood elevation of the creek on school property is 853 M.S.L., providing a separation of 72.5 feet. Rule 4.3.3a requiring 2 feet of separation between the lowest floor elevation of a structure and the 100-year flood elevation is met. No new stormwater management facilities will be constructed; therefore, no adjacent habitable building will be brought into noncompliance with standards in Rule 4.3.3.

In accordance with Rule 4.3.4, a post-project chloride management plan must be provided that will, 1) designate an individual authorized to implement the chloride-use plan and 2) designate a MPCA certified salt applicator engaged in the implementation of the chloride-use plan for the site.

The soil borings dated November 15, 2015 indicate that groundwater was encountered at a depth of 15 feet in boring ST 51-15, elevation 847.4 M.S.L. This boring (of the approximate 20 borings taken in the area) appears to have the highest elevation that groundwater was encountered. No District rule requires a specific distance separation between the low floor

elevation of a structure and groundwater; however, the applicant is advised that seasonal fluctuations of the groundwater elevation can occur.

5.0 Erosion and Sediment Control

Erosion and sediment control plans for the courtyard site area renovation and shed site area improvements were submitted. Sediment control logs and inlet protection are shown to be installed for erosion control, and sod is utilized for permanent stabilization within the interior courtyard site improvement area. The proposed site improvements at the shed site area will not require permanent stabilization, as the entire area at this portion of the site is impervious surface (existing and proposed).

The project contact is David Rey, Anderson-Johnson.

11.0 Fees

Because the property owner is a public entity, no fees are charged.

Rules 4.0 and 5.0 \$0

12.0 Financial Assurances

Because the property owner is a public entity, the District's financial assurance requirements do not apply.

Sureties for the project are:

\$0

Findings

The proposed project includes the information necessary, plan sheets and erosion control plan for review. Rules 4 and 5 are met.

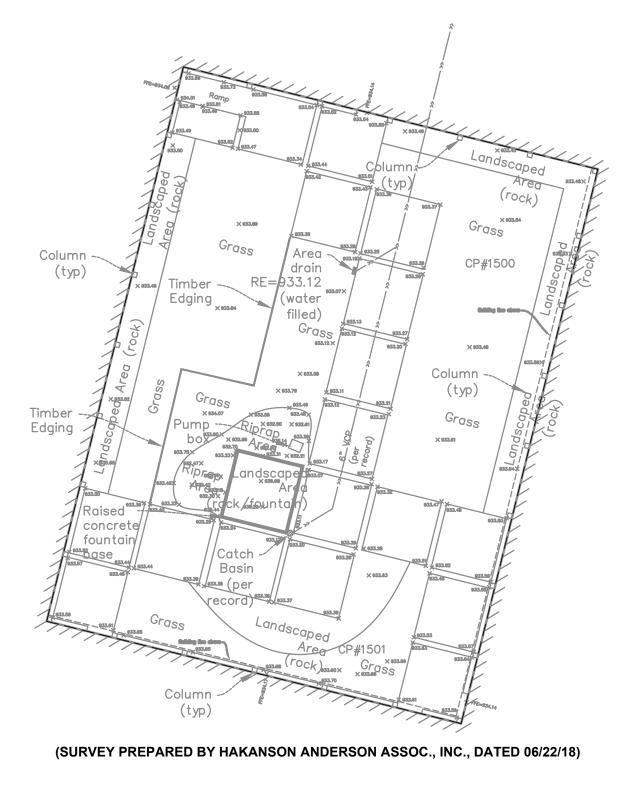
Recommendation

Approval, contingent upon:

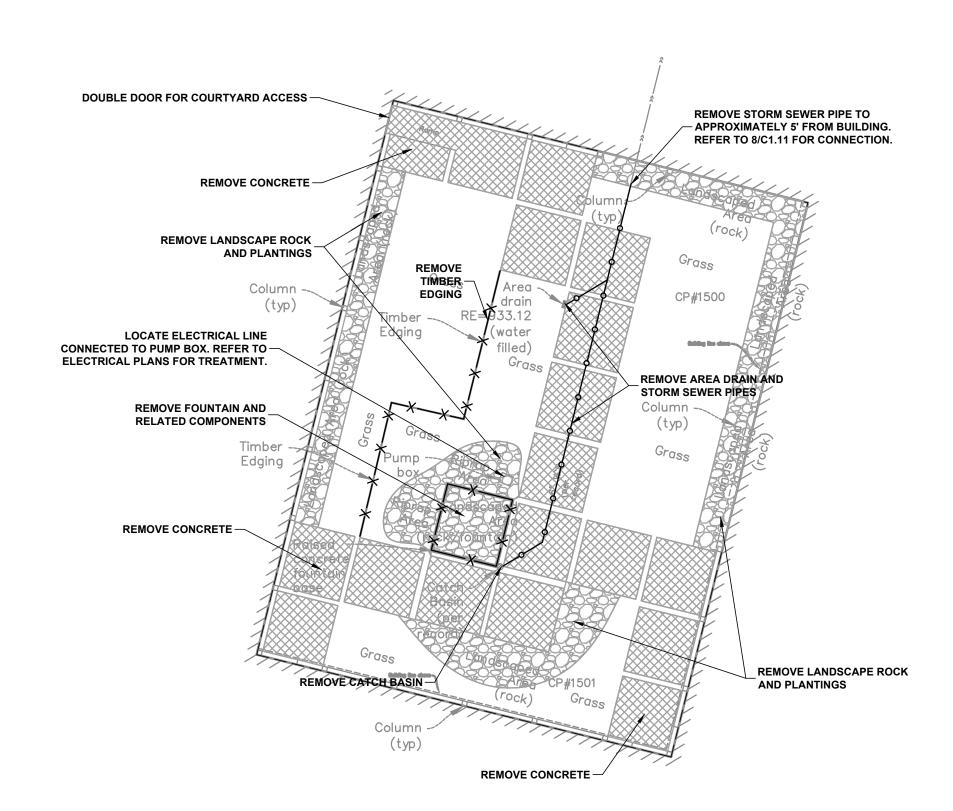
1. General Conditions

By accepting the permit, when issued, the applicant agrees to the following stipulations:

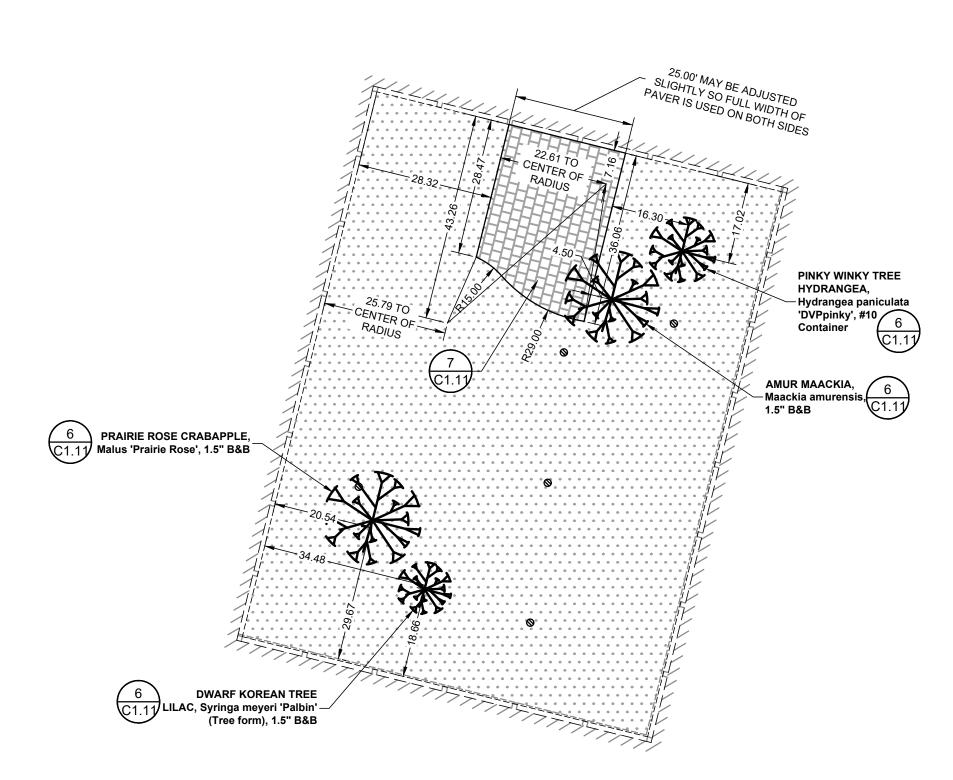
- Per Rule 4.5.8, an as-built drawing of the project conforming to the design specifications as approved by the District must be submitted. (Also required as a condition of Permit #2016-05).
- 2. Submission of a plan for post-project management of Chloride use on the site. The plan must include 1) the designation of an individual authorized to implement the chloride use plan and 2) the designation of a Minnesota Pollution Control Agency certified salt applicator engaged in the implementation of the chloride-use plan for the site. It is required that the chloride-management plan has been provided and approved by the District's Administrator.



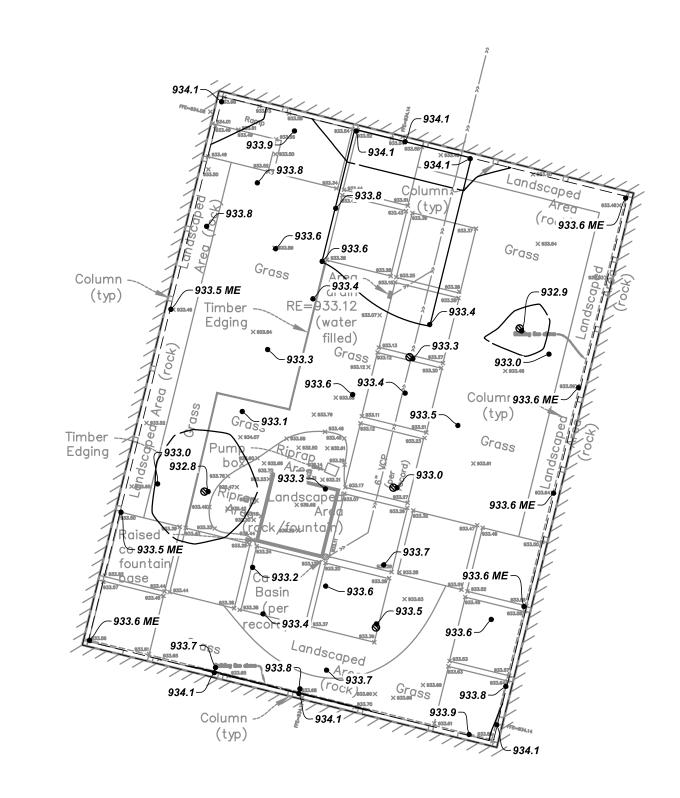
EXISTING CONDITIONS



REMOVALS PLAN

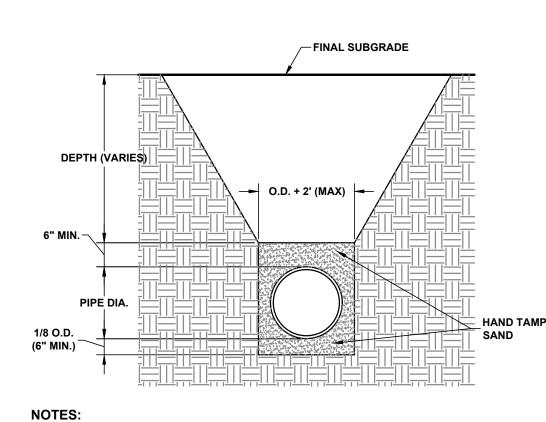






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GRADING PLAN

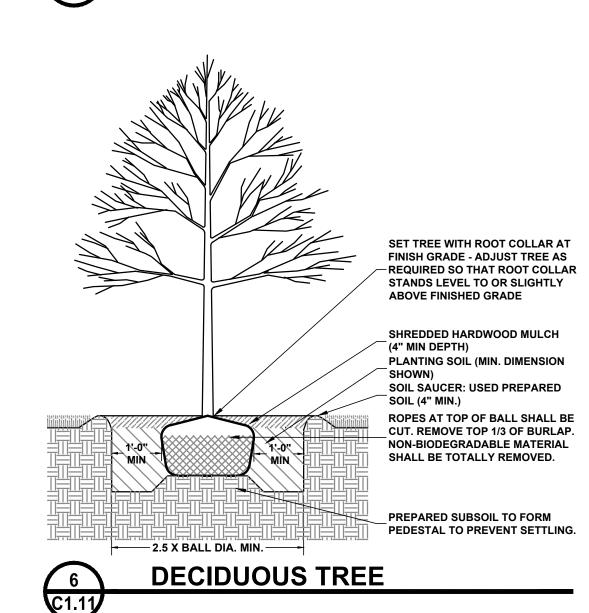


TRENCH SIDEWALLS TO MEET O.S.H.A REQUIREMENTS.

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UPPER 3 FT. OF BACKFILL SHALL BE COMPACTED TO AT LEAST 100% STANDARD PROCTOR DRY DENSITY. BELOW THIS ELEVATION, BACKFILL SHALL BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DRY DENSITY.

INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321. PIPE BEDDING - PVC

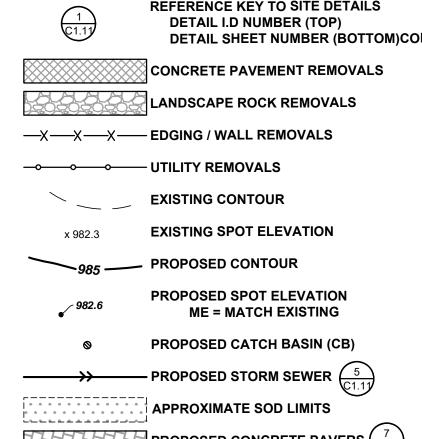


-EDGE RESTRAINT 2-3/8" MIN THICKNESS **∕**1" BEDDING SAND -6" COMAPCTED AGGREGATE BASE

7 INTERLOCKING CONCRETE PAVER
C1.11 PATIO W/ EDGE RESTRAINT

COMPACTED SUBGRADE

LEGEND



- 1.) TOP NUT HYDRANT NORTH SIDE OF VALLEY VIEW RD. BETWEEN MAIN ENTRANCE AND WEST ENTRANCE TO MIDDLE SCHOOL
- 2.) TOP NUT HYDRANT ON SOUTHWESTERLY CORNER OF THE MIDDLE SCHOOL Elevation = 952.18 FEET
- Elevation = 926.50 FEET

(1) (C1.11)	REFERENCE KEY TO SITE DETAILS DETAIL I.D NUMBER (TOP) DETAIL SHEET NUMBER (BOTTOM)CONCRETE PAVEMENT REMOVALS
	CONCRETE PAVEMENT REMOVALS
	LANDSCAPE ROCK REMOVALS
—X——X——X—	— EDGING / WALL REMOVALS
→	— UTILITY REMOVALS
\	EXISTING CONTOUR

PROPOSED CONCRETE PAVERS (111

BENCHMARKS (FIELD VERIFY BEFORE USING)

- Elevation = 950.38 FEET
- 3.) TOP NUT HYDRANT NORTH SIDE OF VALLEY VIEW MIDDLE SCHOOL Elevation = 928.99 FEET
- 4.) TOP NUT HYDRANT NORTHWESTERLY CORNER OF EDINA HIGH SCHOOL
- 5.) TOP NUT HYDRANT NORTHERLY SIDE OF EDINA HIGH SCHOOL NEAR DOOR #9; AT NORTH END OF EAST PARKING LOT Elevation = 906.79 FEET

PROVIDE WYE CONNECTION ______ 933.6 Column -933.5 ME – / RIM = 933.3INV. = 929.89 — RIM = 932.9 12" PVC STRUCTURE 933.3 H-10 GRATE **--** INV. = 929.96 12" PVC STRUCTURE H-10 GRATE RIM = 932.8 INV. = 930.60 = 12" PVC STRUCTURE 12" PVC STRUCTURE H-10 GRATE --- 29' - 6" PVC @ 1.00% / 93**M**H 103 RIM = 933.5 933.6 INV. = 930.50 — 12" PVC 9TRUCTURE H-10 ℃RATE PROVIDE INLET PROTECTION AT ALL

CONNECT TO EXISTING PIPE (FIELD VERIFY - INVERT ELEVATION -

EXISTING (UNTIL

STRUCTURE IS REMOVED)

AND PROPOSED CATCH

ESTIMATED INVERT



NOTES:

PRIOR TO CONSTRUCTION OF ANY PART OF THE STORM

LOCATION, INVERT ELEVATION AND PIPE SIZE OF EXISTING PIPE. REPORT FINDINGS TO ENGINEER.

SEWER SYSTEM, EXCAVATE, LOCATE, AND FIELD VERIFY

- 1. REFER TO C1.12, SHED PLANS, FOR GENERAL NOTES.
- THE CONTRACTOR SHALL HIRE THE SERVICES OF A UTILITY LOCATOR COMPANY TO LOCATE ALL PRIVATELY OWNED UTILITIES THAT MAY BE DISTURBED BY CONSTRUCTION OPERATIONS
- 3. ALL STORM SEWER PIPE SHALL BE PVC PIPE (ASTM D3034, SDR 35) INSTALLED IN
- ACCORDANCE WITH ASTM D2321, UNLESS OTHERWISE NOTED. LANDSCAPE ARCHITECT MUST INSPECT AND APPROVE FINISH GRADING BEFORE
- CONTRACTOR PROCEEDS WITH SODDING. 5. 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. 6. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN
- ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
- 7. BEGIN TURF ESTABLISHMENT IMMEDIATELY AFTER SODDING, REFER TO SPECIFICATION FOR
- 8. ALL TREES TO BE BALLED AND BURLAPPED UNLESS OTHERWISE NOTED.
- 9. ALL TREES AND SHRUBS SHALL RECEIVE 4" DEPTH OF CLEAN SHREDDED HARDWOOD MULCH.
- 10. ALL PLANT MATERIALS SHALL BE NO. 1 QUALITY, NURSERY GROWN AND SPECIMENS MUST BE
- 11. ALL CONSTRUCTION MUST COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
- 12. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
- 13. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND OTHER LOCAL REGULATIONS.
- 14. IF EROSION AND SEDIMENT CONTROL MEASURES TAKEN ARE NOT ADEQUATE AND RESULT IN DOWNSTREAM SEDIMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT DOWNSTREAM STORM SEWERS AS NECESSARY, INCLUDING ASSOCIATED RESTORATION.
- 15. INLET PROTECTION DEVICE AT STORM SEWER INLETS. AT THE INLETS TO ALL STORM SEWER STRUCTURES, PROVIDE A PRODUCT FROM THE FOLLOWING LIST. APPROVED PRODUCTS:
- a. ROAD DRAIN "TOP SLAB", MANUFACTURED BY WIMCO
- b. INFRASAFE "SEDIMENT CONTROL BARRIER", MANUFACTURED BY ROYAL **ENVIRONMENTAL SYSTEMS, INC.**
- c. INFRASAFE "DEBRIS COLLECTION DEVICE", MANUFACTURED BY ROYAL **ENVIRONMENTAL SYSTEMS, INC.**
- d. INFRASAFE "CULVERT INLET PROTECTOR", MANUFACTURED BY ROYAL ENVIRONMENTAL
- e. DANDY SACK, MANUFACTURED BY DANDY PRODUCTS, INC.
- DANDY CURB SACK, MANUFACTURED BY DANDY PRODUCTS, INC. g. OR APPROVED EQUAL.
- 17. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS
- 18. 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.
- 19. 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.
- 20. LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE **BEGINNING CONSTRUCTION.**
- 21. PRIOR TO CONSTRUCTION OF PROPOSED BUILDING UTILITY SERVICES (STORM), VERIFY ALL PROPOSED BUILDING UTILITY SERVICE PIPE SIZES, LOCATIONS.

VALLEY VIEW MIDDLE SCHOOL **2020 RENOVATIONS** 6750 VALLEY VIEW ROAD EDINA, MN 55424

EDINA PUBLIC SCHOOLS: IDS # 273 5701 NORMANDALE ROAD EDINA, MN 55424

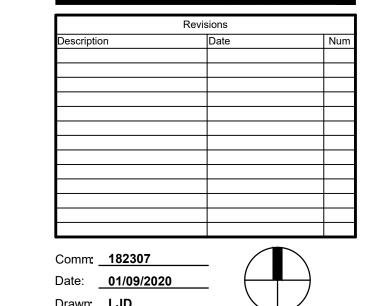


WOLD ARCHITECTS AND ENGINEERS 332 Minnesota Street, Suite W2000 Saint Paul, MN 55101

woldae.com | 651.227.7773

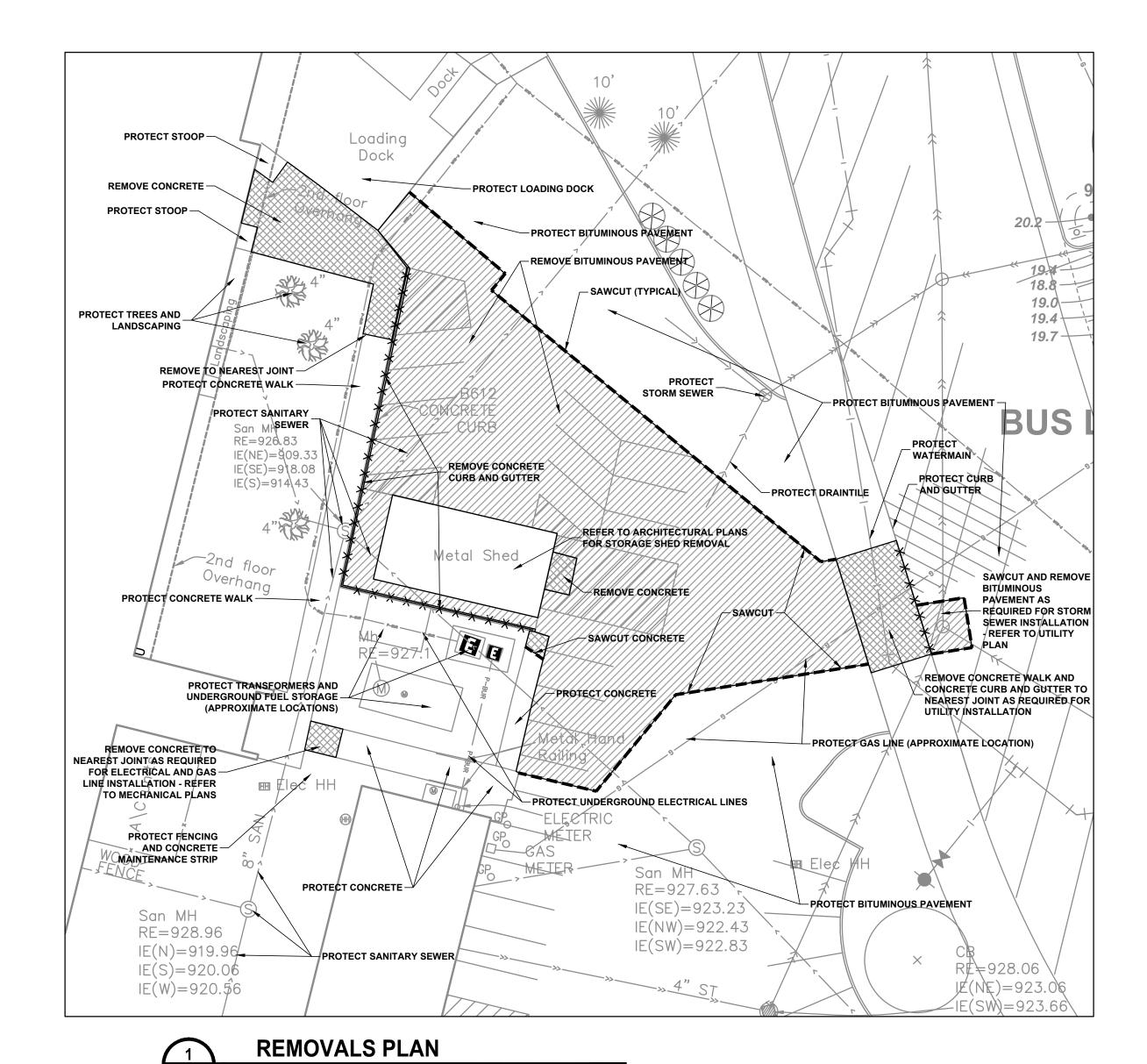


I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA DAVID A. REY Registration Number **40180** Date **01/09/20**



COURTYARD **PLANS AND**

DETAILS



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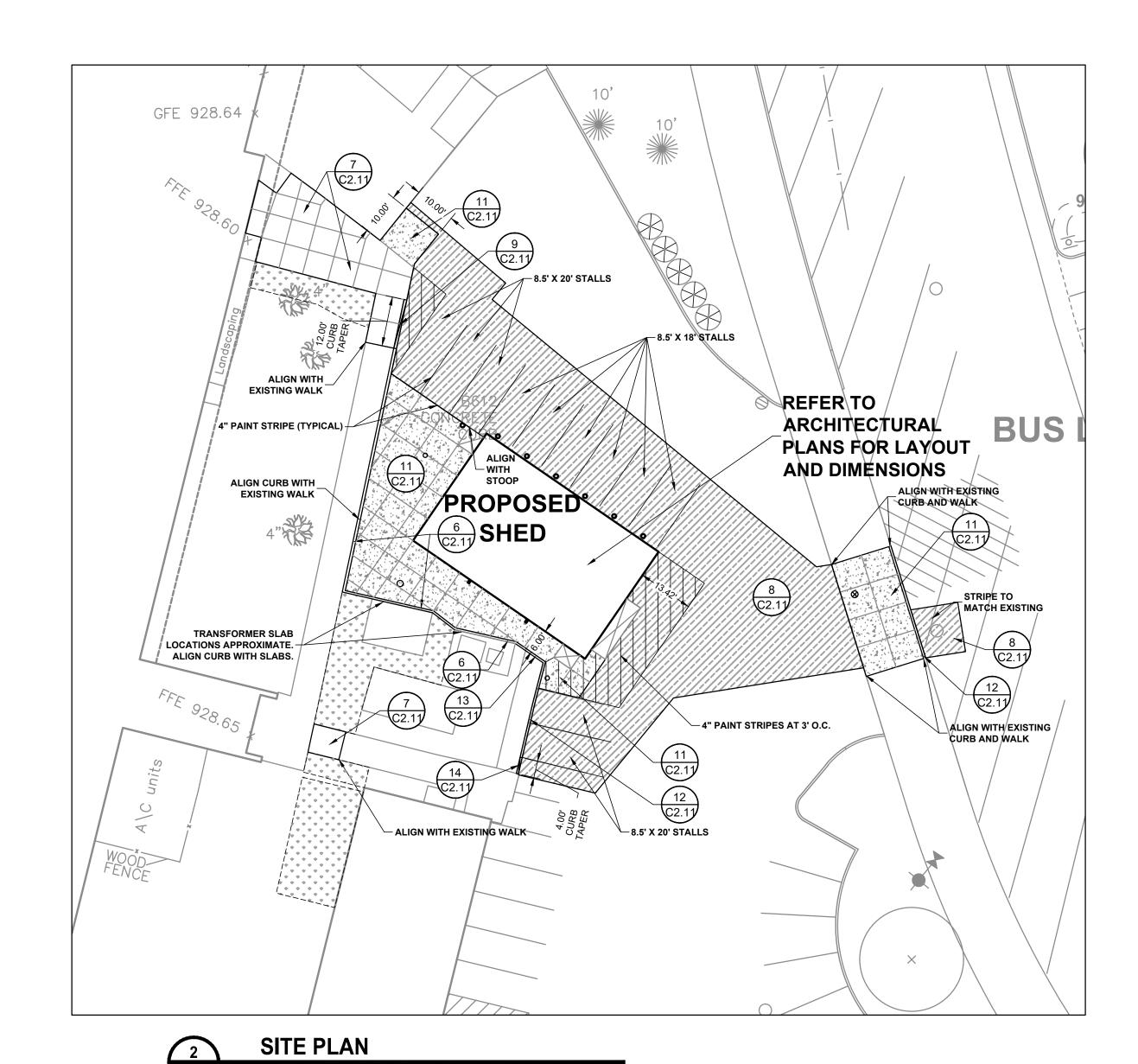
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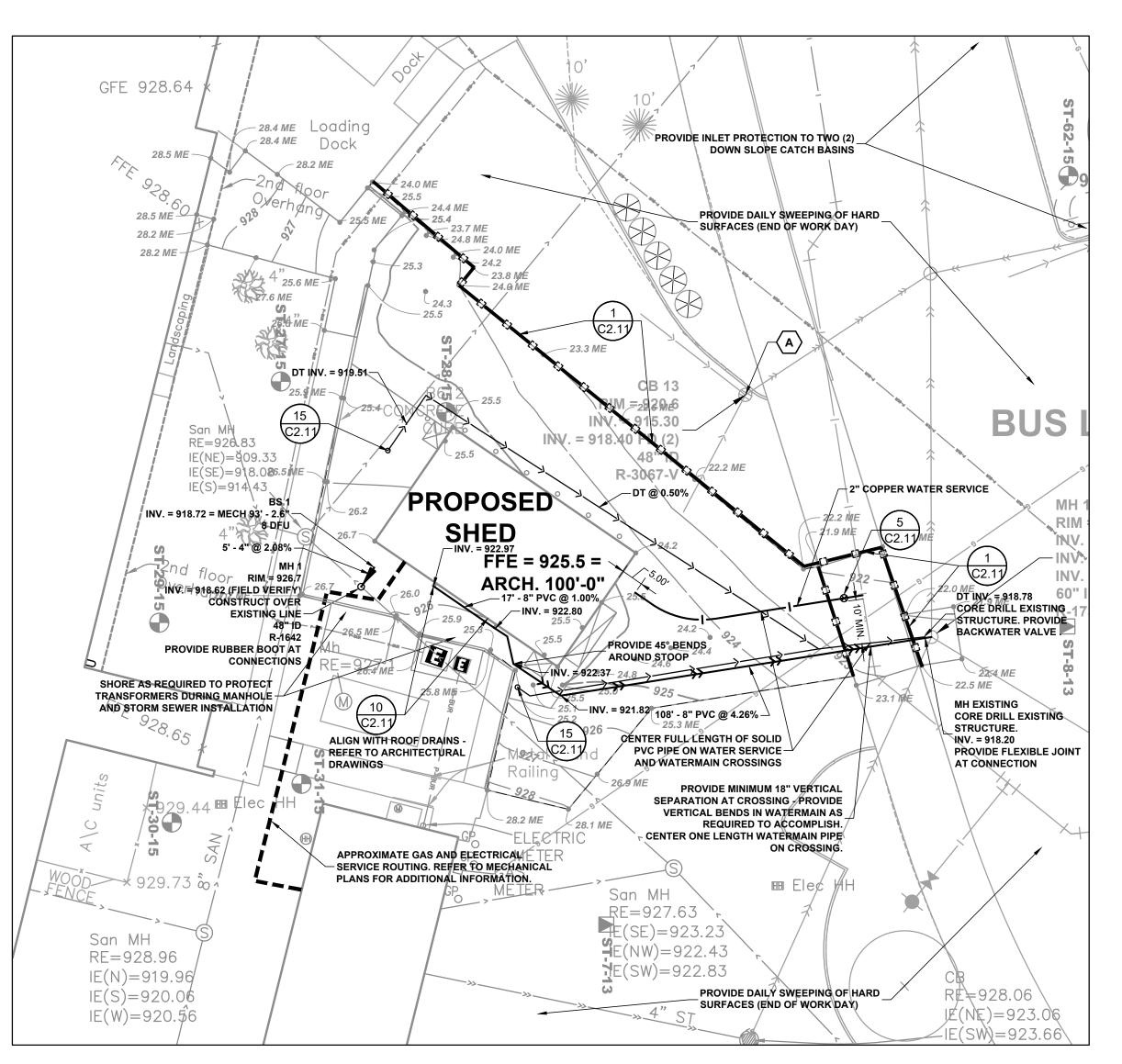
 \times 916.\$6=T0 GFE 928.64 -**28.4 ME** Loadin (**28.4 ME** Dock TC=923.3 24.0 ME WALK CROSS SLOPES NOT 25.5 ADA COMPLIANT 20.2 28.2 ME -28.2 ME WALK SLOPE EXCEEDS 5% 18.8 — ⁺ 25.6 ME AND IS NON ADA COMPLIANT. THIS WALK 19.0 — NOT AN ADA ROUTE. 19.4 — 19.7 — × 920.09=TC 25.9 ME -BUS RE=920.83 IE(NE) = 909.33IE(SE)=9\8.0**26.5 ME** IE(S) = 914 43∠ 21.9 ME Shed**FFE** = **925.5** = 21.9 ME TRANSFORMER PAI POCATIONS AND ELEVATIONS — 26.4 ME -24.8 APPROXIMATE - FIELD VERIFY − 22.5 ME **∠ 25.3 ME**_ MATCH EXISTING GRADES IN RESTORATION AREAS OUTSIDE GRADING LIMITS MATCH EXISTING GRADES IN RESTORATION AREAS OUTSIDE GRADING LIMITS × 927.36/= Ţ San MH E(NW)≥922.43 IE(N) = 919.96R**₽** = 928.06 IE(S) = 920.00/E(NE) = 923.08IE(W) = 920.56IE(SW)=923.66\

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GRADING AND DRAINAGE PLAN





UTILITY AND EROSION CONTROL

GENERAL NOTES:

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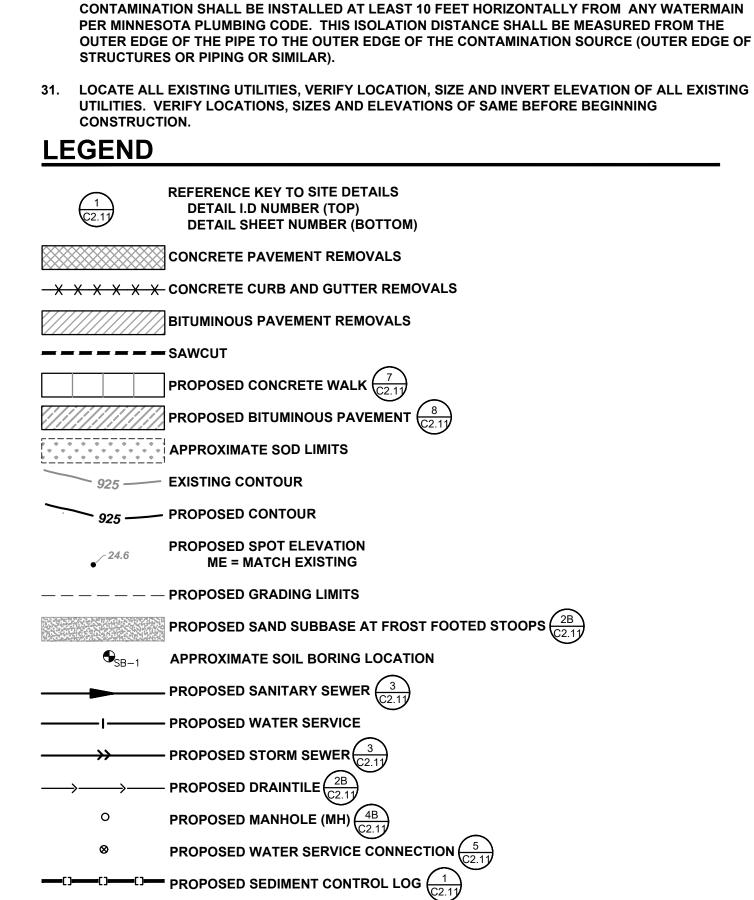
- 1. ALL CONSTRUCTION MUST COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING /
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS. SUBMIT A **COPY OF ALL PERMITS TO THE CITY.**
- 4. INSTALL CONTROL FENCING AND BARRICADING AS NECESSARY TO PROTECT THE PUBLIC
- INSPECT SITE AND REVIEW SOIL BORINGS TO DETERMINE EXTENT OF WORK AND NATURE OF
- MATERIALS TO BE HANDLED.
- 6. REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
- 7. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT
- REFER TO ARCHITECTURAL PLANS FOR BUILDING AND STOOP DIMENSIONS AND LAYOUT.
- 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
- 10. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS

OF CONSTRUCTION RELATED DIRT AND DEBRIS.

- 11. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
- 12. IF EROSION AND SEDIMENT CONTROL MEASURES TAKEN ARE NOT ADEQUATE AND RESULT IN DOWNSTREAM SEDIMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT DOWNSTREAM STORM SEWERS AS NECESSARY, INCLUDING ASSOCIATED RESTORATION.
- 13. INLET PROTECTION DEVICE AT STORM SEWER INLETS. AT THE INLETS TO ALL STORM SEWER
- STRUCTURES, PROVIDE A PRODUCT FROM THE FOLLOWING LIST. APPROVED PRODUCTS:
- a. ROAD DRAIN "TOP SLAB", MANUFACTURED BY WIMCO b. ROAD DRAIN "CURB & GUTTER", MANUFACTURED BY WIMCO
- c. INFRASAFE "SEDIMENT CONTROL BARRIER", MANUFACTURED BY ROYAL ENVIRONMENTAL d. INFRASAFE "DEBRIS COLLECTION DEVICE", MANUFACTURED BY ROYAL ENVIRONMENTAL
- SYSTEMS, INC. e. DANDY SACK, MANUFACTURED BY DANDY PRODUCTS, INC.
- F. DANDY CURB SACK, MANUFACTURED BY DANDY PRODUCTS, INC.
- g. OR APPROVED EQUAL.
- PRIOR TO CONSTRUCTION, DELINEATE TURF AND VEGETATED AREAS NOT TO BE DISTURBED WITH ORANGE SNOW FENCE. NO CONSTRUCTION TRAFFIC, EQUIPMENT OR MATERIALS SHALL BE PERMITTED TO UTILIZE, ACCESS, OR OTHERWISE ENTER THE AREAS DESIGNATED NOT TO BE DISTURBED. MINIMIZE SOIL COMPACTION AND DISRUPTION OF TOPSOIL IN AREAS OUTSIDE THE CONSTRUCTION LIMITS TO COMPLY WITH MN CONSTRUCTION STORMWATER GENERAL PERMIT.
- 15. MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING VEGETATION AND SITE FEATURES (CURBS WALKS, PAVEMENTS, OVERHEAD AND UNDERGROUND UTILITIES, SIGNAGE, FENCING, ROADWAYS, ETC.) WHICH ARE TO REMAIN.
- 16. REPAIR OR REPLACE EXISTING PROPERTY AND SITE FEATURES, INCLUDING GRASS AND VEGETATION, WHICH IS TO REMAIN THAT IS DAMAGED BY THE WORK, TO OWNER'S SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.
- VISIT THE SITE PRIOR TO BIDDING; BE FAMILIAR WITH ACTUAL CONDITIONS IN THE FIELD. EXTRA COMPENSATION WILL NOT BE ALLOWED FOR CONDITIONS WHICH COULD HAVE BEEN DETERMINED OR ANTICIPATED BY EXAMINATION OF THE SITE, THE CONTRACT DRAWINGS AND THE INFORMATION AVAILABLE PERTAINING TO EXISTING SOILS, UTILITIES AND OTHER SITE CHARACTERISTICS.
- 18. THE CONTRACTOR SHALL HIRE THE SERVICES OF A UTILITY LOCATOR COMPANY TO LOCATE ALL PRIVATELY OWNED UTILITIES THAT MAY BE DISTURBED BY CONSTRUCTION OPERATIONS.
- 19. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS OTHERWISE
- 20. PROPOSED ELEVATIONS SHOWN TYPICALLY AS 20.1 OR 20 SHALL BE UNDERSTOOD TO MEAN 920.1
- 21. 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.
- 22. 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.
- 23. NO FINISHED SLOPES SHALL EXCEED 4' HORIZONTAL TO 1' VERTICAL (4:1), UNLESS OTHERWISE
- 24. 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.
- 25. 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.
- 26. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
- 27. ALL WATER SERVICE PIPE SHALL BE COPPER TYPE K CONFORMING TO ASTM B 88-62. ALL WATER
- SERVICE PIPING SHALL HAVE MINIMUM 8'-0" BURY (TOP OF PIPE TO FINISH GRADE). 28. ALL STORM SEWER PIPE SHALL BE PVC PIPE (ASTM D3034, SDR 35) INSTALLED IN ACCORDANCE

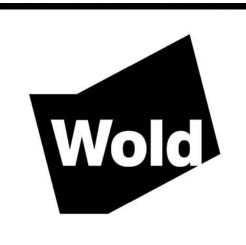
WITH ASTM D2321, UNLESS OTHERWISE NOTED.

- 29. ALL SANITARY SEWER PIPE SHALL BE PVC PIPE (ASTM D 3034, SDR 26), UNLESS OTHERWISE NOTED.
- SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321. 30. ANY SANITARY SEWER, STORM SEWER, DRAINTILE OR OTHER POTENTIAL SOURCE FOR
- 31. LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING



VALLEY VIEW MIDDLE SCHOOL **2020 RENOVATIONS** 6750 VALLEY VIEW ROAD EDINA, MN 55424

EDINA PUBLIC SCHOOLS: IDS # 273 5701 NORMANDALE ROAD EDINA, MN 55424



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DAVID A. REY Registration Number **40180** Date **01/09/20**

I hereby certify that this plan, specification or report was prepared by

PROFESSIONAL ENGINEER

me or under my direct supervision and that I am a duly Licensed

under the laws of the State of MINNESOTA

SHED SITE **PLANS**

Date: 01/09/2020

Scale: 1" = 20"

— — — PROPERTY LINE

PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS

INLET PROTECTION DEVICE AT STORM SEWER INLET