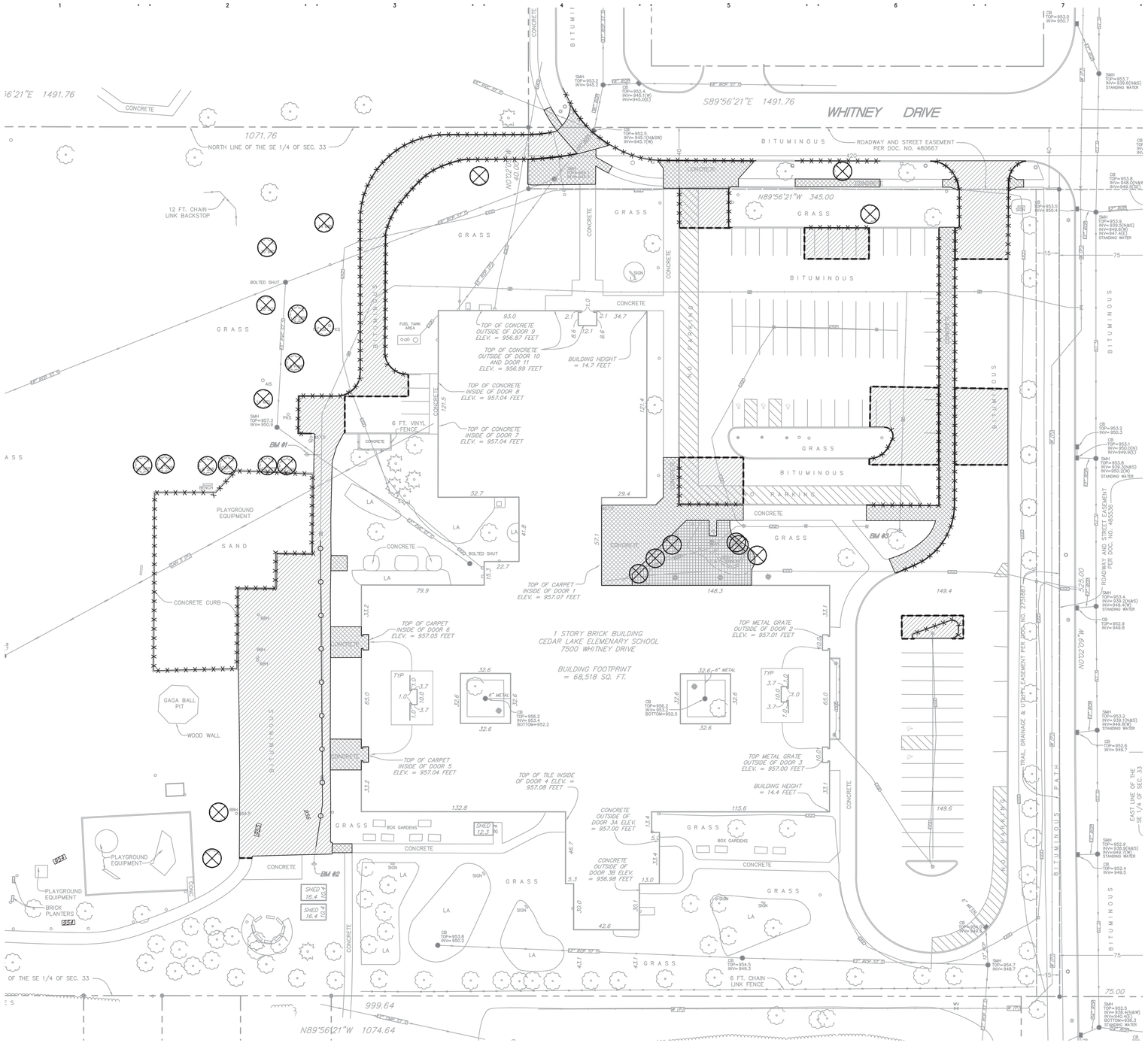


NOTES:

1. REFER TO SHEET C1.41, GRADING PLAN, FOR GENERAL NOTES.
2. 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.
3. 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.
4. 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.
5. THE CONTRACTOR SHALL HIRE THE SERVICES OF A UTILITY LOCATOR COMPANY TO LOCATE ALL PRIVATELY OWNED UTILITIES THAT MAY BE DISTURBED BY CONSTRUCTION OPERATIONS.

LEGEND

- CONCRETE PAVEMENT REMOVALS
- CONCRETE CURB AND GUTTER REMOVALS
- BITUMINOUS PAVEMENT REMOVALS
- UTILITY REMOVALS
- TREE REMOVALS
- LANDSCAPING REMOVALS (MULCH, SHRUBS ETC.)
- SAWCUT
- R1 REMOVALS KEY NOTE
- PROPERTY LINE

KEY NOTE LEGEND

- R1 REMOVE CONCRETE PAVEMENT TO NEAREST JOINT
- R2 REMOVE CONCRETE CURB AND GUTTER / VALLEY GUTTER
- R3 REMOVE BITUMINOUS PAVEMENT
- R4 REMOVE GRAVEL SURFACE
- R5 REMOVE AGLIME
- R6 REMOVE FENCING (INCLUDING FOOTINGS AND GATES)
- R7 REMOVE TRAFFIC CONTROL SIGN AND POST
- R8 REMOVE BOLLARD AND FOOTING
- R9 REMOVE RETAINING WALL
- R10 REMOVE STORM SEWER
- R11 REMOVE STORM SEWER STRUCTURE
- R12 REMOVE SANITARY SEWER
- R13 REMOVE SANITARY SEWER STRUCTURE
- R14 REMOVE WATERMAIN
- R15 REMOVE HYDRANT
- R16 REMOVE GATE VALVE
- R17 REMOVE TREE
- R18 REMOVE LANDSCAPING (MULCH, SHRUBS, ETC.)
- R19 REMOVE PLAYGROUND STRUCTURE / EQUIPMENT
- R20 REMOVE PLAYGROUND MATERIAL (MULCH, EDGING, ETC.)
- R21 RECLAIM BITUMINOUS PAVEMENT
- R22 SAWCUT
- P1 PROTECT CONCRETE PAVEMENT
- P2 PROTECT CONCRETE CURB AND GUTTER / VALLEY GUTTER
- P3 PROTECT BITUMINOUS PAVEMENT
- P4 PROTECT GRAVEL SURFACE
- P5 PROTECT AGLIME
- P6 PROTECT FENCING (INCLUDING FOOTINGS AND GATES)
- P7 PROTECT TRAFFIC CONTROL SIGN AND POST
- P8 PROTECT BOLLARD AND FOOTING
- P9 PROTECT RETAINING WALL
- P10 PROTECT STORM SEWER
- P11 PROTECT STORM SEWER STRUCTURE
- P12 PROTECT SANITARY SEWER
- P13 PROTECT SANITARY SEWER STRUCTURE
- P14 PROTECT WATERMAIN
- P15 PROTECT HYDRANT
- P16 PROTECT GATE VALVE
- P17 PROTECT TREE
- P18 PROTECT LANDSCAPING (MULCH, SHRUBS, ETC.)
- P19 PROTECT PLAYGROUND STRUCTURE / EQUIPMENT
- P20 PROTECT PLAYGROUND MATERIAL (MULCH, EDGING, ETC.)
- X1 REFER TO SHEET CXXXX - UTILXXX FOR TREATMENT
- X2 REFER TO SHEET CXXXX - GRADXXX FOR TREATMENT
- X3 REFER TO ARCHITECTURAL PLANS FOR TREATMENT
- X4 REFER TO ELECTRICAL PLANS FOR TREATMENT
- X5 REFER TO MECHANICAL PLANS FOR TREATMENT

NOT FOR CONSTRUCTION

CEDAR PARK ELEMENTARY SCHOOL ADDITIONS

7500 WHITNEY DR,
APPLE VALLEY, MN 55124

Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651.227.7773

ANDERSON - JOHNSON ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
7575 GOLDEN VALLEY ROAD • SUITE 200 • MINNEAPOLIS, MN 55427
FAX (763) 544-0521 PH (763) 544-7329

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 XX/XX/XX

Revisions		
Description	Date	Num

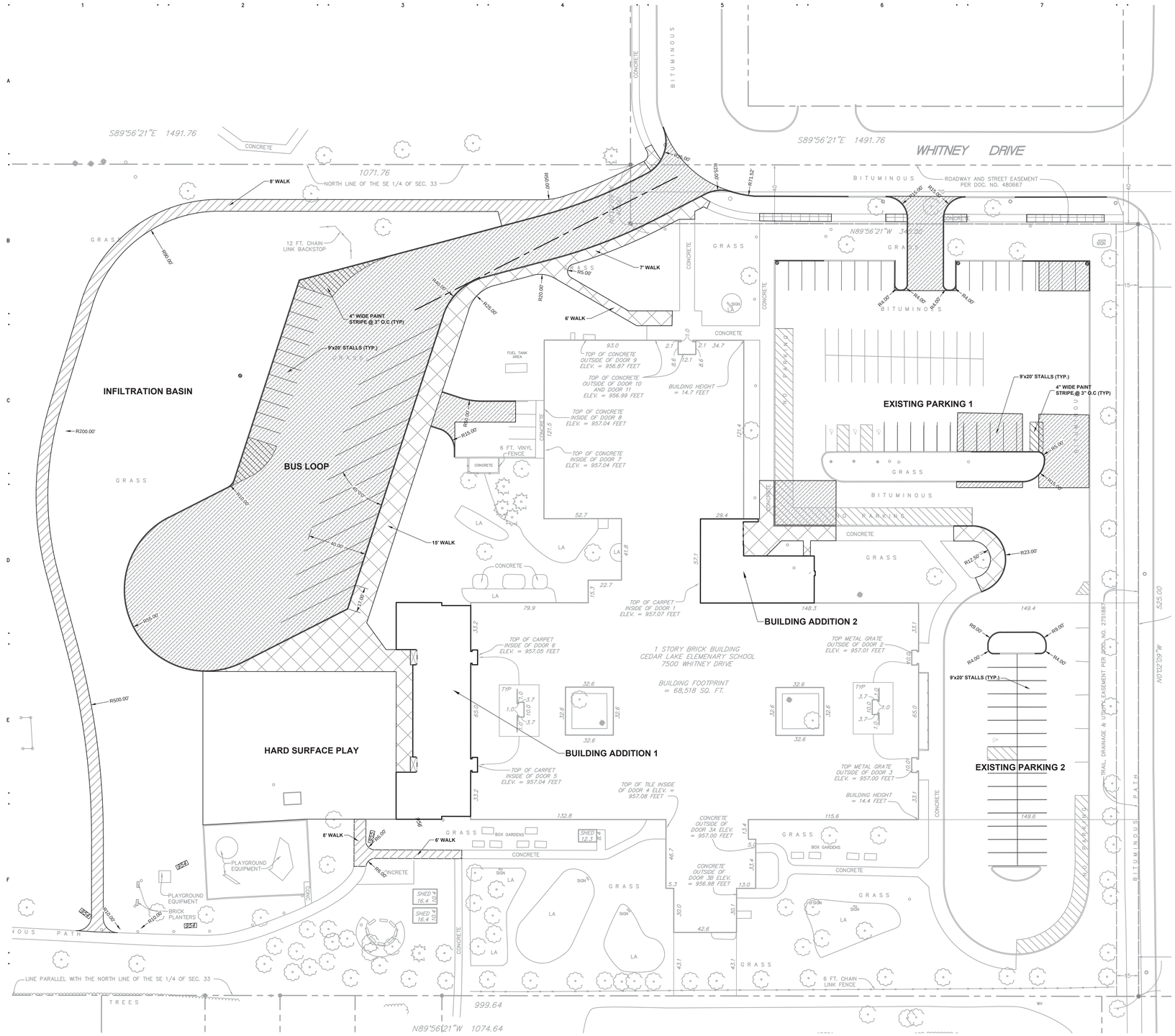
Comm: _____
Date: _____
Drawn: _____
Check: DAR

North

Scale: 1" = 30'

SITE REMOVALS PLAN

C1.11



NOTES:

1. REFER TO SHEET C1.41, GRADING PLAN, FOR GENERAL NOTES.
2. ALL APPLICABLE DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT, CENTERLINE OF FENCE, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
3. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
4. SIGNAGE SHALL BE INSTALLED 18" BEHIND THE BACK OF CURB OR EDGE OF PAVEMENT.
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 OR SEEDED.
6. 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.
7. 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))
- BASELINE FOR DIMENSIONS
- PI — POINT OF INTERSECTION
- PT — POINT OF TANGENCY
- PCC — POINT OF COMPOUND CURVATURE
- PROPOSED CONCRETE WALK
- PROPOSED CONCRETE SLAB
- PROPOSED LIGHT DUTY BITUMINOUS PAVEMENT
- PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
- PROPOSED SOFT PLAY AREA
- PROPOSED TENNIS COURT PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED CHAIN LINK FENCING
- PROPOSED CHAIN LINK FENCING WITH MAINTENANCE STRIP
- PROPOSED TRAFFIC CONTROL SIGN
- SIGNAGE KEY NOTE
- PROPOSED BOLLARD
- PAINTED ACCESSIBLE SYMBOL
- PROPOSED MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROPOSED RISER INLET (RI)
- PROPOSED SURGE BASIN (SB)
- PROPOSED FLARED END SECTION (FES)
- PROPOSED HYDRANT (HYD)
- PROPOSED GATE VALVE (GV)
- PROPOSED POST INDICATOR VALVE (PIV)
- PROPOSED FLAGPOLE - REFER TO ARCHITECTURAL PLANS
- PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
- PROPOSED LIGHT POLE - REFER TO ELECTRICAL PLANS
- PROPERTY LINE

SITE STATISTICS:

EXISTING PARKING COUNTS (XX TOTAL STALLS):
STAFF PARKING = XX STALLS
VISITOR PARKING = XX STALLS

PROPOSED PARKING COUNTS (XX TOTAL CAR STALLS):
STAFF PARKING = XX STALLS
VISITOR PARKING = XX STALS
BUS PARKING = X BUS STALLS, XX EVENT ONLY CAR STALLS

ACCESSIBLE PARKING STALL REQUIREMENTS = X STALLS
ACCESSIBLE PARKING STALLS PROVIDED = X STALLS

SIGNAGE KEY NOTES

A — STOP

CEDAR PARK ELEMENTARY SCHOOL ADDITION

7500 WHITNEY DR,
APPLE VALLEY, MN 55124

Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651.227.7773

ANDERSON - JOHNSON ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
7171 GOLDEN VALLEY ROAD • SUITE 200 • MINNEAPOLIS, MN 55427
FAX (763) 544-0533 PH (763) 544-7112

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 XX/XX/XX

Revisions		
Description	Date	Num

Comm: _____
Date: _____
Drawn: _____
Check: DAR

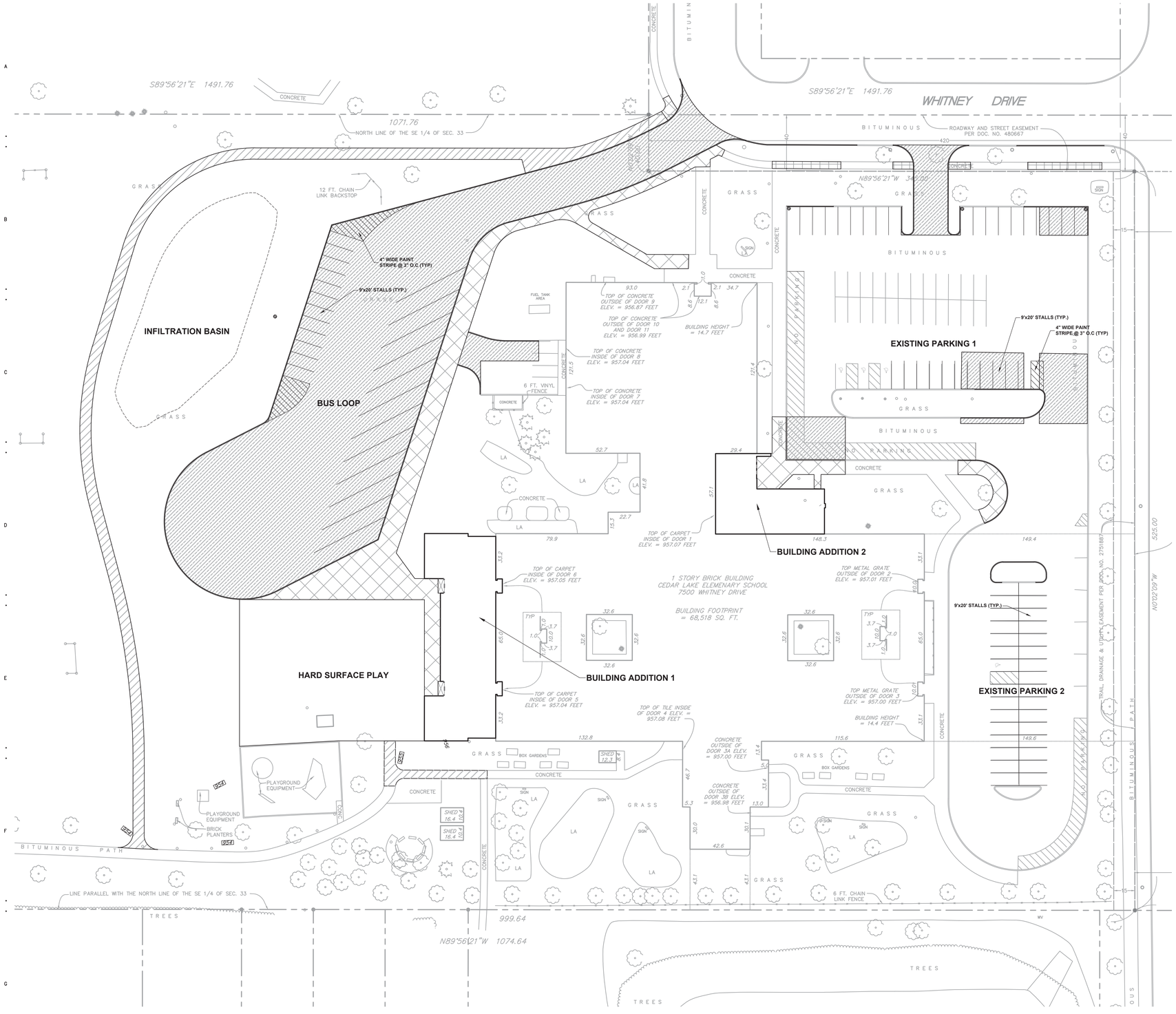
North

SITE & GEOMETRIC PLAN

Scale: 1" = 30'

NOT FOR CONSTRUCTION

C1.21



NOTES:

1. REFER TO SHEET C1.31, GRADING PLAN, 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 SEEDED.
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 HEAVY DUTY BITUMINOUS PAVEMENT
- PROPOSED SOFT PLAY AREA
- PROPOSED TRAFFIC CONTROL SIGN
- SIGNAGE KEY NOTE
- PROPOSED BOLLARD
- PAINTED ACCESSIBLE SYMBOL
- PROPOSED MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROPOSED RISER INLET (RI)
- PROPOSED SURGE BASIN (SB)
- PROPOSED FLARED END SECTION (FES)
- PROPOSED HYDRANT (HYD)
- PROPOSED GATE VALVE (GV)
- PROPOSED POST INDICATOR VALVE (PIV)
- PROPOSED FLAGPOLE - REFER TO ARCHITECTURAL PLANS
- PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
- PROPOSED LIGHT POLE - REFER TO ELECTRICAL PLANS
- PROPERTY LINE

SITE STATISTICS:

EXISTING PARKING COUNTS (XX TOTAL STALLS):
STAFF PARKING = XX STALLS
VISITOR PARKING = XX STALLS

PROPOSED PARKING COUNTS (XX TOTAL CAR STALLS):
STAFF PARKING = XX STALLS
VISITOR PARKING = XX STALS
BUS PARKING = X BUS STALLS, XX EVENT ONLY CAR STALLS

ACCESSIBLE PARKING STALL REQUIREMENTS = X STALLS
ACCESSIBLE PARKING STALLS PROVIDED = X STALLS

SIGNAGE KEY NOTES

A STOP

NOT FOR CONSTRUCTION

CEDAR PARK ELEMENTARY SCHOOL ADDITIONS

7500 WHITNEY DR,
APPLE VALLEY, MN 55124

Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651.227.7773

ANDERSON - JOHNSON ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
7575 GOLDEN VALLEY ROAD • SUITE 200 • MINNEAPOLIS, MN 55427
FAX (763) 544-0521 PH (763) 544-7129

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 XX/XX/XX

Revisions

Description	Date	Num

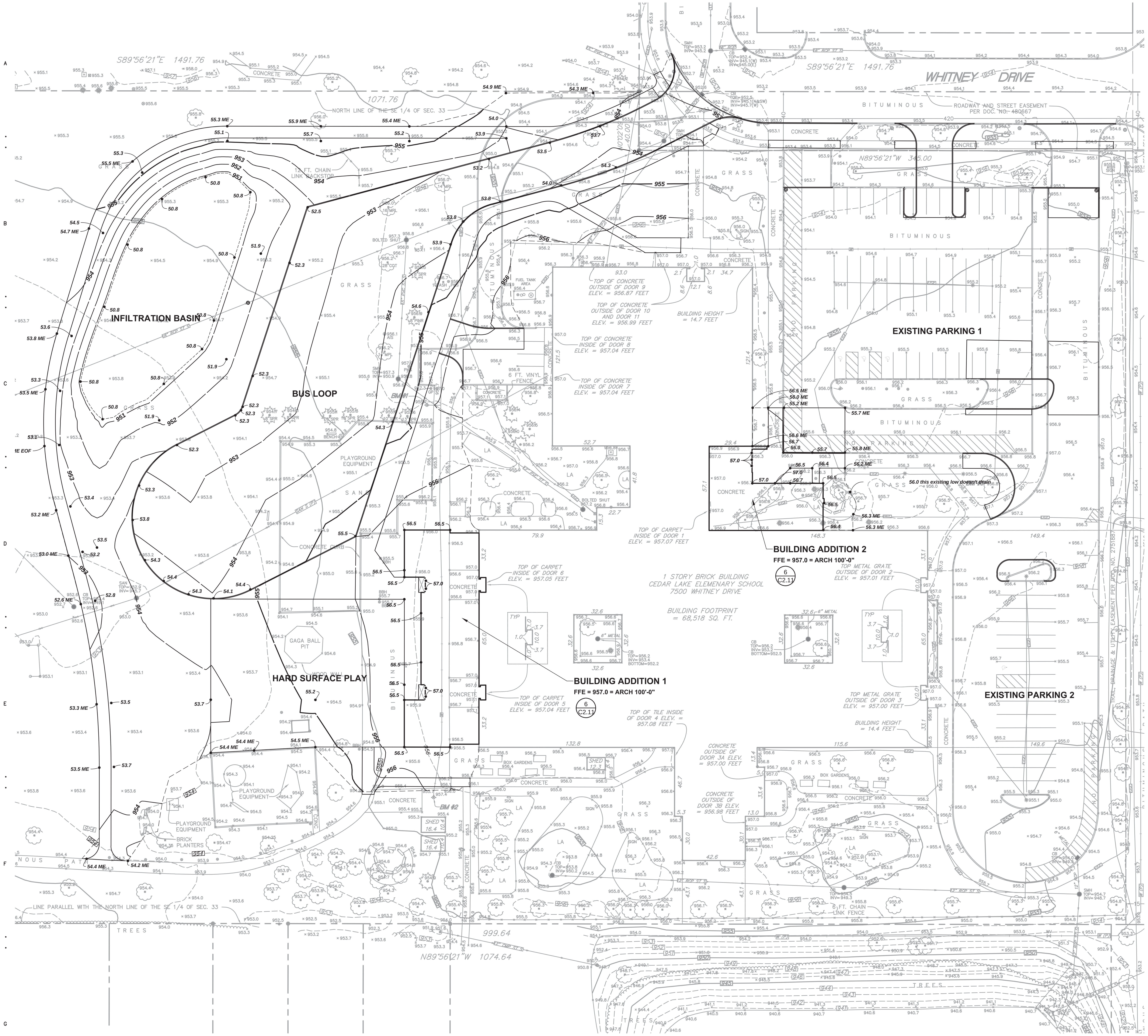
Comm:
Date:
Drawn:
Check: DAR

North

FINISHING PLAN

Scale: 1" = 30'

C1.31



GEOTECHNICAL TABLE

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
- EOF = EMERGENCY OVERFLOW
- TW = FINISH GRADE AT HIGH SIDE OF WALL
- BW = FINISH GRADE AT LOW SIDE OF WALL

PROPOSED GRADING LIMITS

PROPOSED SAND SUBBASE AT FROST FOOTED STOOPS

APPROXIMATE SOIL BORING / TEST PIT LOCATION (TP-1, SB-1)

PROPOSED MANHOLE (MH)

PROPOSED CATCH BASIN (CB)

PROPOSED RISER INLET (RI)

PROPOSED SURGE BASIN (SB)

PROPOSED FLARED END SECTION (FES)

PROPOSED HYDRANT (HYD)

PROPOSED GATE VALVE (GV)

PROPOSED POST INDICATOR VALVE (PIV)

PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS

PROPERTY LINE

BENCHMARKS (FIELD VERIFY BEFORE USING)

1.) TOP OF TOP NUT OF FIRE HYDRANT NORTHEAST OF PLAYGROUND ON WEST SIDE OF SCHOOL.
Elevation = 958.20

2.) TOP OF TOP NUT OF FIRE HYDRANT50 FEET +/- SOUTHWEST OF SOUTHWEST CORNER OF SCHOOL.
Elevation = 985.57

3.) TOP OF TOP NUT OF FIRE HYDRANT 80 FEET +/- NORTHEAST OF DOOR NO. 2.
Elevation = 985.98

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 1010.1 OR 1010.
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. IT IS INTENDED THAT EARTHWORK (CUT VS. FILL) BALANCE ON SITE. FOR GENERAL GRADES ADJUSTMENT AREA REFER TO SECTION 31 00 00. THE CONTRACTOR SHALL SUBMIT THE QUANTITY OF MATERIAL AND AMOUNT OF ANTICIPATED GRADE ADJUSTMENT FOR REVIEW BY THE ENGINEER A MINIMUM OF FOUR WEEKDAYS PRIOR TO MAKING ADJUSTMENTS. ALL GRADE ADJUSTMENTS MUST BE APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK ASSOCIATED WITH GRADING ADJUSTMENTS, INCLUDING, BUT NOT LIMITED TO, EARTHWORK OPERATIONS, STORM SEWER PIPING AND STRUCTURE ADJUSTMENTS, CONSTRUCTION SURVEYING FOR ADJUSTING FEATURE LOCATIONS ACCORDINGLY, SILT FENCE, ETC.
20. NO FINISHED SLOPES SHALL EXCEED 4' HORIZONTAL TO 1' VERTICAL (4:1), UNLESS OTHERWISE NOTED.
21. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLIME, SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SEEDED OR SODDED. REFER TO SHEETS C8.1, C8.2, C8.3, LANDSCAPING PLANS, FOR SOD AND SEED LOCATIONS. ALL OTHER AREAS DISTURBED BY CONSTRUCTION NOT SPECIFICALLY IDENTIFIED TO RECEIVE A CERTAIN SEED MIX SHALL BE SEEDED WITH SEED MIX #2.
22. 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.
23. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SEED OR RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
24. ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINTILE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY WATERMAIN PER MINNESOTA PLUMBING CODE. 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).
25. LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.
26. CONTRACTOR SHALL MAINTAIN DRAINAGE FROM EXISTING BUILDING AT ALL TIMES. PROVIDE TEMPORARY STORM SEWER (INCLUDING, BUT NOT LIMITED TO, CATCH BASINS, MANHOLES, PIPING, ETC.) AS REQUIRED. EXISTING STORM SEWER SHALL NOT BE REMOVED UNTIL TEMPORARY OR PERMANENT STORM SEWER IS INSTALLED AND FUNCTIONAL. COORDINATE ALL REMOVALS WITH APPROPRIATE TRADES (SITE UTILITY CONTRACTOR, MECHANICAL CONTRACTOR, ETC.) AS REQUIRED.

NOT FOR CONSTRUCTION

CEDAR PARK ELEMENTARY SCHOOL ADDITIONS

7500 WHITNEY DR,
APPLE VALLEY, MN 55124

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651.227.7773

ANDERSON - JOHNSON ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
7575 GOLDEN VALLEY ROAD • SUITE 200 • MINNEAPOLIS, MN 55427
FAX (763) 544-0531 PH (763) 544-7129

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 XX/XX/XX

Revisions		
Description	Date	Num

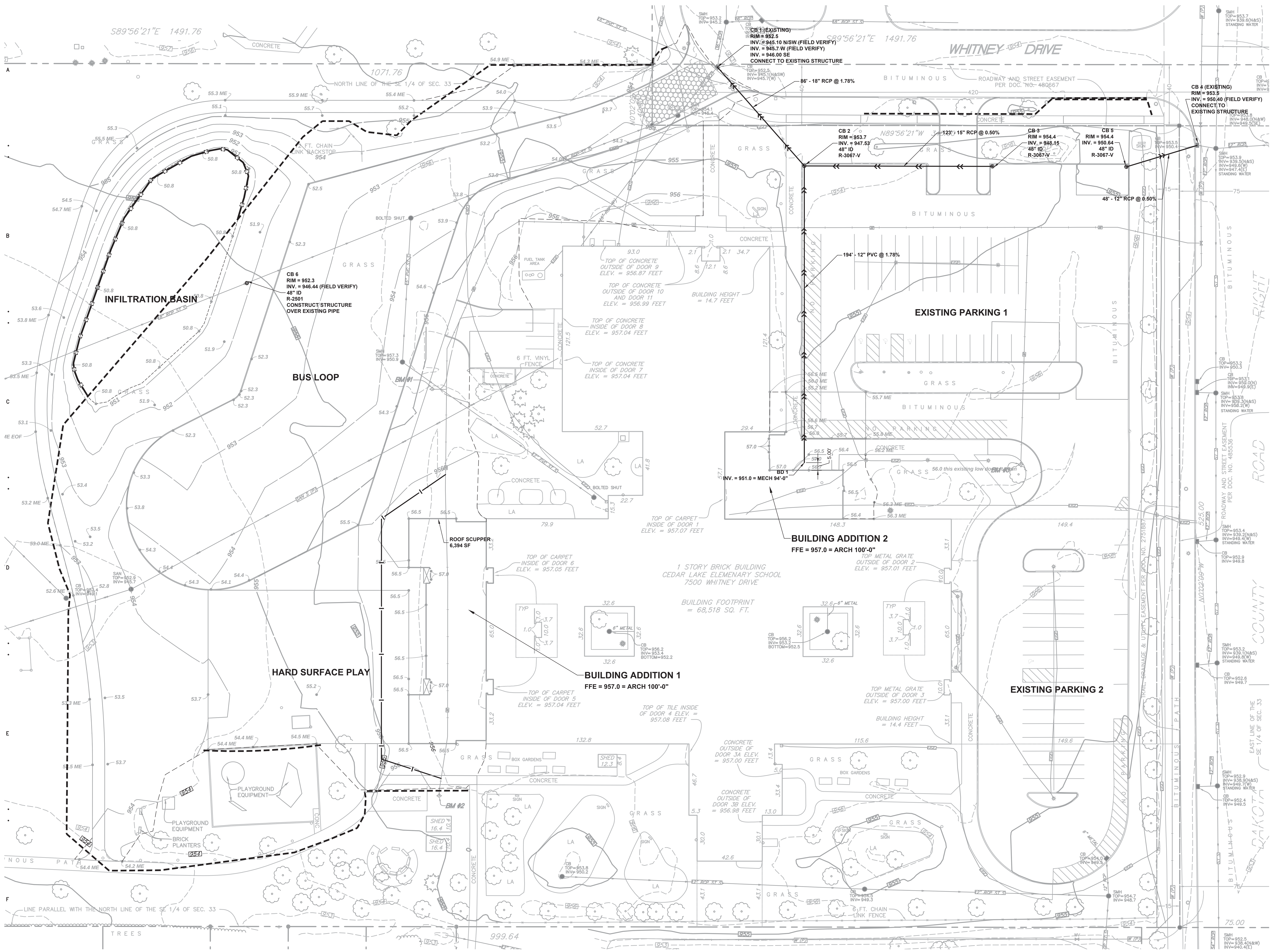
Comm:
Date:
Drawn:
Check: DAR

North

GRADING PLAN

Scale: 1" = 30'

C1.41



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
  - EOF = EMERGENCY OVERFLOW
  - TW = FINISH GRADE AT HIGH SIDE OF WALL
  - BW = FINISH GRADE AT LOW SIDE OF WALL
- PROPOSED GRADING LIMITS
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATERMAIN
- PROPOSED DRAINTILE / FINGER DRAIN
- PROPOSED MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROPOSED FLARED END SECTION (FES)
- PROPOSED GATE VALVE (GV)
- (1) PROVIDE MINIMUM 18" VERTICAL SEPARATION AT CROSSING - PROVIDE VERTICAL BENDS IN WATERMAIN AS REQUIRED TO ACCOMPLISH
- (A) SEDIMENT CONTROL DEVICE AT STORM SEWER INLET
- PROPOSED SILT FENCE
- PROPOSED SEDIMENT CONTROL LOG
- PROPOSED ROCK CONSTRUCTION ENTRANCE
- PROPOSED EROSION CONTROL BLANKET
- PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
- PROPERTY LINE

NOTES

1. REFER TO SHEET C1.41, GRADING PLAN, FOR GENERAL NOTES.
2. ALL WATERMAIN PIPE SHALL BE DIP, CLASS 52. ALL WATERMAIN SHALL HAVE MINIMUM 8'-0" BURY (TOP OF PIPE TO FINISH GRADE). DIP SHALL BE ENCASED WITH POLYETHYLENE FILM CONFORMING TO ASTM D 1248-889.
3. 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.
4. 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.
5. FLEXIBLE JOINTS AT STORM SEWER PIPE CONNECTIONS TO STRUCTURES:
   a. IN ACCORDANCE WITH MINNESOTA PLUMBING CODE, PROVIDE FLEXIBLE JOINTS AT ALL PIPE CONNECTIONS TO ALL STORM SEWER STRUCTURES.
   b. ACCEPTABLE MANUFACTURERS / PRODUCTS:
   i. FERNCO, "CONCRETE MANHOLE ADAPTORS" OR "LARGE-DIAMETER WATERSTOPS"
   ii. PRESS-SEAL, WATERSTOP GROUTING RINGS"
   iii. OR APPROVED EQUAL.
6. WATERMAIN SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINTILE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION PER MINNESOTA PLUMBING CODE. 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).
7. ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINTILE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY WATERMAIN PER MINNESOTA PLUMBING CODE. 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).
8. LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.
9. 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.
10. 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.
11. REFER TO SWPPP NARRATIVE (SECTION 01 89 13) FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
12. 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.
13. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
14. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND OTHER LOCAL REGULATIONS.
15. 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.
16. SEDIMENT CONTROL DEVICE AT STORM SEWER INLETS. AT THE INLETS TO ALL STORM SEWER STRUCTURES, PROVIDE A PRODUCT FROM THE FOLLOWING LIST. ACCEPTABLE PRODUCTS:
   A. WIMCO TOP SLAB™ MODEL RD 27.
   B. INFRASAFE® SEDIMENT CONTROL BARRIER, DISTRIBUTED BY ROYAL ENVIRONMENTAL SYSTEMS, INC. SCB'S SHALL BE SIZED SPECIFICALLY FOR THE STRUCTURE AND CASTING SPECIFIED. SCB'S SHALL BE EQUIPPED WITH FRAME AND PERFORATED SHROUD AND SHALL BE WRAPPED ON THE OUTSIDE, COVERING THE PERFORATED WALL ONLY, WITH A GEOTEXTILE SOCK.
   C. DANDY BAG® OR DANDY BAG II® DISTRIBUTED BY BROCK WHITE COMPANY, ST. PAUL, MN (615) 647-0950. DANDY BAG SHALL BE USED ONLY FOR CURB INLETS AFTER PAVEMENT (BINDER COURSE OR WEAR COURSE) IS INSTALLED OR AT EXISTING PAVED AREAS.
   D. INFRASAFE® DEBRIS COLLECTION DEVICE BY ROYAL ENVIRONMENTAL SYSTEMS, INC., DISTRIBUTED BY ESS BROTHERS, 9350 COUNTY ROAD 19, CORCORAN, MN 55357 DCD'S SHALL BE SIZED SPECIFICALLY FOR THE STRUCTURE AND CASTING SPECIFIED. PROVIDE FILTER BAGS AND TIES FOR COMPLETE INSTALLATION.
   E. OR APPROVED EQUAL.

APPROXIMATE EROSION CONTROL DEVICE QUANTITIES

SILT FENCE = XXX L.F.

SEDIMENT CONTROL LOG = XXX L.F.

ROCK CONSTRUCTION ENTRANCE = XXX C.Y.

EROSION CONTROL BLANKET = XXX S.Y.

SEDIMENT CONTROL DEVICE AT STORM SEWER INLET = XXX

EXCERPT FROM THE SWPPP NARRATIVE

The following is from the Storm Water Pollution Prevention Plan Narrative, Section 01 89 13 of the Project Manual. In accordance with Section 31 00 00, the Contractor shall be responsible for full implementation of and maintenance required by the SWPPP Narrative until the Notice of Termination is approved by the MPCA. Should differences arise between the SWPPP Narrative information described below and the information contained within the SWPPP Narrative, bound into the Project Manual, the SWPPP in the Project Manual shall govern.

V. General Construction Sequence (in conjunction with the Construction Manager's Construction Schedule)

A. Erosion Control Devices, noted herein, include:
1. Silt fence
2. Sediment Control Device at storm sewer inlets
3. Sediment log
4. Rock construction entrance
5. Rock check dams
6. Rip rap
7. Storm water treatment basins
8. Temporary sediment basins
9. Storm sewer systems
10. Temporary outlet pipes
11. Erosion control blanket
12. Temporary seeding
13. Final seeding / sodding
14. Temporary / permanent vegetation
15. Other features identified by the Minnesota Pollution Control Agency, City or Engineer as a Best Management Practice (BMP) device.

B. Contractor and Owner shall apply for NPDES Phase II Permit within 24 hours of award of Contract.
1. Once obtained, the Contractor shall post the permit in the job site trailer or other suitable temporary storage area.

C. The Contractor shall review the SWPPP and its sequencing and requirements. The Contractor shall notify the Engineer if site conditions, construction sequencing, or other items are different or require modification from this written SWPPP.
Modifications to the SWPPP may be made upon approval of the Engineer.

D. Following review of the SWPPP plans commence with the following construction sequence (*Note, the Construction Sequence described below is an effort to minimize erosion potential during construction. The Sequence may be modified if the Contractor and Engineer mutually agree there is benefit to modify the Sequence to facilitate the CM"s Construction Schedule and maintain erosion control on site while protecting Surface Waters of the State)*:
1. Install perimeter silt fence where indicated on the Drawings. Silt fence shall be as specified in Section 31 25 00.
2. Construct Sediment Control Devices at existing storm sewer inlets (hay bales around castings and silt fence under castings will not be acceptable). Select devices that will not hinder traffic flow or vehicle movements.
3. Have silt fence and other erosion control devices inspected by local authorities, as required by the local authority.
4. Delineate limits of proposed stormwater management areas (infiltration and detention areas) and provide visual barrier around these areas to prohibit construction traffic within these zones. It is suggested that orange snow fence be installed around the full perimeter of these areas. No construction equipment staging, material staging, contractor parking, or other construction related access will be permitted within these areas. Maintain visual barrier on a regular basis.
   a. Work in these areas shall be minimized until upstream tributary areas are stabilized (either temporary or permanent stabilization). Maintain existing vegetation cover as much as possible.
5. Construct the rock construction entrance.
6. Remove existing site features to allow for building pad preparation.
7. Begin rough grading for the building pad.
8. Begin rough grading the new parking lot.
9. Establish the concrete truck washout area and post with a sign.
10. Construct retaining walls within the building limits to allow for full construction of the building pad and its varying finish floor elevations. Complete grading the building pad.
11. Construct the sanitary sewer system.
12. Construct the watermain system.
13. Construct the permanent storm sewer system. Prohibit direct surface drainage into inlet structures until the Infiltration and Detention areas are constructed and ready to receive storm water. Opening the storm sewer system to drainage may be one of the last site work items to complete.
14. Rough grade the paved area subgrade to specified tolerances.
15. *At this point in construction, winter conditions are likely. To prepare for winter conditions:*
   a. *Provide temporary seed and erosion control blanket to the areas noted on the drawings. The areas are generally upstream of neighboring properties, points where flow leaves the site, and upstream of the stormwater management areas. The intention of the temporary work is to stabilize these areas and provide protection during snow melt and rains in the spring.*
16. Begin building construction.
17. Rough and finish grade the new parking lot subgrade following the procedures identified in Section 31 00 00 Earthwork.
18. Once pavement subgrade testing is complete, construct the stabilized aggregate base course. This will serve as temporary stabilization for the parking lot.
19. Construct curb and gutter and concrete walks. This will serve as permanent stabilization for the walk areas.
20. Construct the first lift of pavement in the parking lot. This will serve as permanent stabilization for the parking lot.
21. Construct the curbing and fence work at the soft play areas. Install the draintile and surfacing systems and coordinate scheduling of this work with the Owner's installation of the playground equipment.
22. Protect the soft play areas by installing erosion control devices on the upstream side of the areas. Do not allow site soils / sedimentation within the soft play areas.
23. Construct the site retaining walls upstream of Infiltration Area 1. Provide temporary drainage (pumping, discharge lines, etc) during construction of the walls as required. Discharge water shall be routed to the area of Infiltration Area 1.
24. Rough and finish grade bituminous path subgrade following the procedures identified in Section 31 00 00 Earthwork.
25. Once pavement subgrade testing is complete, construct the stabilized aggregate base course. This will serve as temporary stabilization for the paths.
26. Construct the pavement for the bituminous paths. This will serve as permanent stabilization for the paths.
27. Begin construction of Infiltration Area 1 and Detention Basin 1. The site relies on these areas for storm drainage as all storm water runoff is contained on site and does not discharge to storm sewer. Therefore, it is critical to maintain or enhance the infiltrating properties of the soil within these areas. Options to accomplish include the following:
   a. Limit construction traffic within these areas as much as possible to avoid compacting the soils in these areas.
   b. Use a toothed bucket backhoe to excavate soils. Use off road trucks to haul and dump soils to other parts of the site.
   c. Use a bucket and backhoe to place soils (where fill is required).
   d. Use a toothed bucket for rough grading.
   e. Use manual labor for finish grading.
   f. Do not use equipment on the surface of the areas as this will compact the soils. Minimize smearing of the soils with mechanical equipment.
28. Spread topsoil and finish grade the outlying areas. Topsoil spreading shall include all areas except around the building until the exterior building work is complete.
29. Install the irrigation system.
30. Finish grade topsoil and prepare these areas for sod.
31. Sod the outlying areas. Use the irrigation system to keep sod adequately watered.
32. Once building exterior is complete, spread topsoil and prepare areas for sodding. Complete the irrigation system work around the building and install the sod, using the irrigation system to keep the sod adequately watered.
33. Provide final grading and restoration at the Infiltration and Detention Areas, including:
   a. Accessing the Areas at a single location to minimize disturbance to the surrounding areas.
   b. Self propelled equipment of any kind is prohibited within the Infiltration and Detention area limits. Self propelled equipment will compact the soils and adversely affect infiltration.
   c. Access shall come from outside the Areas (for example, use a backhoe for final excavation that reaches from outside the areas).
   d. Removal of all accumulated soils other than SP sands using a toothed bucket.
   e. Removal of all debris by hand.
   f. Scarify the upper 12 inches of the SP sands as specified in Section 31 00 00 Earthwork.
   g. Apply peat and blend into upper soil horizon as specified in Section 31 00 00 Earthwork.
   h. Install plantings (by hand to minimize compaction of soils).
34. Provide final lift of pavement and pavement markings.
35. Provide final stabilization and cleanup of the site.

E. Provide maintenance to erosion control devices and BMP's to comply with the requirements of the permit.

F. Re-install all sediment control practices that have been adjusted or removed to accommodate short-term activates, such as passage of construction vehicles or equipment, immediately after the short-term activity has been completed. All sediment control practices shall be re-installed before the next precipitation event if the short term activity is not complete.

G. Inspect erosion control devices and provide routine maintenance as follows:
1. Inspect erosion control devices a minimum of once per week and **inspect, repair and cover erosion-damaged areas within 6 hours of every 24 hour storm event that is greater than or equal to 0.5 inches to comply with Minnesota B3 Guidelines requirements**. Record inspection on log posted in Contractor's construction trailer or other suitable temporary storage area. All inspections and maintenance shall be recorded within 24 hours.
   a. Records of each inspection and maintenance activity shall include:
      (1) Date and time of inspections
      (2) Name of person conducting inspection
      (3) Findings of inspections, including recommendations for corrective actions
      (4) If any discharge is observed to be occurring during the inspection, a record of all points of the property, from which there is a discharge must be made, and the discharge should be described (i.e., color, odor, floating, settled, or suspended solids, foam, oil sheen, and other obvious indicators of pollutants. Photographs shall be taken and kept with the inspection log.
      (5) Corrective actions taken (including dates, times, and party completing maintenance activities
      (6) Date and amount of all rainfall events greater than one quarter inch (0.25 inch) in 24 hours. Rainfall amounts must be obtained by a properly maintained rain gauge installed onsite, a weather station that is within 1 mile of the project site, or a weather reporting system that provides site specific rainfall data from radar summaries
      (7) Documentation of changes made to the SWPPP as required by the NPDES General Stormwater Permit for Construction Activity (MN R100001)
   b. Inspections are not required where the ground is frozen. The required inspections and maintenance schedule must begin within 24 hours after runoff occurs at the site or 24 hours prior to resuming construction, whichever comes first.
2. Provide maintenance for all devices as follows:
   a. Silt fences, sediment logs, temporary berms, and erosion control devices at storm sewer inlets shall be inspected for depth of sediment, tears, to see if fabric is securely attached to support posts or structure, and to see that posts and devices are securely in place.
   b. Silt fences, sediment logs, temporary berms, and erosion control devices at storm sewer inlets, and other erosion control devices shall be cleaned when sediment reaches 1/3 the height of the erosion control device, within 24 hours.
   c. Rock construction entrances shall be inspected for clogging of river rock. River rock that has become clogged with sediment shall be removed and replaced with fresh river rock.
   d. Repairs or replacements to all erosion control devices shall occur within 24 hours of discovery.
   e. Tracked sediment from construction vehicles on to public streets and paved areas (including paved areas on the construction site) shall be removed within 24 hours of discovery.
   f. Streets and other areas adjacent to the project must be inspected for evidence of off-site accumulations of sediment. If sediment is present, it must be removed in a manner and at a frequency sufficient to minimize off-site impacts.
   g. Removal of sediment and restabilization of Surface Waters shall be accomplished within 24 hours of discovery (**note: surface waters include curb and gutter, pavements, storm sewer, swales, or other similar storm water conveyance devices**).

H. Provide dewatering of excavations as identified in Section 31 00 00.

I. Temporary Soil Stockpiles:
1. Temporary soil stockpiles shall not be placed in surface waters of the state, including surface conveyances such as curb and gutter, swales, or ditches.
2. Install silt fence at the base of the temporary soil stockpile (full perimeter).
3. Temporary soil stockpiles shall be seeded with temporary seed mix and hydromulch when stockpiles are left inactive for **periods longer than 48 hours to comply with Minnesota B3 Guidelines requirements**. Note, this does not apply to aggregate stockpiles or other stockpiles without significant silt, clay or organic components (clean aggregate stockpiles, clean rock, clean sand and similar clean aggregates).

J. Stabilize denuded areas and (including stockpiles) within the following number of days of last construction activity (temporary or permanent) in that area:
1. As soon as possible but **in no case later than 48 hours to comply with Minnesota B3 Guidelines requirements**.

K. Provide maintenance of all sodded areas until fully established.

L. Provide cleaning of storm sewer system at the completion of the project. Cleaning shall include removal of accumulated sediment from all surface waters as defined by the permit (for example, curb and gutter, pavements, swales, Infiltration and Detention areas, detention areas, and storm sewer piping and structures).

M. Remove silt fence and erosion control devices at storm sewer inlets following full establishment of site vegetation. Dispose materials properly off-site.

N. Apply for Notice of Termination (NOT) with MPCA. NOT must be submitted within 30 days after:
1. Site has undergone Final [illegible] at least 80% vegetative [illegible]
2. Removal of all temporary [illegible] control measures (silt fence, etc.)
3. Final cleanout and maintenance of all permanent storm water facilities, and
4. Completion of all maintenance activities and site cleanup.

NOT FOR CONSTRUCTION

CEDAR PARK ELEMENTARY SCHOOL ADDITIONS

7500 WHITNEY DR,
APPLE VALLEY, MN 55124

Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651.227.7773

ANDERSON - JOHNSON ASSOCIATES, INC.
AJA
LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
7575 GOLDEN VALLEY ROAD • SUITE 200 • MINNEAPOLIS, MN 55427
FAX (763) 544-0531 PH (763) 544-7129

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 XX/XX/XX

Revisions		
Description	Date	Num

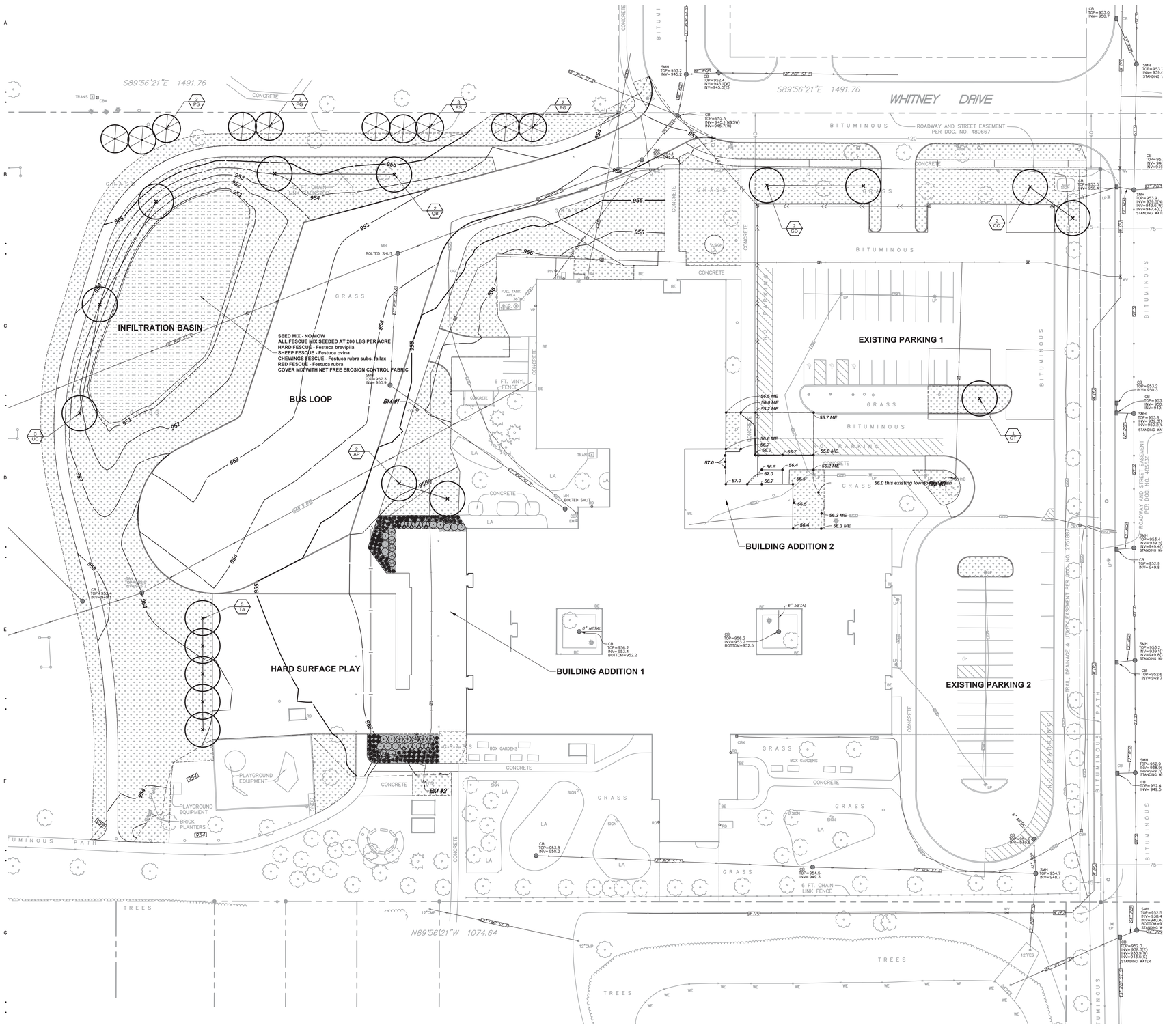
Comm:
Date:
Drawn:
Check: DAR

North

UTILITY & EROSION CONTROL PLAN

Scale: 1" = 30'

C1.51



NOTES:

1. REFER TO SHEET C1.41, GRADING PLAN, FOR GENERAL NOTES.
2. REFER TO SWPPP NARRATIVE FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
3. LANDSCAPE ARCHITECT MUST INSPECT AND APPROVE FINISH GRADING BEFORE CONTRACTOR PROCEEDS WITH SODDING AND SEEDING.
4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLIME SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SODDED OR SEEDED.
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.
7. BEGIN TURF ESTABLISHMENT IMMEDIATELY AFTER SODDING OR SEEDING, REFER TO SPECIFICATION FOR PROCEDURE.
8. ALL TREES TO BE BALLED AND BURLAPPED.
9. ALL TREES AND SHRUBS SHALL RECEIVE 4" DEPTH OF CLEAN SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED.
10. 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'.

LEGEND

- REFERENCE KEY TO SITE DETAILS (DETAIL I.D NUMBER (TOP), DETAIL SHEET NUMBER (BOTTOM))
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUBS
- PROPOSED HERBACEOUS PLANTS
- APPROXIMATE SOD LIMITS
- PROPOSED SEED MIX #1
- PROPOSED SEED MIX #2
- PROPOSED NATIVE SEEDING
- PROPOSED SHRUB / MULCH BED
- PROPOSED LANDSCAPE ROCK BED
- PROPOSED LIGHT POLE - REFER TO ELECTRICAL PLANS
- PROPERTY LINE

PLANT SCHEDULE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	ROOT
DECIDUOUS SHADE TREES				
AP	CRIMSON KING MAPLE	Acer platanoides 'Crimson King'	3" cal.	B&B
CO	HACKBERRY	Celtis occidentalis	3" cal.	B&B
GD	KENTUCKY ESPRESSO COFFEETREE	Gymnocladus diocius 'Espresso'	3" cal.	B&B
GT	SKYLINE HONEYLOCUST	Gleditsia triacanthos var. inermis 'Skycole'	3" cal.	B&B
QB	SWAMP WHITE OAK	Quercus bicolor	3" cal.	B&B
TA	REDMOND LINDEN	Tilia americana 'Redmond'	3" cal.	B&B
UC	NEW HORIZON ELM	Ulmus carpinifolia 'New Horizon'	3" cal.	B&B
CONIFEROUS TREES				
PG	BLACK HILLS SPRUCE	Picea glauca densata	8' Ht.	B&B
PS	SCOTCH PINE	Pinus sylvestris	8' Ht.	B&B
DECIDUOUS SHRUBS				
WV	TUXEDO WEIGELA	Weigela x 'Velda'	#5	Cont.
HA	ANNABELLE HYDRANGEA	Hydrangea arborescens 'Annabelle'	#5	Cont.
PS	SNOWBELLE MOCKORANGE	Philadelphus 'Snowbelle'	#5	Cont.
SP	BLOOMERANG LILAC	Syringa x 'Penda'	#5	Cont.
SS	SEM FALSESPIREA	Sorbia sorbifolia 'Sem'	#5	Cont.
CONIFEROUS SHRUBS				
TM	TAUNTON YEW	Taxus x media 'Taunton'	#5	Cont.
TO	MR. BOWLING BALL	Thuja occidentalis 'Bobazam'	#5	Cont.
PERENNIALS / GRASSES				
AN	NEW ENGLAND ASTER	Aster novae-angliae	#1	Cont.
AJ	DEUTSCHLAND ASTILBE	Astilbe japonica 'Deutschland'	#1	Cont.
AT	BUTTERFLY FLOWER	Asclepias tuberosa	#1	Cont.
CAB	CALAMAGROSTIS BRACHYTRICHA	Calamagrostis arundinacea var. brachytricha	#1	Cont.
CKF	KARL FOERSTER GRASS	Calamagrostis x acutiflora 'Karl Foerster'	#1	Cont.
HG	GOLD STANDARD HOSTA	Hosta 'Gold Standard'	#1	Cont.
HMB	MAUI BUTTERCUPS HOSTA	Hosta 'Maui Buttercups'	#1	Cont.
HR	RED RAZZMATAZZ DAYLILY	Hemerocallis 'Red Razzmatazz'	#1	Cont.
EC	CLEOPATRA CONEFLOWER	Echinacea Cleopatra	#1	Cont.
SC	CHERRY TRUFFLE SEDUM	Sedum 'Cherry Truffle'	#1	Cont.
SH	PRAIRIE DROPSEED	Sporobolus heterolepis	#1	Cont.
SNM	MAY NIGHT SALVIA	Salvia nemorosa 'Mainacht'	#1	Cont.

CEDAR PARK ELEMENTARY SCHOOL ADDITIONS

7500 WHITNEY DR,
APPLE VALLEY, MN 55124

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651.227.7773

ANDERSON - JOHNSON ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
7575 GOLDEN VALLEY ROAD • SUITE 200 • MINNEAPOLIS, MN 55427
FAX (763) 544-0531 PH (763) 544-7529

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 XX/XX/XX

Revisions		
Description	Date	Num

Comm: _____
Date: _____
Drawn: _____
Check: DAR

North

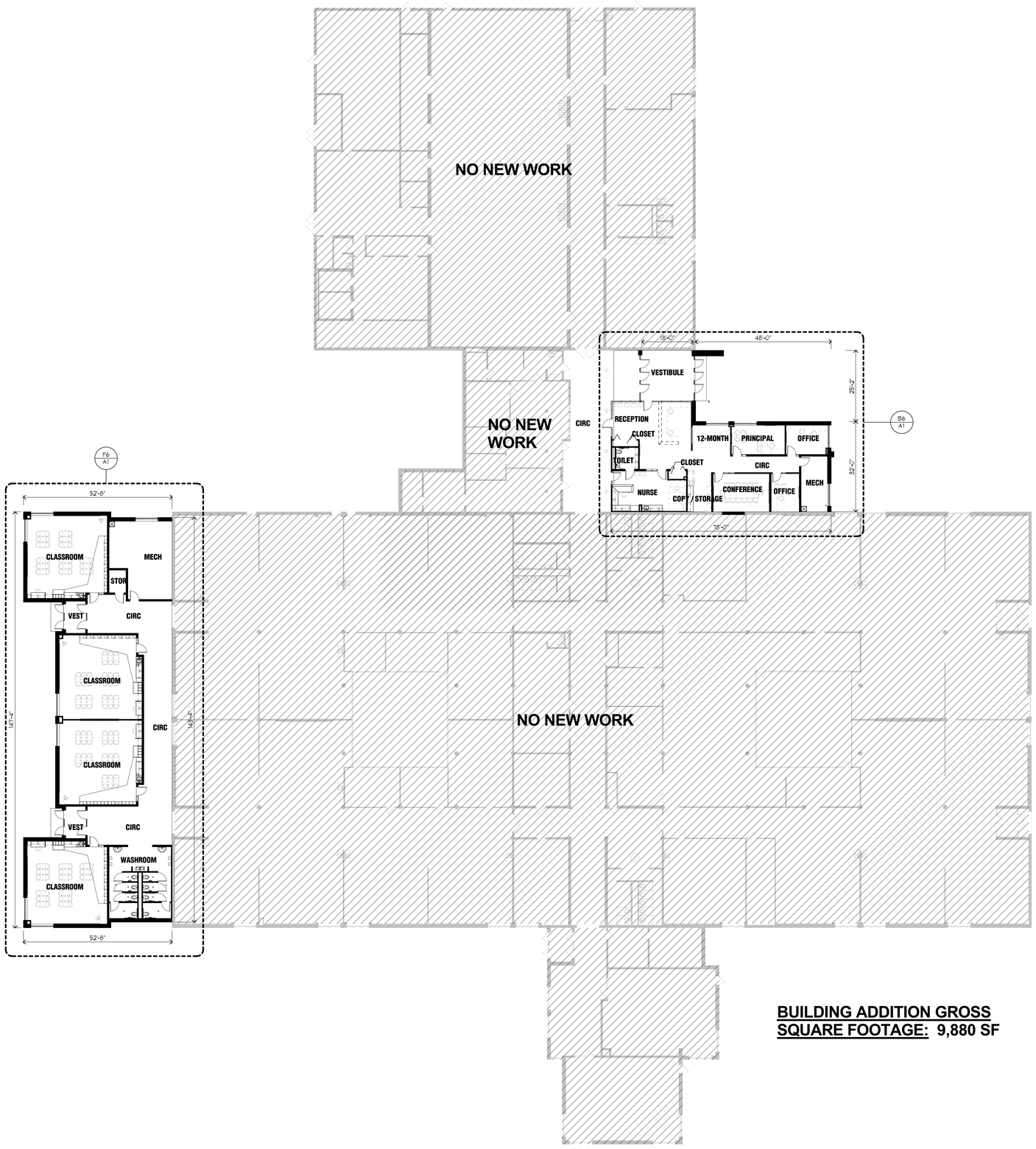
LANDSCAPING PLAN

Scale: 1" = 30'

NOT FOR CONSTRUCTION

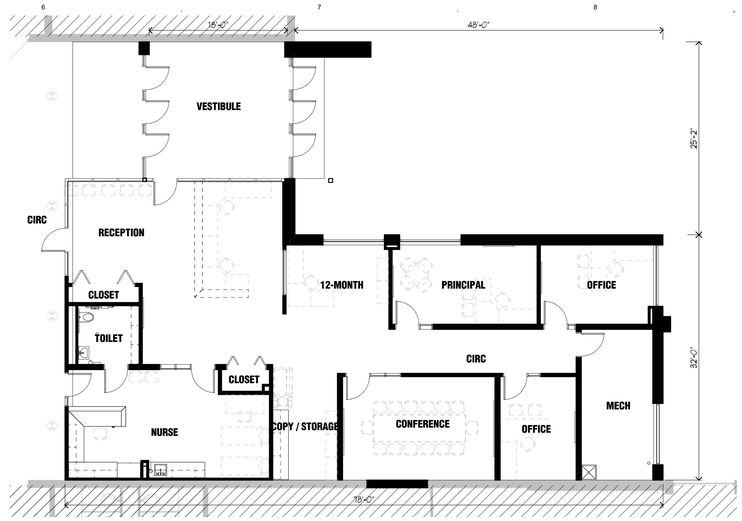
L1.11

MN

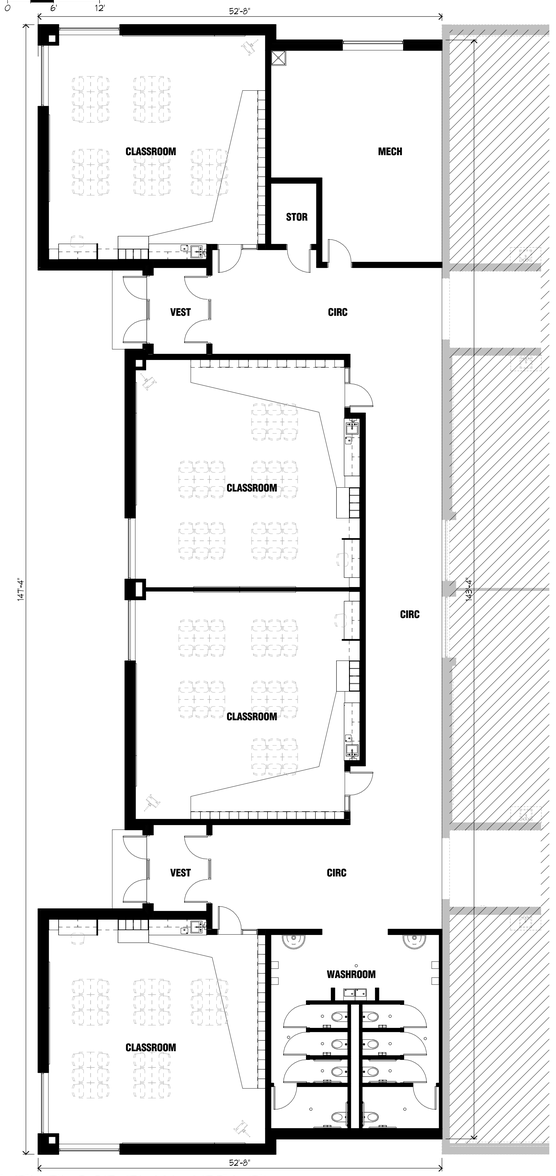


BUILDING ADDITION GROSS SQUARE FOOTAGE: 9,880 SF

F2 MAIN LEVEL FLOOR PLAN, OVERALL
1/16" = 1'-0"



B6 MAIN LEVEL FLOOR PLAN, AREA 'B'
1/8" = 1'-0"



F6 MAIN LEVEL FLOOR PLAN, AREA 'E'
1/8" = 1'-0"

NOT FOR CONSTRUCTION

A

C:\Users\RyanSchmidt\ODBC_DP-2147-1454_R19\A_ryan.rvt
Central Files\Projects\2017\2017-1454 Cedar Park Elementary 2017 Additions & Renovations\Revit\2017-1454_R19\A_ryan.rvt
8/23/2017 10:34:36 AM

CEDAR PARK ELEMENTARY 2017 IMPROVEMENTS
7500 WHITNEY DRIVE
APPLE VALLEY, MINNESOTA 55124

ISD #196: ROSEMOUNT - APPLE VALLEY - EAGAN PUBLIC SCHOOLS
3455 153RD STREET WEST
ROSEMOUNT, MINNESOTA 55068

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

WENCK
Responsive partner. Exceptional outcomes.
7500 Olson Memorial Highway, Suite 300
Golden Valley, MN 55427
wenck.com | 952 837 3308

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 **ARCHITECT** under the laws of the State of **MINNESOTA**

R. SCOTT MCQUEEN
License Number: **20155** Date

Revisions

Description	Date	Num

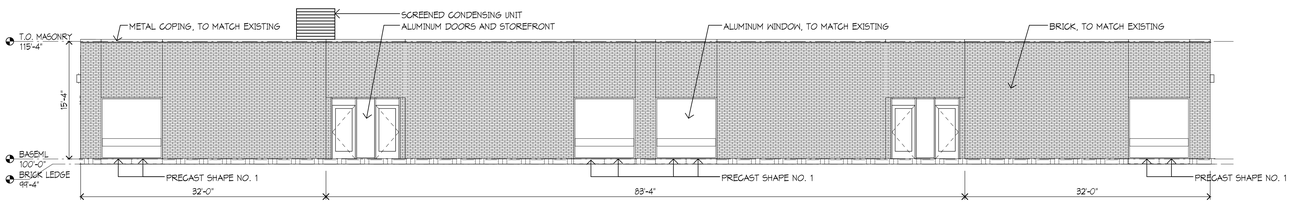
Comm: **152266**
Date:
Drawn:
Check:
North

FLOOR PLANS

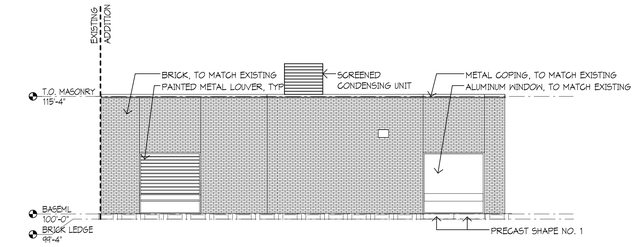
Scale: **As indicated**

A1

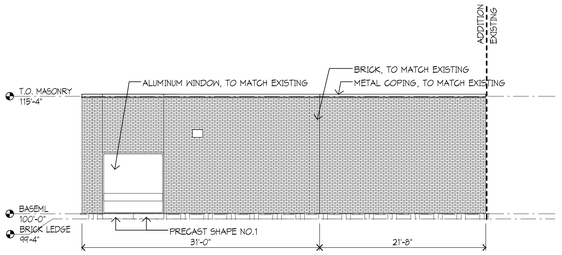
MN



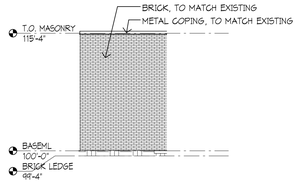
B1 WEST ELEVATION, AREA 'E'
1/8" = 1'-0"



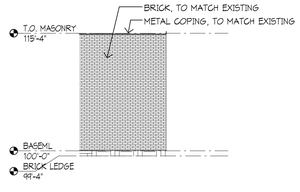
B6 NORTH ELEVATION, AREA 'E'
1/8" = 1'-0"



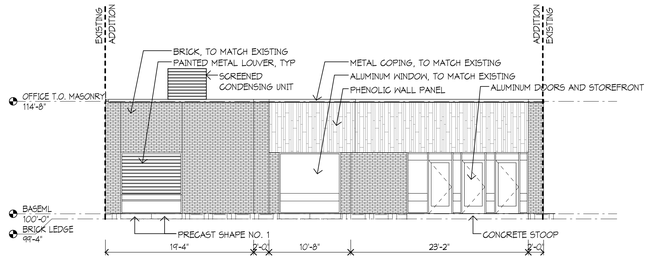
C1 SOUTH ELEVATION, AREA 'E'
1/8" = 1'-0"



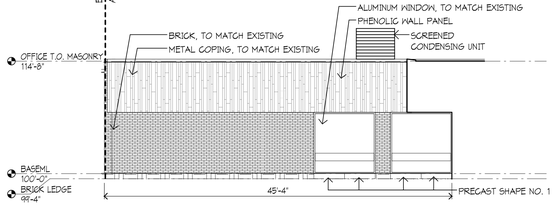
C3 SOUTH ELEVATION 2, AREA 'E'
1/8" = 1'-0"



C4 NORTH ELEVATION 2, AREA 'E'
1/8" = 1'-0"



C6 EAST ELEVATION, AREA 'B'
1/8" = 1'-0"



D1 NORTH ELEVATION, AREA 'B'
1/8" = 1'-0"

A

© Construction Documents 2016 - 2017 WOLD ARCHITECTS AND ENGINEERS
Owner may reproduce copies of this document for use by Owner for 152266 - 2017 Addition & Renovation
Cedar Park Elementary 2017 Improvements
Apple Valley, MN
02/23/2017 09:36:36 AM

CEDAR PARK ELEMENTARY 2017 IMPROVEMENTS

7500 WHITNEY DRIVE
APPLE VALLEY, MINNESOTA 55124

ISD #196: ROSEMOUNT - APPLE VALLEY - EAGAN PUBLIC SCHOOLS

3455 153RD STREET WEST
ROSEMOUNT, MINNESOTA 55068

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

woldae.com | 651 227 7773

WENCK
Responsive partner. Exceptional outcomes.
7500 Olson Memorial Highway, Suite 300
Golden Valley, MN 55427
wenck.com | 952 837 3308

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 **ARCHITECT** under the laws of the State of **MINNESOTA**

R. SCOTT MCQUEEN
License Number: **20155** Date

Revisions		
Description	Date	Num

Comm: **152266**
Date:
Drawn:
Check:

North

ELEVATIONS

Scale: **1/8" = 1'-0"**

NOT FOR CONSTRUCTION

A2