

EXHIBIT A

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 110 06, 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)

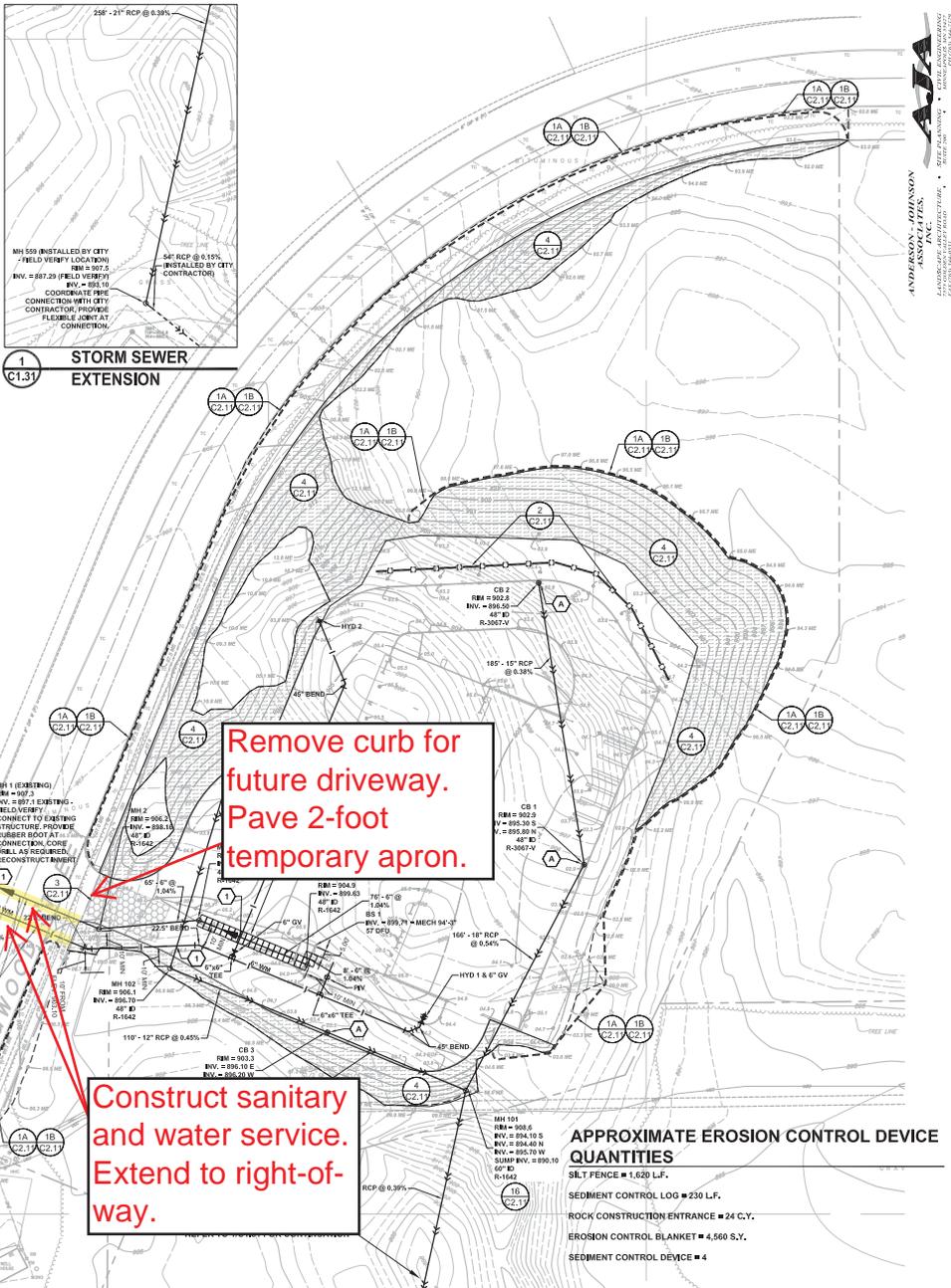
- A. Erosion Control Devices, noted herein include:
 1. Silt fence
 2. Sediment Control Device at storm sewer inlets
 3. Treatment log
 4. Rock construction entrance
 5. Rock check dams
 6. Filter strip
 7. Storm water treatment basins
 8. Temporary sediment basins
 9. Storm sewer systems
 10. Temporary outlet ditches
 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 the conditions, construction sequencing, or other items are different or require modification from the written SWPPP. Modifications to the SWPPP may be made upon approval of the Engineer.
 1. Initial protective fencing and barricading and installation of Plans.
 2. Construct Sediment Control Devices (SCDs) at existing storm sewer inlets (if bays around catch basins and all those under existing will not be acceptable). SCDs shall be installed and maintained at structures scheduled for removal and at those structures on removal.
 3. Install all fence (per site).
 4. Obtain all erosion control devices inspected by local authorities, as required by the local authority.
 5. Construct the rock construction entrances.
 6. Establish concrete curb and sidewalk areas and post with signs.
 7. Remove existing site features including tree removal and grubbing.
 8. Strip and stockpile topsoil. Provide temporary seed and mulch as described herein.
 9. Strip and stockpile topsoil in the area of the proposed building. Provide temporary seed and mulch on stockpile as described herein.
 10. Begin rough grading for the building pad.
 11. Design footings, foundations and slab construction for building.
 12. Complete the grading of the building pad area.
 13. Begin utility construction.
 14. Construct the sanitary sewer system.
 15. Construct permanent storm sewer system.
 16. Construct the watermain system.
 17. Construct Sediment Control Devices at proposed storm sewer inlets (if bays around castings and all fence under castings will not be acceptable).
 18. Begin rough grading of the paved areas.
 19. Gravel topsoil and thin grade the building areas. Provide temporary seeding and mulch.
 20. Rough and thin grade the substrate for parking lot and drives.
 21. Prepare walking areas for permanent seeding and sodding (permanent stabilization) in accordance with the specified seeding and sodding rates.
 22. Construct the silt and aggregate base course over paved areas. This will serve as temporary stabilization for the parking lots and drives.
 23. Construct curb and gutter and concrete walks. This will serve as permanent stabilization for the walk areas.
 24. Construct site fencing.
 25. Install lighting systems.
 26. Construct final bit of pavement for the parking and drive areas. This will serve as permanent stabilization for the parking lots and drives.
 27. Provide final bit of pavement and pavement markings.
 28. Provide final stabilization and cleanup of the site.
- D. Follow the review of the SWPPP plans commence with the following construction sequence:
 1. Install protective fencing and barricading and installation of Plans.
 2. Construct Sediment Control Devices (SCDs) at existing storm sewer inlets (if bays around catch basins and all those under existing will not be acceptable). SCDs shall be installed and maintained at structures scheduled for removal and at those structures on removal.
 3. Install all fence (per site).
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 27. Provide final bit of pavement and pavement markings.
 28. 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. Reinstall all sediment control devices that have been adjusted or removed to accommodate short-term activities, such as passage of construction vehicles or stockpiles, immediately after the short-term activity has been completed. All sediment control devices 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 over/undermined areas by the end of the next business day after discovery or as soon as field conditions allow access unless otherwise specified.
 2. All weather protection devices shall be inspected and repaired as needed. If the sediment reaches one-half (1/2) of the height of the device, those repairs must be made by the end of the next business day after discovery or as soon as field conditions allow access unless otherwise specified.
 3. Record inspection on log provided. Contractor's construction trailer or other suitable temporary storage area. All inspections and maintenance shall be recorded within 24 hours.
 - a. Record of work inspection and maintenance activity shall include:
 - (1) Date and time of inspection
 - (2) Name of person conducting inspection
 - (3) Findings of inspection, including recommendations for corrective actions
 - (4) If any discharge is observed to accompany daily 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, flow, turbidity, solids, suspended solids, foam, oil, grease, and other obvious indications of pollution). Photographs shall be taken and kept with the inspection log.
 - (5) Corrective actions including dates, times, and party conducting maintenance activities
 - (6) Date and amount of all rainfall events greater than one half inch (0.5 inch) in 24 hours. Rainfall amounts must be obtained by a properly maintained rain gauge located on-site, or a weather station that will be 1/4 mile or more from the site, or a weather reporting system that provides site specific rainfall data from radar summaries.
 - (7) Documentation of charges made to the SWPPP as required by the NPDES General Stormwater Permit for Construction Activity (MN 1100201).
 4. Inspections are not required where the ground is frozen. The required inspections and maintenance schedule must begin within 24 hours after travel occurs all the time 24 hours after resuming construction, will never occur first.
- H. 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, breaches, to see if fabric is securely attached to support posts or structure, and to see that posts and devices are securely deployed.
 - b. Silt fences, sediment logs, temporary berms, and erosion control devices at storm sewer inlets, and other erosion control devices shall be checked when sediment reaches 1/3 the height of the erosion control device, within 24 hours.
 - c. Rock construction entrances shall be inspected for digging of river rock, river rock that has become dislodged with sediment shall be removed and replaced with fresh river rock.
 - d. Berms or sediments to all erosion control devices shall occur within 24 hours of discovery.
 - e. Trackbed and/or 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 white accumulations of sediment. If sediment is present, it must be removed in a manner and at a frequency sufficient to mitigate slide impacts.
 - g. Removal of sediment and reestablishment 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).
- I. Provide decontaminating of excavations as identified in Section 31 00 00.
- J. Temporary Silt Stockpiles:
 1. Temporary silt stockpiles shall be placed in surface waters of the site, including surface conveyances such as curb and gutter, swales, or ditches.
 2. Install all stockpiles at the base of the temporary silt stockpile (fill sediment). Temporary silt stockpiles shall be seeded with temporary seed mix and hydromulch when stockpiles are left in place for seven (7) days. Note: this does not apply to aggregate stockpiles, clean rock, clean sand and other clean aggregates.
- K. Stockpile denuded areas (including stockpiles) within the following number of days of last construction activity (temporary or permanent) in that area:
 1. As soon as possible but no less than seven (7) days.
- L. Provide maintenance of all sodded areas as follows:
 1. Provide decontaminating 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, and storm sewer silt and structures).
- M. Remove all fences 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 stabilization (at least 90% vegetative cover), and
 2. Removal of all temporary erosion control measures (Silt fence, silt, and
 3. Final cleanup and maintenance of all permanent storm water features, and
 4. Completion of all maintenance activities and site cleanup.

NOTES

1. REFER TO SHEET C1.21, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
2. ALL WATERMAIN PIPE SHALL BE DP, CLASS 52. ALL WATERMAIN SHALL HAVE MINIMUM 8" BURY (TOP OF PIPE TO FINISH GRADE), DP SHALL BE ENCASED WITH POLYETHYLENE FLM CONFORMING TO ASTM D 1248-88B.
3. 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.
4. ALL STORM SEWER PIPE SHALL BE RCP, CLASS III (M/N), WITH FLEXIBLE WATERTIGHT JOINTS IN ACCORDANCE WITH ASTM C-361, UNLESS OTHERWISE NOTED.
5. FLEXIBLE JOINTS AT CATCH BASIN AND MANHOLE CONNECTIONS:
 - a. IN ACCORDANCE WITH MINNESOTA PLUMBING CODE, PROVIDE FLEXIBLE JOINTS AT ALL PIPE CONNECTIONS TO ALL CATCH BASINS AND MANHOLES.
 - b. ACCEPTABLE MANUFACTURERS / PRODUCTS:
 - I. FERROCON, "CONCRETE MANHOLE ADAPTORS" OR "LARGE-DIAMETER WATERSTOPS"
 - II. PRESSEAL, 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, DRAIN TILE 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. LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES, UTILITY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.
8. PRIOR TO CONSTRUCTION OF PROPOSED BUILDING UTILITY SERVICES (SANITARY SEWER, WATERMAIN), VERIFY ALL PROPOSED BUILDING UTILITY SERVICE PIPE SIZES, LOCATIONS AND ELEVATIONS WITH MECHANICAL PLANS, COORDINATE CONSTRUCTION AND CONNECTIONS WITH MECHANICAL CONTRACTOR.
9. CONTRACTOR SHALL STAKE LIMITS OF WALKS AND CURBING PRIOR TO INSTALLATION OF GATE VALVES AND MANHOLES. GATE VALVE AND MANHOLE LOCATIONS SHALL BE ADJUSTED TO AVOID PLACEMENT OF THESE STRUCTURES IN WALKS AND CURB AND GUTTER.
10. REFER TO SWPPP NARRATIVE (SECTION 01 89 13) FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
11. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAR 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 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. 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. WMCO TOP SLAB™ MODEL RD 27.
 - B. INFRASAFE® SEDIMENT CONTROL BARRIER, DISTRIBUTED BY ROYAL ENVIRONMENTAL SYSTEMS, INC. SIZE 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 BAGS® OR DANDY BAG II® DISTRIBUTED BY BROCK WHITE COMPANY, ST. PAUL, MN (615) 647-0620. DANDY BAG SHALL BE USED ONLY FOR CURB INLETS AFTER PAVEMENT FINISH 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 55037. DCD'S SHALL BE SIZED SPECIFICALLY FOR THE STRUCTURE AND CASTING SPECIFIED, PROVIDE FILTER BAGS AND TIES FOR COMPLETE INSTALLATION.
 - E. OR APPROVED EQUAL.

LEGEND

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| | REFERENCE KEY TO SITE DETAILS |
| | DETAIL SHEET NUMBER (TOP) |
| | DETAIL SHEET NUMBER (BOTTOM) |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | PROPOSED SPOT ELEVATION |
| | ME = MATCH EXISTING |
| | PROPOSED SANITARY SEWER |
| | PROPOSED STORM SEWER |
| | PROPOSED WATERMAIN |
| | PROPOSED MANHOLE (MH) |
| | PROPOSED CATCH BASIN (CB) |
| | PROPOSED HYDRANT (HYD) |
| | PROPOSED GATE VALVE (GV) |
| | PROPOSED POST INDICATOR VALVE (PIV) |
| | PROVIDE MINIMUM 18" VERTICAL SEPARATION AT CROSSING - PROVIDE VERTICAL BENDS IN WATERMAIN AS REQUIRED TO ACCOMPLISH |
| | SEDIMENT CONTROL DEVICE AT STORM SEWER INLET |
| | PROPOSED SILT FENCE WITH TOPSOIL BERM |
| | PROPOSED SEDIMENT CONTROL LOG |
| | PROPOSED ROCK CONSTRUCTION ENTRANCE |
| | PROPOSED EROSION CONTROL BLANKET |
| | PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS |
| | PROPERTY LINE |



ANDERSON & JOHNSON
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REGISTERED PROFESSIONAL ENGINEERS
11301 DOGWOOD ST NW
COON RAPIDS, MN 55448
612-309-6002
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MIKE KRAFT ARCHITECTS
1442 98TH LANE N.W.
COON RAPIDS, MN. 55433

ANOKA-HENNEPIN SCHOOLS
VEHICLE STORAGE BUILDING
ANOKA-HENNEPIN SCHOOL DISTRICT
11301 DOGWOOD ST NW
COON RAPIDS, MN 55448

UTILITY AND EROSION
AND SEDIMENT
CONTROL PLAN

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
40180 REG. NO. 520/2018 DATE

CHECKED BY DAR
DRAWN BY MLB
DATE 5/20/2016
PROJECT NO. 15095
SHEET NO. C1.31

APPROXIMATE EROSION CONTROL QUANTITIES
SILT FENCE # 1,620 L.F.
SEDIMENT CONTROL LOG # 230 L.F.
ROCK CONSTRUCTION ENTRANCE # 24 C.Y.
EROSION CONTROL BLANKET # 4,560 S.Y.
SEDIMENT CONTROL DEVICE # 4