1. Erosion and sediment control plan shall comply with requirements of Wind's and Article 5 and 7 of site construction regulations. Erosion and sediment control plan shall be in effect until the work is completed.

2. Contractor is to adhere to the erosion and sediment control plan issued by the city for the project. Inspection by Wind is required during construction.

3. Contractor is required to submit the project erosion and sediment control plan.

4. Project erosion and sediment control measures shall be maintained as necessary through the duration of the permit to be effective. If significant field changes are made, the agency in charge of the building/facility construction inspector, change field conditions, etc. Revised plans must be submitted for approval. The inspector in charge has the authority to require additional measures at any time and many causes. Failure to comply with the requirements may result in being effectiveness and may be issued a stop work notice. The building inspector may be issued pursuant to the Wind's erosion and sedimentation control plan.

5. The Village of Schaumburg shall stimulate, either with adapted erosion control or landscaping, prior to the final approval of the work as required.

EROSION CONTROL PLAN
MEASURE
Pace Nutc Ada Transfer Facility
Sequence of Construction Staging

Stage 1:
1. Disconnect and cap all utilities to Post Office Building.
2. Demolish portions of Canopies and Appurtenances.
3. Remove parking lot pavement and curbs and gutter.
4. Install precast concrete detention structures, appurtenances and storm sewer system pipe crossing the existing bus driveway shall be augered to avoid disruption to bus traffic.
5. Excavate existing detention basin, upon completion of detention structure.
6. Perform site grading and construct segmental concrete block retaining wall.
7. Complete construction of ADA Transfer Facility building and appurtenances and open for public and public use.
8. Perform remainder of site grading.
9. Construct remainder of HMA parking lot (except HMA surface course), curbs and gutter, and sidewalk.
10. Install remainder of lighting.
11. Install remainder of Fencing.
12. Begin constructing ADA Transfer Facility and appurtenances.

Stage 2:
1. Open new bus driveway entrance from Mall Drive.
2. Close and remove portion of existing bus driveway entrance from Kimberly Drive.
3. Complete constructing ADA Transfer Facility building and appurtenances.
4. Perform remainder of site grading.
5. Construct remainder of HMA parking lot (except HMA surface course), curbs and gutter, and sidewalk.
6. Install remainder of lighting.
7. Perform canopy painting.

Stage 3:
1. Pace to set-up temporary bus stops along Kimberly Drive.
2. Temporarily close new bus driveway entrance from Mall Drive.
3. Remove and replace portion of existing bus driveway.
4. Re-open new bus driveway entrance from Mall Drive.
5. Pace to remove temporary bus stops along Kimberly Drive.
6. Demolish existing maintenance and restroom building.
7. Place HMA surface course.
8. Place parking lot pavement markings and signing.
9. Place landscaping.
10. Open parking lot access driveway from Kimberly Drive.
NOTES:

1. THE LOCATIONS OF THE UTILITIES SHOWN ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. SEE NOTE #5 ON SHEET GD002.

2. ALL EXISTING UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.

3. UTILITY TRENCHES SHALL BE BACKFILLED WITH AGGREGATE TRENCH BACKFILL IN CONFORMANCE WITH DOT STANDARD SPECIFICATION SECTION 208.

4. WATER AND SEWER SERVICE FOR THE EXISTING BUILDING SHALL BE MAINTAINED UNTIL SERVICES TO THE NEW BUILDING ARE FUNCTIONING.
NOTES:

1. PROVIDE NEW SANITARY MANHOLE AND CONNECT NEW BUILDING SERVICE TO EXISTING SANITARY SEWER. SEE SHEET P100. REMOVE EXISTING SANITARY MANHOLE.

2. RE-RUTE EXISTING WATER MAIN AND CONNECT TO NEW BUILDING WATER SERVICE LINE. SEE SHEET P100.

3. CONNECT BUILDING ROOF DRAINS TO EXISTING CATCH BASIN. SEE SHEET P100.

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DRAINAGE & UTILITY PLAN FULL SITE
PACE SUBURBAN BUS NORTHWEST TRANSPORTATION CENTER
NEW ADA TRANSFER FACILITY
FASO KIMBERLY DRIVE
SCHAUMBURG, IL 60173

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Pace Engineering Corporation
Engineers - Architects
300 S. Wacker Drive
Chicago, IL 60606
www.GEC-GROUP.com
312-922-6400

LOBETROTTERS ENGINEERING CORPORATION
ENGINEERS - ARCHITECTS
300 S. WACKER DRIVE
CHICAGO, IL 60606
WWW.GEC-GROUP.COM
312-922-6400
1. For utility information see sheets C102 and P100.
2. For additional site details see sheet A110.
NOT TO SCALE

50% VC (VA) / 50% DET VOL

CA-7 POROUS GRANULAR BACKFILL
SEASONALLY HIGH GROUNDWATER LEVEL (NOT DETECTED)

100% DET VOL

VC HWL 722.33

NATIVE SOIL

STORAGE VAULT OUTLET

DET HWL 727.00

100% VC (VD)

PARKING LOT GROUND ELEVATION

100% VC (VD) AT 0.36 POROSITY

INLET

50% VC (VA) / 50% DET VOL

100% DET VOL

VC (VD)

EXISTING 24" RCP INVERT=721.53

2' IN SEPARATE SEWER AREAS

TOTAL DEPTH

STORAGE VOLUME

1.00 X 0.50 X VA

0.36 X VD

VA: VAULT STORAGE (BELOW THE OUTLET)

VD: COARSE AGGREGATE (BELOW U.D. INVERT)

POROSITY

1.00

0.36

VOLUME PROVIDED

0.50 X 0.36 X VB

VB: COARSE AGGREGATE (ABOVE U.D. INVERT)

VOLUME CONTROL SUMMARY

VOLUME TYPE

4" UNDERDRAIN (SPECIAL) (IDOT STD. 601001)

DRAINAGE HOLES

PAD PER MANUFACTURER'S SPECIFICATIONS (OPTIONAL)

GEOTEXTILE FABRIC (SIDES ONLY)

5' DEEP STORAGE UNIT

MAINTENANCE ACCESS

SEDIMENT BASIN

50% VC (VB)

50% DET VOL

0.36 POROSITY

0% VC

100% DET VOL

0.36 POROSITY

100% VC (VD)

0% DET VOL

0.36 POROSITY

STONE STORAGE

INV.=723.00

INVERT VARIES

4" 8" 8" 12" 4"

24" EQUALIZER PIPE

1,077 CU FT

2,958 CU FT

309 CU FT

523 CU FT

4,867 CU FT

TOTAL

STORAGE VOLUME

1.00 X 0.50 X VA

0.36 X VD

VA: VAULT STORAGE (BELOW THE OUTLET)

VD: COARSE AGGREGATE (BELOW U.D. INVERT)

POROSITY

1.00

0.36

VOLUME PROVIDED

0.50 X 0.36 X VB

VB: COARSE AGGREGATE (ABOVE U.D. INVERT)

DETENTION SUMMARY

VOLUME TYPE

8" N/A

4" 1,077 CU FT

N/A

5,666 CU FT

25,943 CU FT

¹

1.00 X 0.50

100 % VAULT STORAGE (ABOVE THE OUTLET)

1.00

4'-0"

19,200 CU FT

NOTES:

1. THE TOTAL DETENTION VOLUME INCLUDES THE VOLUME FROM DETENTION POND 1 (11,674 CU FT), RELOCATED TO THE PROPOSED UNDERGROUND DETENTION STORAGE FACILITY AS PART OF THIS IMPROVEMENT.

INV.=722.04 NORTH VAULTS, 722.00 SOUTH VAULTS

INV.=720.5 +/- 3' MIN.

732

4:1 MAX.

4:1 MAX.

4:1 MAX.

COMPACTED SUBGRADE

OVERFLOW ELEVATION

NOTES:

1. FINISHED FLOOR ELEVATIONS OF ADJACENT STRUCTURE SHALL BE ELEVATED AT LEAST ONE FOOT ABOVE LOW 100-YEAR WATER SURFACE ELEVATION THROUGH OVERFLOW WEIR.

2. WOVEN GEOTEXTILE FABRIC SHALL MEET OR EXCEED STANDARDS OF IUM MATERIAL SPECIFICATION 592, TABLE 1, CLASS I, II, OR III.

1.5% SLOPE

4:1 SLOPE

TOP/BERM ELEVATION 731.38

3' MIN.

100-YR HWL 730.38

OVERFLOW ELEVATION 730.38

731

27'

1' FREE BOARD

731.38

1' FREE BOARD

731

730.38

27'

4:1 SLOPE

TOP/BERM ELEV.

731.38

1' FREE BOARD

731.38

730.38

TOP/BERM ELEV.

27'

4:1 SLOPE

NOTE:

LATE MUST BE CURVED TO MATCH INSIDE RADIUS OF THE MANHOLE/ CATCH BASIN

ANCHOR EMBEDMENT SHALL BE 3" MIN. PERMANENTLY SECURE TO PLATE

PLATE RESTRICTOR DETAIL: SECTION

ORIFICE HOLE (3"x5" RECTANGULAR) IN PLATE

SEAL AROUND THE PLATE WITH EPOXY SEALANT

1/4" X 16" X 16" CENTERED ON OUTLET

PLATE PIPE

OUTLET PIPE

ANCHOR PLATE RESTRICTOR DETAIL: ELEVATION

PLAN VIEW

OUTLET PIPE

PLATE RESTRICTOR DETAIL: SECTION

PLATE RESTRICTOR DETAIL: ELEVATION

NOTES:

1. FOR LOCATION OF RESTRICTOR PLATE AT NW CORNER OF PAVING OR AND ACCESSIBLE  SEE SHEET C201.

22" MIN. OF MARTINGALE DR. AND KIMBERLY DR. SEE SHEET C102.

Pacing SUBURBAN BUS NORTHWEST TRANSPORTATION CENTER

NEW ADA TRANSFER FACILITY

F/10 KIMBERLY DRIVE

SCHOLLBROOK, IL 60173
STANDARD 701606-10
URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

GENERAL NOTES

STANDARD 701901-07
TRAFFIC CONTROL DEVICES

CONE FOR DAYTIME
REFLECTORIZED CONE FOR NIGHTTIME
TUBULAR MARKER
VERTICAL PANEL
TYPE I BARRICADE
TYPE II BARRICADE
TYPE III BARRICADE
DIRECTION INDICATOR BARRICADE
DRUM
VERTICAL BARRICADE
DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

lobetrotters Engineering Corporation
300 S. Wacker Drive
Chicago, IL 60606
www.GEC-GROUP.com
312-922-6400
Village of Schaumburg

ENGINEERS - ARCHITECTS
300 S. Wacker Drive
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312-922-6400

Village of Schaumburg

6. All work conducted on a project area shall be enclosed with a two-foot trench with a top-off width of 20 feet extending over the trench. sidewalls shall be braced in the same manner using these #5 rebar.
7. All water and sewer main construction shall be in accordance with the "Standard Specifications for Water and Sewer Main Construction in Illinois" latest edition.
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TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF
SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS.

1. THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND
APPROVAL. THE CONTRACTOR SHALL SO NOTIFY THE DISTRICT PRIOR TO PURCHASE AND SUBMIT...

2. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A
PERMITTED LOCATION INDICATED ON THE PLANS.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL
PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED FOLLOWING THE COMPLETION OF
SOIL DISTURBING ACTIVITIES.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE POSTED ON THE
SITE INSPECTOR, OR MWRD.

5. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS.

6. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS
ON THE APPROVED SEWER DESIGN SHEETS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE
INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES.

8. THE CONSTRUCTION ADEQUATELY PROTECTS FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED
AND PROPERLY INSTALLED:"