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DEERPATH PARK: Dragon Area/Kids Castle Playground

299 Onwentsia Rd. Vernon Hills, IL 60061

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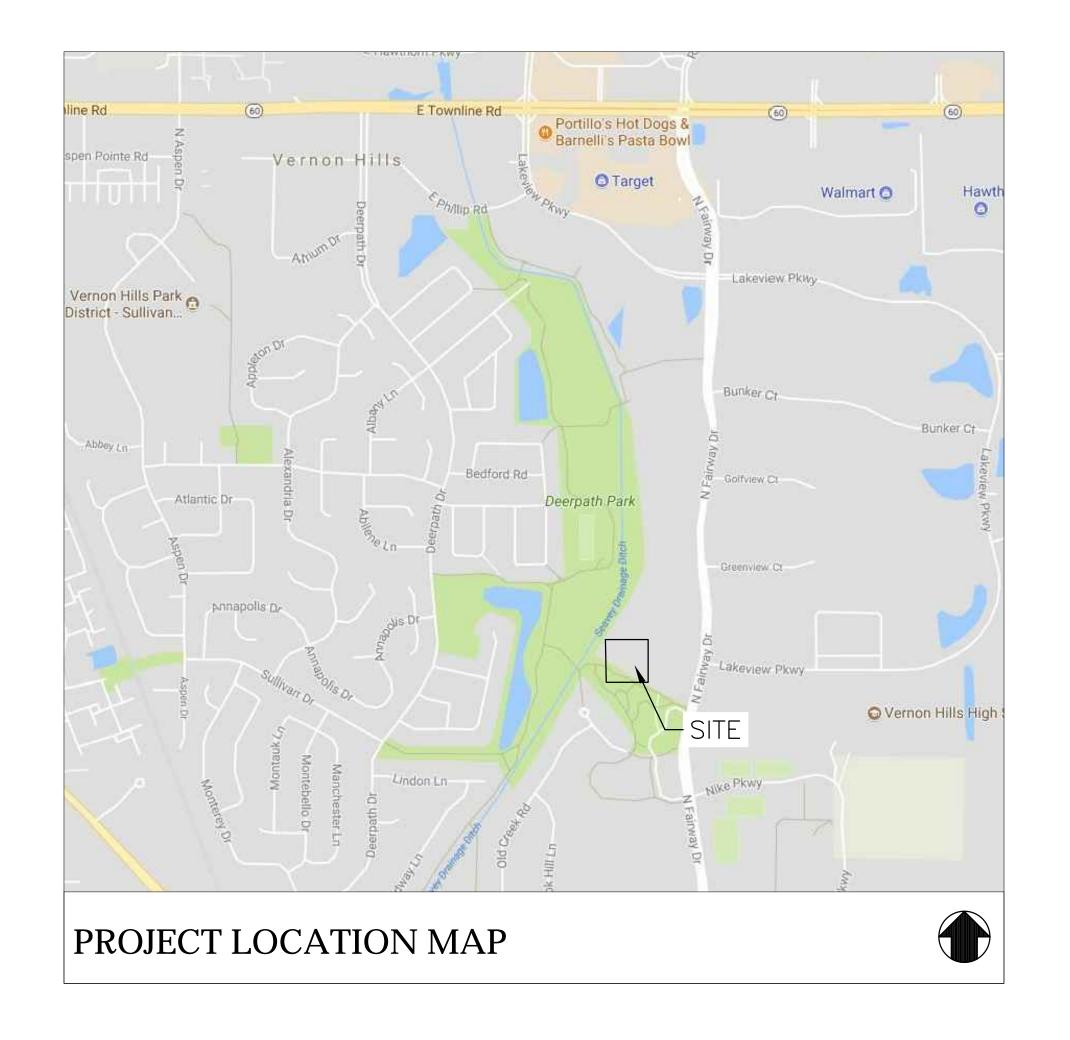
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LANDSCAPE PLAN

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#### **GENERAL NOTES:**

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY AND ALL WAYS, MEANS AND METHODS OF CONSTRUCTION.
- 2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL AGENCY CODES, STANDARDS AND SPECIFICATIONS.
- 3. CONTRACTOR SHALL OBTAIN ALL NECESSARY SITE PERMITS AND LICENSES FROM THE APPLICABLE GOVERNING AUTHORITIES. CONTRACTOR MUST HAVE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (SMC) PERMIT PRIOR TO CONSTRUCTION START.
- 4. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST STATE AND LOCAL GOVERNMENT CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- 5. UNLESS OTHERWISE NOTED ON THE PLANS, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND LAKE COUNTY SMC A MINIMUM OF FORTY—EIGHT (48) HOURS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS AND TO SCHEDULE ANY REQUIRED SITE INSPECTIONS WITH LAKE COUNTY SMC.
- 6. CONTRACTOR SHALL SCHEDULE A UTILITY LOCATING SERVICE AND/OR NOTIFY ALL UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) AND THE LOCAL MUNICIPALITY TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ORDER TO AVOID POTENTIAL CONFLICTS. IT IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER INDICATED ON THE PLANS OR NOT AND TO HAVE THESE UTILITIES STAKED PRIOR TO CONSTRUCTION. ANY NECESSARY RELOCATIONS OR REMOVALS OF EXISTING UTILITY LINES SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER / LANDSCAPE ARCHITECT.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE UTILITY OWNER / LANDSCAPE ARCHITECT.
- 8. ALL EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS—OF—WAY ARE SHOWN ON THE PLANS PREPARED BY THE SURVEYOR ACCORDING TO INFORMATION AVAILABLE FROM PUBLIC RECORDS OR VISIBLE FIELD MARKINGS. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT SO THE CONFLICT MAY BE RESOLVED.
- 9. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, COORDINATES AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES SO THE CONFLICT MAY BE RESOLVED.
- 10. ALL PROPERTY MARKERS AND SURVEY REFERENCE MARKERS SHALL BE CAREFULLY PRESERVED DURING CONSTRUCTION UNTIL THEIR LOCATION HAS BEEN WITNESSED OR OTHERWISE TIED IN BY AN AUTHORIZED AGENT OR PROFESSIONALLY LICENSED SURVEYOR.
- 11. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS ABUT THE PARK AND ADJACENT HOMES.
- 12. ALL AREAS DISTURBED BY THE GENERAL CONTRACTOR OR SUB-CONTRACTORS SHALL BE RETURNED TO THE ORIGINAL CONDITION OR BETTER, EXCEPT WHERE PROPOSED CONSTRUCTION IS INDICATED ON THE PLANS.
- 13. PRIOR TO INITIAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL GUARANTEE HIS WORK FOR A PERIOD OF 12 (TWELVE) MONTHS FROM THE DATE OF SUBSTANTIAL COMPLETION AND SHALL BE HELD RESPONSIBLE FOR ANY DEFECTS IN MATERIAL OR WORKMANSHIP OF THIS WORK DURING THAT PERIOD AND UNTIL FINAL ACCEPTANCE IS MADE BY THE LANDSCAPE ARCHITECT.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE WORKING CONDITIONS THROUGHOUT THE DURATION OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- 15. CONTRACTOR SHALL KEEP THE PUBLIC STREET AND PATHS PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS AT THE END OF EACH WORKING DAY. MUD AND DEBRIS LEFT ON THE STREETS AND PATHS NOT CLEANED AND POWER—WASHED BY THE CONTRACTOR WILL BE UNDERTAKEN BY THE OWNER AND BACK—CHARGED TO THE CONTRACTOR.
- 16. ALL CONSTRUCTION STAKING, SCHEDULING AND PAYMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 17. CONSTRUCTION GATE TO BE LOCKED AT THE CLOSE OF EACH DAY. ALL EQUIPMENT REMAINING ON SITE SHOULD BE LOCKED AND KEYS REMOVED. ANYTHING LEFT ON SITE IS AT THE RISK OF THE CONTRACTOR.
- 18. THE DRAGON HEAD AND TUNNEL WILL BE DELIVERED TO THE PARK DISTRICT AND STORED AT THEIR MAINTENANCE FACILITY AT 1400 INDIANWOOD DRIVE, VERNON HILLS, IL.

#### **DEMOLITION PLAN GENERAL NOTES:**

- 1. THE CONTRACTOR SHALL PROVIDE MIN. 6' CHAIN LINK SAFETY FENCE FOR SITE PROTECTION AND/OR OTHER BARRIERS NECESSARY TO KEEP PARK USERS FROM ENTERING WORK AREAS. SAFETY FENCE SHALL ALSO BE USED AROUND EXISTING TREES WHICH ARE NEAR CONSTRUCTION AREAS. USE WOODEN SNOW FENCE FOR TREE PROTECTION. FENCE DIAMETER AT TREES SHALL EQUAL THE DIAMETER OF THE CROWN SHOWN ON THE PLAN OR DRIPLINE WHICHEVER IS GREATER. USE STANDARD LANDSCAPE ARCHITECTS SCALE TO DETERMINE APPROPRIATE LENGTHS/DIAMETER OF FENCE. SEE EXISTING CONDITIONS/DEMOLITION PLAN FOR APPROXIMATE LOCATION OF SAFETY FENCE.
- 2. ALL ITEMS DESIGNATED FOR REMOVAL SHALL BE DISPOSED OF OFF SITE IN A LEGAL AND ACCEPTABLE MANNER AND AS OTHERWISE SPECIFIED IN THE DRAWINGS OR BY THE LANDSCAPE ARCHITECT.
- 3. TAKE SPECIAL CARE TO CHECK THE SITE PERIODICALLY AS NOT TO LEAVE OPEN EXCAVATIONS OR PROTRUDING OBJECTS WHICH CAN BE HARMFUL TO PARK USERS.
- 4. ALL AREAS SHOWN TO BE REGRADED SHALL HAVE ALL TURF AND TOPSOIL REMOVED (EXCEPT WITHIN DRIPLINE OF TREES). SEE PLAN.
- 5. REMOVED PAVEMENTS, SIDEWALKS, CURBS, TREES AND STUMPS SHALL BE DISPOSED OF LEGALLY OFFSITE AT LOCATIONS DETERMINED BY THE CONTRACTOR.

#### CONSTRUCTION PLAN GENERAL NOTES:

- 1. THE WORK INVOLVED IN CONNECTING PROPOSED STORM SEWERS TO EXISTING MANHOLES OR CONSTRUCTING PROPOSED MANHOLES OVER EXISTING STORM SEWERS OR RECONNECTING EXISTING STORM LATERALS TO PROPOSED STORM SEWERS SHALL BE PAID FOR AT THE CONTRACT BID PRICE FOR THE ITEM BEING CONSTRUCTED.
- 2. SAWING OF REMOVAL ITEMS AS NOTED OR IMPLIED ON THE PLANS SPECIFIED AS REQUIRED BY THE LANDSCAPE ARCHITECT SHALL BE CONSIDERED TO BE INCIDENTAL TO THE COST OF THE ITEM BEING REMOVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- 3. EXISTING TOPOGRAPHY AND SPOT ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT. PROPOSED GROUND ELEVATIONS MAY BE REVISED TO MEET FIELD CONDITIONS.
- 4. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
- 5. DEBRIS DEPOSITED IN THE FLOW OF ANY STRUCTURES SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CLOSE OF CONSTRUCTION OPERATIONS, ALL STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
- 6. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. WORK OUTSIDE THESE LIMITS WILL NOT BE PAID FOR UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT.
- 7. ALL FRAMES AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 8. NO CONCRETE SHALL BE INSTALLED UNTIL THE FORMS HAVE BEEN INSPECTED FOR LINE, GRADE AND SUBGRADE CONDITIONS BY THE LANDSCAPE ARCHITECT IT IS REQUIRED THAT THE INSPECTIONS BE ARRANGED FOR AT LEAST 24 HOURS IN ADVANCE OF THE CONCRETE PLACEMENT.
- 9. VERTICAL ELEVATIONS SHOWN ARE ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1988, UNLESS OTHERWISE NOTED.
- 10. ELECTRICAL TRENCHES AND SUBSEQUENT GRAVEL PAVEMENT AND TURF REPAIR ARE NOT SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE SUCH EXCAVATION, BACKFILL, AND COMPACTION AND GRAVEL PAVEMENT RESTORATION IN HIS PRICE FOR ELECTRICAL WORK.
- 11. SIDEWALK RAMPS AND/OR DEPRESSED CURBS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. SIDEWALK RAMPS AND/OR DEPRESSED CURBS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE STATE STANDARDS, THE DETAILS SHOWN, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- 12. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, WALKS OR TURF UNLESS OTHERWISE INDICATED.
- 13. A SMOOTH TRANSITION SHALL BE EFFECTED BETWEEN NEW AND EXISTING CONSTRUCTION, DIFFERENT PHASES OF CONSTRUCTION, AND TEMPORARY CONSTRUCTION.
- 14. ELEVATIONS OF SEWER LINES AND THEIR LOCATIONS WILL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS. PROPOSED DRAINAGE ELEVATIONS AND GRADES MAY BE REVISED TO MEET FIELD CONDITIONS.

# 16. EXISTING SITE UTILITIES, SUCH AS VALVES, SANITARY AND STORM CASTINGS, AND HYDRANTS, ETC. SHALL BE ADJUSTED TO THE ELEVATION OF THE FINISHED GROUND SURFACE. THE CONTRACTOR SHALL EXERCISE CARE IN GRADING AND ANY DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

- 17. ALL TURF AND PLANTING AREAS SHALL DRAIN COMPLETELY AND NOT POND NOR PUDDLE. PROVIDE 6" OF BLACK TOPSOIL IN ALL AREAS WHICH HAVE BEEN REGRADED OR DISTRIBUTED DURING CONSTRUCTION.
- 18. THE LANDSCAPE ARCHITECT SHALL REVIEW ALL HARD SURFACE PAVEMENT ELEVATIONS PRIOR TO CONSTRUCTION. GIVE LANDSCAPE ARCHITECT 24 HOURS NOTICE. ALL HARD SURFACE PAVEMENTS SHALL DRAIN COMPLETELY AT 1.0% MIN. SLOPE (UNLESS OTHERWISE SPECIFIED).
- 19. THE CONTRACTOR SHALL EXCAVATE, BACKFILL, COMPACT, GRADE AND SHAPE THE SUBGRADE AS DEPICTED IN THE PLAN. HE SHALL NOT EXPORT SUBSOIL, BUT REVISE ON SITE WHEN REQUIRED, REVIEW LOCATIONS WITH THE LANDSCAPE ARCHITECT.
- 20. ALL EXCAVATED TOPSOIL SHALL BE RE-USED BY THE CONTRACTOR FOR RESPREADING BENEATH BERMS AND LANDFORMS OR OTHER LANDSCAPE AREAS. IF CONSTRUCTION YIELDS ADDITIONAL TOPSOIL, IT SHALL BE STOCKPILED ON SITE IN AN AREA DESIGNATED BY THE LANDSCAPE ARCHITECT.
- 21. WHEN EXCAVATING, BACKFILLING, OR GRADING BENEATH TREE DRIPLINE, REVIEW ALL PROPOSED WORK WITH THE LANDSCAPE ARCHITECT.
- 22. FINISHED GRADE ELEVATIONS IN TURF AND LANDSCAPED AREAS SHALL BE APPROXIMATELY 2" ABOVE ADJACENT PAVEMENTS, CURBS, ETC. TO ALLOW FOR SETTLEMENT.
- 23. ALL STORM SEWER LATERALS WILL BE CONSTRUCTED AT A MINIMUM SLOPE OF 0.45 PERCENT UNLESS OTHERWISE NOTED ON PLANS.
- 24. EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF LEGALLY OFFSITE OR AS DIRECTED BY THE PROJECT REPRESENTATIVE IN THE FIELD.
- 25. ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE SOIL REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH AND PERFORMED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
- 26. ON AND OFFSITE PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
- 27. CONTRACTOR SHALL PROVIDE SMOOTH VERTICAL CURVES THROUGH THE HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS ON THE PLANS. CONTRACTOR SHALL PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES AND AVOID ANY RIDGES AND/OR DEPRESSIONS.
- 28. SITE GRADING AND CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE AND MATCH EXISTING GRADES FLUSH.
- 29. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.

#### STORM SEWER NOTES:

- 1. ALL STORM SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE NOTES IN THE PLANS AND THE STANDARDS, SPECIFICATIONS, CODES AND ORDINANCES OF THE LOCAL GOVERNING AUTHORITIES. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
- 2. STORM SEWER PIPE AND STRUCTURES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH LOCAL REQUIREMENTS AND SPECIFICATIONS.
- 3. HDPE STORM SEWER PIPE SHALL BE HIGH DENSITY POLYETHYLENE PIPE PER ASTM F2306 WITH WATERTIGHT JOINTS CONFORMING TO ASTM D3212.
- 4. PVC STORM SEWER PIPE SHALL BE POLYVINYL CHLORIDE SDR 35 PIPE PER ASTM D3034 WITH WATERTIGHT JOINTS CONFORMING TO ASTM D3212, UNLESS OTHERWISE NOTED.
- 5. REQUIRED STORM STRUCTURE RIM ADJUSTMENTS SHALL BE MADE WITH PRECAST CONCRETE ADJUSTING RINGS NOT TO EXCEED A MAXIMUM OF EIGHT (8) INCHES IN OVERALL HEIGHT. A MAXIMUM OF TWO (2) ADJUSTING RINGS ARE ALLOWED. BUTYLROPE JOINT SEALANT SHALL BE USED ON ALL JOINTS BETWEEN THE PRECAST ELEMENTS.

#### DIMENSION PLAN GENERAL NOTES:

- A) ALL FEATURES, CURBS, PAVEMENTS, AND WALLS SHALL BE LAID OUT AND PAINTED OR OTHERWISE MARKED IN THE FIELD BY THE CONTRACTOR AND VERIFIED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- B) ALL CONCRETE CURVES SHALL BE SMOOTH AND CONTINUOUS AS SHOWN IN THE DRAWINGS. SHARP BENDS OR KINKS IN THE PAVEMENT SHALL BE REMOVED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- C) ALL CONCRETE SCORING SHALL FOLLOW A 5' MODULE OR AS SHOWN IN THE DRAWINGS. ALL EXPANSION JOINTS IN FLATWORK OR CURBS SHALL BE LOCATED AT 30' INTERVALS OR AS SHOWN. NO SAWCUT JOINTS WILL BE PERMITTED, TROWEL ONLY. SEE SPECIFICATIONS.
- D) UNLESS OTHERWISE NOTED, ALL CURB AND PAVEMENT ANGLES SHALL BE CONSTRUCTED AT 90 DEGREE OR 45 DEGREE ANGLES.
- E) ALL PROPOSED RADII DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

#### LANDSCAPE GENERAL NOTES:

- A) THE LANDSCAPE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS AND DIRECTIONS OF THE SPECIFICATIONS.
- B) THE LANDSCAPE CONTRACTOR SHALL PROTECT ALL WORK FROM DAMAGE BY OTHER UNTIL THE WORK IS COMPLETE AND ACCEPTED BY THE TOWN.
- C) THE LANDSCAPE CONTRACTOR SHALL VERIFY SPOT ELEVATIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK.
- D) THE LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
- E) THE CONTRACTOR SHALL AVOID ALL EXISTING UTILITIES—UNDERGROUND AND OVERHEAD WHERE APPLICABLE. WHERE UNDERGROUND UTILITIES EXISTS, FIELD ADJUSTMENTS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE CONTRACTORS ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL.
- F) ALL PLANT MATERIALS SHALL CONFORM TO THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, 230 SOUTHERN BUILDING, WASHINGTON D.C. 20005 (ANSI Z60.1).
- G) ALL PLANTS OF THE SAME SPECIES SHALL BE OBTAINED FROM THE SAME NURSERY SOURCE.
- H) THE LANDSCAPE CONTRACTOR SHALL STAKE THE LOCATION OF ALL TREES AND OTHER LANDSCAPE FEATURES FOR APPROVAL BY THE LANDSCAPE ARCHITECT AND SHALL CHECK FOR CORRECT SPACING BEFORE PLANTING.
- THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO THE LANDSCAPE ARCHITECT AS EACH PHASE OF WORK IS UNDERTAKEN PRIOR TO PLANTING OPERATIONS SO THAT THE LANDSCAPE ARCHITECT CAN BE PRESENT TO VERIFY PLANTS IMMEDIATELY PRIOR TO PLANTING. IF NOTICE IS NOT GIVEN BY THE CONTRACTOR, HE SHALL REMOVE/REPLACE PLANTS AS DIRECTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL EXPENSE TO THE OWNER.
- K) PLANT TREES AND SHRUBS AFTER THE FINAL GRADES HAVE BEEN ESTABLISHED AND PRIOR TO THE PLANTING OF LAWNS UNLESS OTHERWISE ACCEPTABLE TO THE OWNER. IF PLANTING OF TREES OCCURS AFTER LAWN WORK, THE LANDSCAPE CONTRACTOR SHALL PROTECT LAWN AREAS AND PROMPTLY REPAIR DAMAGED LAWN RESULTING FROM PLANTING OPERATIONS.
- L) ALL PLANT MATERIAL SHALL BEAR THE SAME RELATIONSHIP TO THE NEW GRADE AS IT BORE TO THE GRADE AT THE NURSERY.

- K) PRUNE BROKEN OR CROSS BRANCHING AT THE TIME OF PLANTING. DO NOT REMOVE LEADER.
- L) FOR TREES PLANTED IN TURF AREAS, THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 6'-0" DIA. SHREDDED HARDWOOD BARK MULCH RING (REMOVE EXISTING TURF) AT A MINIMUM OF 3" THICK (AFTER SETTLEMENT) WITH A CULTIVATED EDGE AT THE BASE OF EACH TREE. MULCH SHALL BE PLACED WITHIN TWO (2) DAYS AFTER TREES ARE PLANTED. THIS SHALL BE CONSIDERED INCIDENTAL TO TREE PLANTINGS. INCLUDE TERRA—SORB HYDROGEL CRYSTALS WITH PLANTING MIX.
- M) TREES SHALL BE SET IN TRUE, VERTICAL ALIGNMENT AFTER PLANTING.
- N) ALL PLANTS SHALL BE PLANTED PER THE LANDSCAPE PLAN AND SPECIFICATIONS.
  PLANTINGS NOT FOUND TO BE IN COMPLIANCE SHALL BE REPLANTED CORRECTLY
  AT NO ADDITIONAL EXPENSE TO THE OWNER.
- O) ADJUST SHRUB, PERENNIAL, AND GROUNDCOVER SPACING AS NECESSARY TO EVENLY FILL PLANTING BEDS.
- P) THE LANDSCAPE ARCHITECT OR OWNER RESERVES THE RIGHT TO REJECT PLANTS ON SITE WHETHER STOCK PILED OR PLANTED IN PLACE. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM SITE.
- Q) IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.
- R) WHERE PLANTING BEDS MEET TURF AREAS, THE CONTRACTOR SHALL PROVIDE A CULTIVATED EDGE. MULCH ALL SHRUB BEDS TO THE LINE SHOWN. THE CONTRACTOR SHALL FURNISH AND INSTALL 3" LAYER OF SHREDDED HARDWOOD MULCH UNDER ALL TREE PLANTINGS AND SHRUB BEDS. (SUBMIT SAMPLE, SEE SPECS.)
- S) AN APPROVED ORGANIC PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING BEDS AT A RATE SPECIFIED BY MANUFACTURER FOR EACH PLANT VARIETY.
- T) STORE ALL PLANTS ON SITE OUT OF DIRECT WINDS IN AN AREA DESIGNATED BY THE OWNER'S AGENT.
- U) THE LANDSCAPE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT INJURY TO ALL PLANT MATERIAL DURING DIGGING, HANDLING, PLANTING, AND MAINTENANCE OPERATIONS.
- V) ALL PLANTS SHALL BE GROUPED TOGETHER BY SPECIES AND SIZE AND SHALL BE COVERED WITH MULCH OR COMPOST TO PREVENT DESICCATION.
- W) FOR ALL GROUNDCOVERS, ROTOTILL 2" OF SPHAGNUM PEAT INTO TOPSOIL TO A DEPTH OF 6" TO YIELD A HOMOGENOUS MIXTURE OF TOPSOIL AND PEAT.
- X) GROUNDCOVER AREAS SHALL ONLY RECEIVE 1 ½" SHREDDED HARDWOOD MULCH (NO FABRIC). CAREFULLY PLACE MULCH AROUND PLANT BASE.
- Y) IMPORTATION OF CLEAN TOPSOIL AND FILL MATERIAL IS A MUST FOR THIS PROJECT. TOPSOIL FOR USE ON THE SITE MUST COME FROM AN APPROVED SOURCE.
- AA) BERMS AND LANDFORMS SHOWN ARE APPROXIMATE ONLY. THE CONTRACTORS SHALL UTILIZE EXISTING SUBSOIL AND SHALL GRADE AS SHOWN IF SUFFICIENT MATERIAL EXISTS ON SITE OR, IF THE OWNER DESIRES, HE MAY IMPORT FILL MATERIAL FOR BUILDING OF BERMS IF INSUFFICIENT MATERIAL EXISTS ON THE SITE. ANY EXCESS SOIL TO BE USED IN FILL AREA. THE CONTRACTOR SHALL MAKE HIMSELF AWARE OF SUCH QUANTITIES PRIOR TO SUBMITTING HIS BID.
- BB) FINE GRADE, FERTILIZE, AND SOD ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS AS SHOWN. ALL TURF AREAS SHALL DRAIN COMPLETELY AND SHALL NOT POND NOR PUDDLE. ALL TURF AREAS SHALL RECEIVE 6" THICK BLACK TOPSOIL—ALLOW FOR SETTLEMENT.
- CC) DURING LANDSCAPE WORK, KEEP PAVEMENTS CLEAN AND WORK AREAS IN AN ORDERLY MANNER. REMOVE ALL DEBRIS FROM THE JOB SITE ON A DAILY BASIS.
- DD) ALL PLANT MATERIAL SHALL BE FULLY GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE. DEAD OR UNHEALTHY PLANTS SHALL BE REPLACED AS SOON AS CONDITIONS PERMIT.
- EE) SUBSTITUTION OF PLANT MATERIAL DUE TO LACK OF AVAILABILITY MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. SUBSTITUTE PLANTS SHALL BE THE SAME SIZE, OR LARGER, AND OF EQUAL OR BETTER VALUE THAN THE ITEMS SPECIFIED. THE "EQUALITY" WILL REST WITHIN THE SOLE JUDGMENT OF THE LANDSCAPE ARCHITECT.
- FF) THE LANDSCAPE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING INSTALLATION AND MAINTENANCE PROCEDURES.
- -NEW TREES AND SHRUBS SHALL BE WATERED AND MAINTAINED UNTIL FIRMLY ESTABLISHED.
- -NEW TREES AND SHRUBS SHALL BE PRUNED TO REMOVE ALL DEAD AND DAMAGED WOODS.
- -MULCHED PLANTING BEDS SHALL BE MAINTAINED AT A DEPTH OF 3". -ALL PLANTING BEDS AND TREE PITS SHALL BE WEEDED REGULARLY.

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ISSUE/REVISION RECORD

DATE

DESCRIPTION

07/24/17 75% CONSTRUCTION DOCUMENTS

08/14/17 100% CONSTRUCTION DOCUMENTS

08/29/17 ISSUED FOR BID

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**PROJECT NUMBER** 20170773.0

SHEET TITLE
GENERAL

NOTES

## EROSION AND SEDIMENT CONTROL (LAKE COUNTY SMC)

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGICDISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- a) UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- b) AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE.SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION.STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURESAS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY
- AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS.THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

# reenbergFarrow

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**PROJECT TEAM** 

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LORI OF ILLUS VIEROW 157-001163 LANDSCAPE ARCHITECT

PROFESSIONAL IN CHARGE LORI VIEROW PROFESSIONAL LANDSCAPE ARCHITECT

LICENSE NO. 157.001163

PROJECT MANAGER
LORI VIEROW

QUALITY CONTROL

QUALITY CONTROI SARAH DREIER DRAWN BY JEAN SHI

PROJECT NAME

DEERPATH
PARK:
DRAGON AREA

VERNON HILLS ILLINOIS

299 ONWENTSIA ROAD

**PROJECT NUMBER** 20170773.0

SHEET TITLE

EROSION AND SEDIMENT CONTROL NOTES

SHEET NUMBER

SD1.1





CONSTRUCTION AREA ACCESS ROUTE



PARKING AREA FOR CONSTRUCTION

CONSTRUCTION STAGING AREA

#### GENERAL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE UTILITY OWNER / LANDSCAPE ARCHITECT.
- 2. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS ABUT PUBLIC THE PARK AND ADJACENT HOMES.
- 3. ALL AREAS DISTURBED BY THE GENERAL CONTRACTOR OR SUB-CONTRACTORS SHALL BE RETURNED TO THE ORIGINAL CONDITION OR BETTER, EXCEPT WHERE PROPOSED CONSTRUCTION IS INDICATED ON THE PLANS INCLUDING ALL DEERPATH PARK PATHWAY AND PARKING LOT.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE WORKING CONDITIONS THROUGHOUT THE DURATION OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- 5. CONTRACTOR SHALL KEEP THE PUBLIC STREET AND PATHS PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS AT THE END OF EACH WORKING DAY. MUD AND DEBRIS LEFT ON THE STREETS AND PATHS NOT CLEANED AND POWER-WASHED BY THE CONTRACTOR WILL BE UNDERTAKEN BY THE OWNER AND BACK-CHARGED TO THE CONTRACTOR.
- 6. CONSTRUCTION STAGING AREA SHALL BE SEEDED WITH A KENTUCKY BLUEGRASS BLEND SEED, INCLUDING EROSION CONTROL BLANKET.



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PROFESSIONAL IN CHARGE LORI VIEROW

PROFESSIONAL LANDSCAPE ARCHITECT LICENSE NO. 157.001163 PROJECT MANAGER LORI VIEROW QUALITY CONTROL SARAH DREIER

**DRAWN BY** JEAN SHI PROJECT NAME

**DEERPATH** PARK: DRAGON AREA

**ILLINOIS** 299 ONWENTSIA ROAD

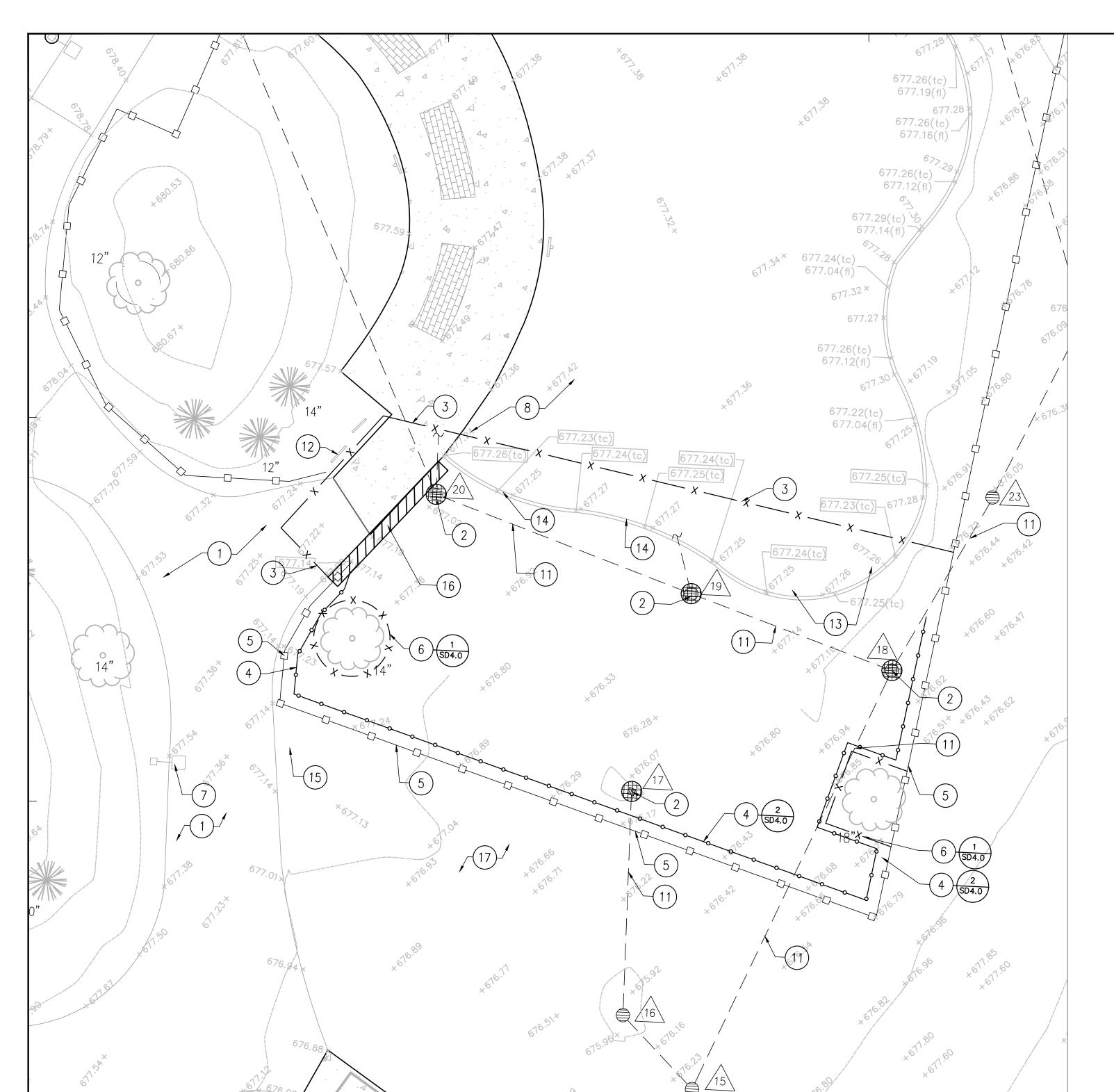
VERNON HILLS

PROJECT NUMBER

SHEET TITLE CONSTRUCTION AREA ACCESS

PLAN SHEET NUMBER

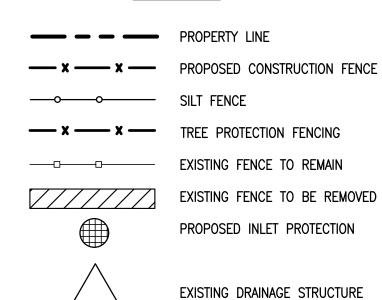
NOT TO SCALE NORTH



# EXISTING CONDITIONS/DEMOLITION PLAN NOTES:

- 1. EXISTING BITUMINOUS PAVEMENT TO REMAIN AND BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THIS PAVEMENT SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 2. EXISTING CATCH BASIN TO REMAIN. PROTECT DURING CONSTRUCTION. ANY DAMAGE TO THE CATCH BASIN WILL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 3. FURNISH AND INSTALL CHAIN LINK SAFETY/CONSTRUCTION FENCE PANELS. THE LOCATION ALSO EQUALS LIMITS OF CONSTRUCTION. ANY DAMAGE TO THIS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT. MEET EXISTING FENCE IN LOCATIONS SHOWN WITH SMALLEST GAP POSSIBLE, DO NOT USE ATTACHMENTS THAT WILL MAR SURFACE, E.G. NAILS OR SCREWS.
- 4. FURNISH AND INSTALL SILT FENCE ON CRITICAL SIDES OF THE SITE. SEE DETAIL.
- 5. EXISTING FENCE TO REMAIN TO HELP SECURE SITE DURING CONSTRUCTION. AVOID ANY AND ALL DAMAGE TO FENCE POSTS AND FABRIC. ANY DAMAGE TO THIS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 6. EXISTING TREE TO REMAIN, PROTECT DURING CONSTRUCTION. IT IS THE ESSENCE OF THE CONTRACT TO PRESERVE THE PRESENT CONDITION OF THE TREES TO REMAIN. ALL REMOVALS AND DEMOLITION OF MATERIALS BENEATH THE TREE CANOPIES TO BE PERFORMED BY MANUAL OPERATIONS (HAND). NO MACHINERY TO BE USED BENEATH THE CANOPY OF THE TREE IN ORDER TO PROTECT ROOTS FROM DAMAGE.
- 7. EXISTING LIGHTS AND POLES TO REMAIN. PROTECT DURING CONSTRUCTION. ANY DAMAGE TO THE LIGHTS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 8. EXISTING PLAY AREA/POURED-IN-PLACE SURFACE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO THE PLAY AREA/POURED-IN-PLACE SURFACE SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 9. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES PRIOR TO COMMENCING CONSTRUCTION AND REPORT ANY DISCREPANCIES GREATER THAN 3" IMMEDIATELY TO THE PARK DISTRICT'S REPRESENTATIVE.
- 10. CONSTRUCTION ENTRANCE, SEE DETAIL. TAKE NECESSARY MEASURES TO PROTECT EXISTING CURB AND BITUMINOUS SIDEWALK. DAMAGED SECTIONS SHALL BE REMOVED AND REPLACED, MATCHING EXISTING PROFILE, BY CONTRACTOR AT NO ADDITIONAL EXPENSE TO OWNER. SAW CUT WALK AT APPROVED AREA IF DAMAGED.
- 11. EXISTING STORM PIPE TO REMAIN. PROTECT DURING CONSTRUCTION (SEE ALSO CONSTRUCTION PLANS).
- 12. EXISTING SIGN TO REMAIN AND BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THE SIGN WILL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 13. EXISTING BENCH TO REMAIN AND BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THE SIGN WILL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 14. EXISTING CONCRETE BAND TO REMAIN AND BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THE CONCRETE BAND WILL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 15. EXISTING BIKE RACK TO REMAIN AND BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THE CONCRETE BAND WILL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE PARK DISTRICT.
- 16. THREE (3) WOOD FENCE PANELS INCLUDING FOOTINGS TO BE REMOVED FOR NEW ACCESS PANELS TO BE DELIVERED TO THE PARK DISTRICT, FOR A TOTAL OPENING OF 20 FEET
- 17. CONSTRUCTION STAGING AREA

#### <u>LEGEND</u>



# GreenbergFarrow

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LICENSE NO. 157.001163

PROJECT MANAGER
LORI VIEROW

QUALITY CONTROL

SARAH DREIER

#### JEAN SHI Project Name

**ILLINOIS** 

DRAWN BY

DEERPATH
PARK:
DRAGON AREA
VERNON HILLS

299 ONWENTSIA ROAD

#### <u>BENCHMARK</u>

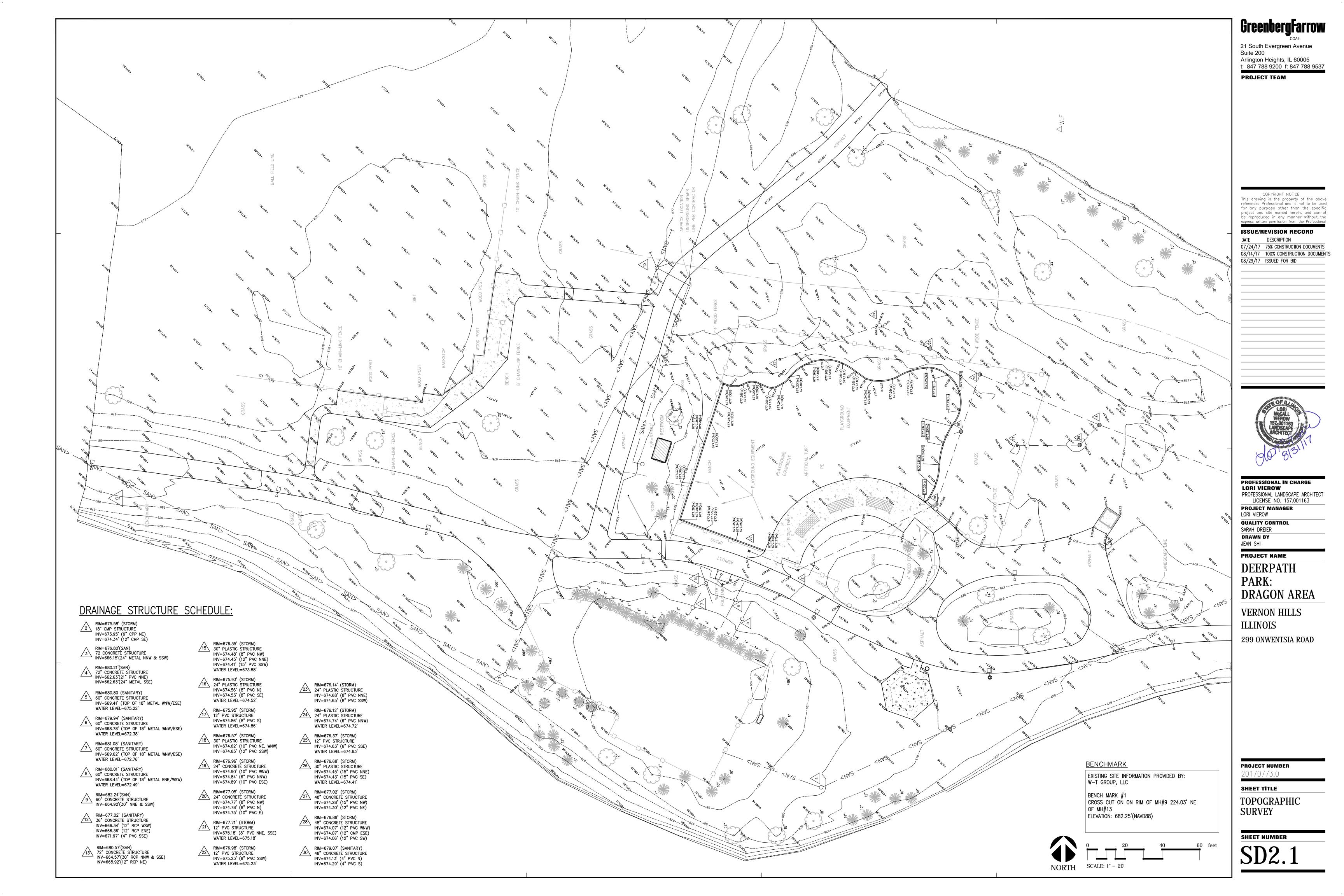
EXISTING SITE INFORMATION PROVIDED BY: W-T GROUP, LLC

BENCH MARK #1
CROSS CUT ON ON RIM OF MH#9 224.03' NE
OF MH#13
ELEVATION: 682.25'(NAVD88)

**PROJECT NUMBER** 20170773.0

SHEET TITLE

**EXISTING CONDITIONS/**DEMOLITION PLAN

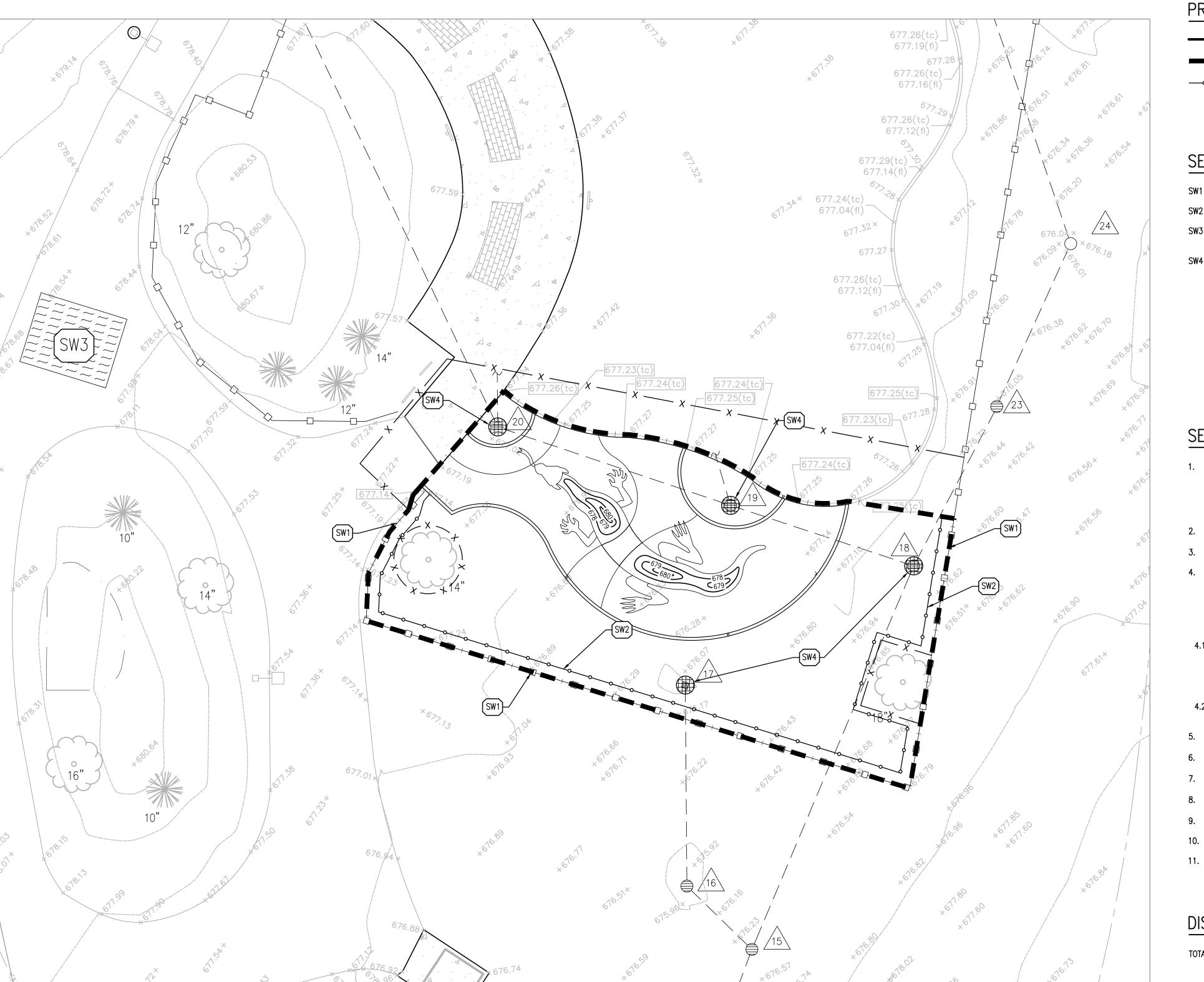


#### **ISESC NOTES:**

- COPIES OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL (SESC) PLANS OR STORMWATER POLLUTION PREVENTION PLANS (SWPPP) SHALL BE MAINTAINED ON THE SITE AT ALL TIMES ALONG WITH ANY NECESSARY PERMITS AND INSPECTION
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DEVICES SHALL BE INSTALLED AND FUNCTIONAL BEFORE THE SITE IS OTHERWISE DISTURBED. THEY SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SITE STABILIZATION HAS BEEN ACHIEVED.
- CONTRACTOR SHALL IMPLEMENT SITE SPECIFIC BEST MANAGEMENT PRACTICES (BMPS) AS SHOWN AND REQUIRED BY THE SWPPP/SESC. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED BY THE CONTRACTOR AS DICTATED BY SITE CONDITIONS OR THE PROJECT GOVERNING AUTHORITIES AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- ALL BEST MANAGEMENT PRACTICES AND CONTROLS SHALL CONFORM TO THE APPLICABLE FEDERAL, STATE, OR LOCAL REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OR MANUAL OF PRACTICE.
- IF AFTER REPEATED FAILURE ON THE PART OF THE CONTRACTOR TO PROPERLY CONTROL SOIL EROSION, SEDIMENT AND/OR POLLUTION FROM THE PROJECT SITE, THE GOVERNING AUTHORITIES RESERVE THE RIGHT TO EFFECT NECESSARY CORRECTIVE MEASURES AND CHARGE ANY COSTS TO THE CONTRACTOR.
- INLET PROTECTION SHALL BE INSTALLED AROUND EACH INLET OR CATCH BASIN WITHIN THE VICINITY OF THE DISTURBED AREA LIMITS AS SHOWN ON THE PLANS. THESE SHALL BE MAINTAINED UNTIL THE TRIBUTARY DRAINAGE AREAS HAVE ADEQUATE GRASS COVER AND/OR APPROPRIATE GROUND STABILIZATION.
- ALL STREETS ADJACENT TO THE PROJECT SITE SHALL BE KEPT FREE OF DIRT, MUD AND DEBRIS. CONTRACTOR SHALL CLEAN ADJACENT PAVEMENTS AT THE END OF EACH WORKING DAY WHEN NECESSARY.
- CONTRACTORS SHALL MINIMIZE BARE EARTH SURFACES DURING CONSTRUCTION TO THE EXTENT PRACTICABLE.
- ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS IS IF DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIALS ARE DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, OR DITCHES SUCH THAT THE

NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIAL SHALL BE

- ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEMS BY THE USE OF INLET PROTECTION OR OTHER APPROVED FUNCTIONAL METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS
- CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC
- RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL
- OR CHEMICAL SPILLS AND LEAKS. DUST SHALL BE ADEQUATELY CONTROLLED ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED TRASH CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- DURING DEWATERING OPERATIONS. WATER SHALL BE PUMPED OR OTHERWISE DISCHARGED FROM THE SITE INTO SEDIMENT BASINS, SILT TRAPS, DEWATERING BAGS OR POLYMER MIXING SWALES. DEWATERING DIRECTLY INTO FIELD TILES OR
- STORMWATER SYSTEMS IS PROHIBITED. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED WITHIN THREE (3) DAYS OF FINAL DISTURBANCE.
- 18. ALL SOIL STOCKPILES SHALL BE STABILIZED WITHIN THREE (3) DAYS OF FORMING
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED AS FOLLOWS:
- 19.1. WHEN THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 19.2. WHEN CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED (I..E. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS). THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASES.
- 20. PRE-QUALIFIED PERSONNEL (PROVIDED BY THE CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCH OR GREATER (OR EQUIVALENT SNOWFALL). REQUIRED REPAIRS SHOULD BE COMPLETED WITHIN FORTY-EIGHT (48) HOURS OF THE INSPECTION.
- EROSION CONTROL BLANKETS SHALL BE USED IN AREAS OF 4:1 SLOPE OR ALL TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE
- REMOVED THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED OF OFF SITE BY THE CONTRACTOR. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN THOSE INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY STORM WATER POLLUTION PREVENTION PLAN SHALL BE SUBMITTED TO THE OWNER
- AND ENGINEER FOR REVIEW. ALL CONSTRUCTION VEHICLE TRAFFIC MUST REMAIN WITHIN THE LIMITS OF CONSTRUCTION.



## PROPOSED LEGEND:

PROPERTY LINE

LAND DISTURBANCE LIMITS (SEE DISTURBED AREA TABLE)

—— PROPOSED SILT FENCE

PROPOSED INLET PROTECTION INSERT

#### SESC KEY NOTES:



- SW1 PROPOSED PROJECT LAND DISTURBANCE LIMITS
- SW2 PROPOSED SILT FENCE
- SW3 PROPOSED CONCRETE WASHOUT WITH MINIMUM 30-MIL POLYETHYLENE LINING AND LOCATION SIGNAGE, SEE DETAIL 1 ON SD4.1.
- SW4 PROPOSED INLET PROTECTION, SEE DETAIL 2 ON SD4.1

#### SESC CONSTRUCTION SCHEDULE:

- 1. OBTAIN ALL APPLICABLE SITE PERMITS AND THOROUGHLY REVIEW PROJECT'S SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC) OR STORMWATER POLLUTION PREVENTION PLANS (SWPPP) PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND UPDATING THE SWPPP/SESC THROUGHOUT THE DURATION OF CONSTRUCTION AS NECESSARY UNTIL FINAL SITE STABILIZATION IS ACHIEVED.
- 2. INSTALL PERIMETER SEDIMENT CONTROL MEASURES (I.E. SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE).
- INSTALL INLET PROTECTION DEVICES FOR EXISTING STORM SEWER INLETS AND DRAINAGE STRUCTURES.
- 4. PERFORM SITE INSPECTIONS ON A WEEKLY BASIS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS 0.5 INCH OR GREATER (OR EQUIVALENT SNOWFALL). AT A MINIMUM, THE INSPECTIONS SHALL INCLUDE THE DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, ALL STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND ANY ADDITIONAL BEST MANAGEMENT PRACTICES IDENTIFIED IN THE SWPPP/SESC.
- 4.1. ALL SITE EROSION AND SEDIMENT CONTROL MEASURES AND BEST MANAGEMENT PRACTICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE CONTINUOUSLY MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL MAKE AND COMPLETE THE REQUIRED REPAIRS WITHIN FORTY-EIGHT (48) HOURS OF THE
- 4.2. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL STRUCTURAL CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE SITE INSPECTIONS.
- 5. INSTALL NEW STORM SEWERS AND OTHER SITE UTILITIES AS INDICATED ON THE
- 6. PROVIDE TEMPORARY SEEDING AND/OR MULCHING FOR ALL DISTURBED SITE
- AREAS THAT WILL NOT BE WORKED ON FOR MORE THAN FOURTEEN (14) DAYS. . INSTALL TEMPORARY CONCRETE WASHOUT FACILITY PRIOR TO COMMENCEMENT
- OF ANY CONCRETE WORK ON SITE. 8. INSTALL CURBS AND BEGIN SITE PAVING OPERATIONS (I.E. DRIVEWAYS,
- SIDEWALKS, ETC.) 9. PERFORM STREÉT CLEANING OPERATIONS AND OTHER BEST MANAGEMENT
- PRACTICES AS NEEDED FOR AREAS ADJACENT TO THE PROJECT SITE.
- 10. INSTALL BUILDING FOUNDATION AND COMPLETE BUILDING CONSTRUCTION AND REMAINING SITE IMPROVEMENTS.
- 11. REMOVE ALL TEMPORARY SITE EROSION AND SEDIMENT CONTROL MEASURES WITHIN THIRTY (30) DAYS OF FINAL SITE STABILIZATION ONCE PERMANENT STABILIZATION OF THE ENTIRE SITE HAS BEEN COMPLETED AND ALL GROUND COVER IS ESTABLISHED.

#### DISTURBED SITE AREA TABLE:

TOTAL DISTURBED AREA: 3,812 SQ. FT. / 0.09 ACRES

1,442 SQ. FT. / 0.03 ACRES IMPERVIOUS AREA: 2,370 SQ. FT. / 0.06 ACRES PERVIOUS AREA:

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**PROJECT TEAM** 

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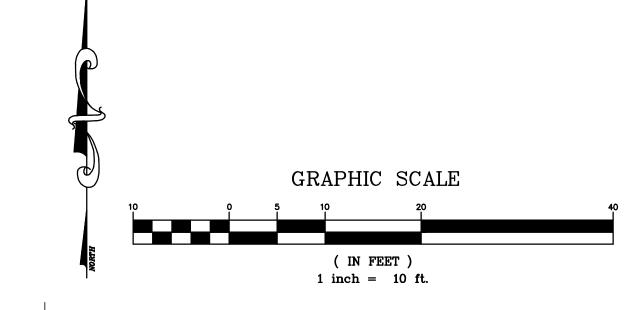
**QUALITY CONTROL** SARAH DREIER **DRAWN BY** JEAN SHI

#### PROJECT NAME

**DEERPATH** DRAGON AREA

VERNON HILLS **ILLINOIS** 

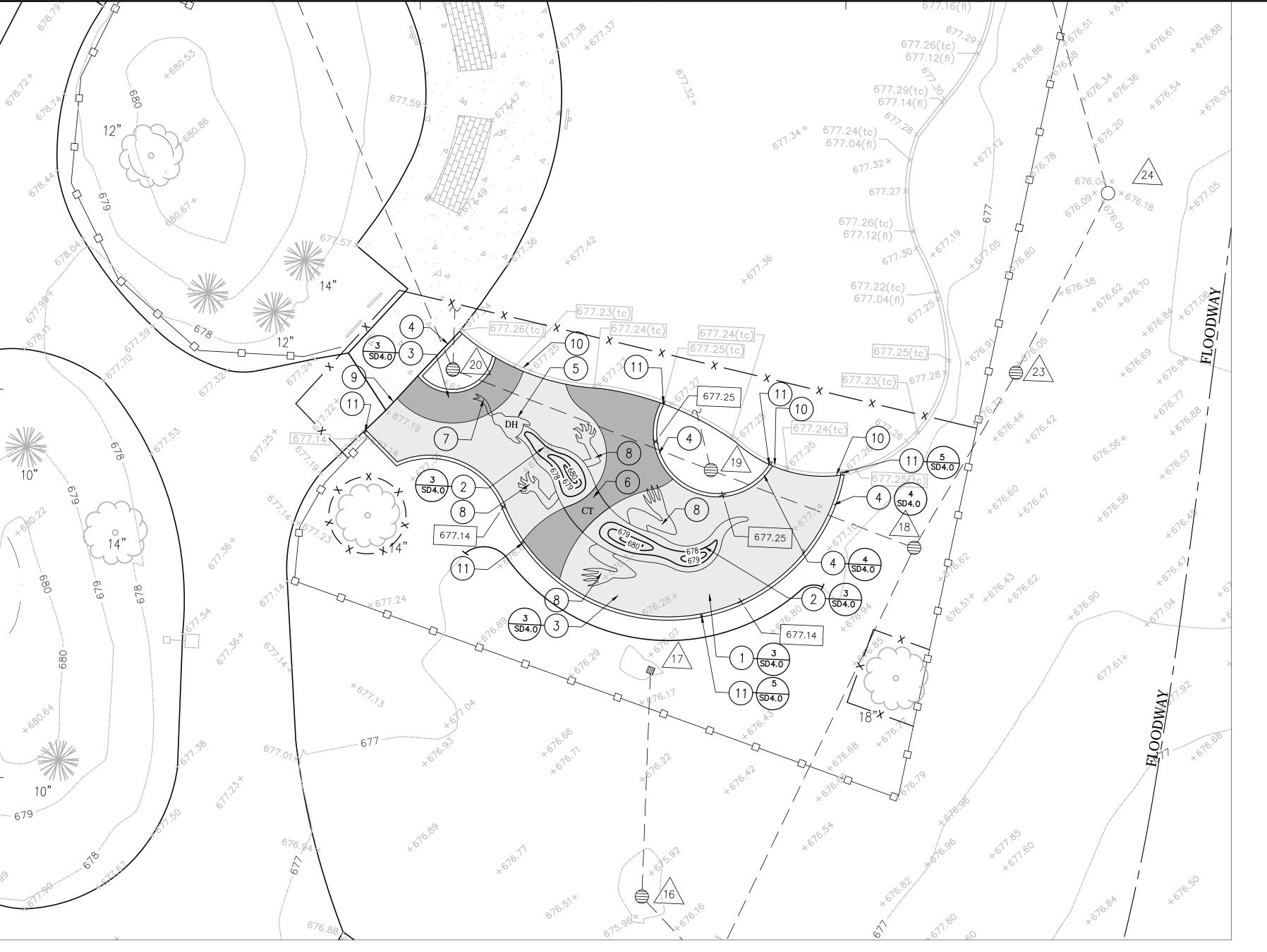
299 ONWENTSIA ROAD



**PROJECT NUMBER** 

SHEET TITLE

PLAN



#### PLAY APPARATUS SCHEDULE

	TARACTOS SONEBOLL					
KEY	ITEM	MODEL	MANUFACTURE	R QUANTITY	LOCATION	COMMENTS
DH	DRAGON HEAD	#104662	LS	1	DRAGON AREA	FURNISHED BY OWNER
СТ	CRAWL TUNNEL	#P0035498-03	LS	1	DRAGON AREA	FURNISHED BY OWNER

#### MANUFACTURERS REPRESENTATIVES AND SUPPLIER LIST

ANOFACTORERS REFRESENTATIVES AND SUFFLIER LIST								
1. LS	LANDSCAPE STRUCTURES	CONTACT: RICK BIETERMAN  NU-TOYS LEISURE PRODUCTS, INC.  P.O. BOX 2121						
		LA GRANGE, IL 60525 708.579.9055						
2. SA	SURFACE AMERICA	CONTACT: RICK BIETERMAN NU-TOYS LEISURE PRODUCTS, INC. P.O. BOX 2121 LA GRANGE, IL 60525 708.579.9055						

## <u>LEGEND</u>

— X — X — CONSTRUCTION FENCE

PROPOSED CURB

————— EXISTING FENCE

SURFACE AMERICA COLOR (OR APPROVED EQUAL): 75% GREEN, 25% BLACK

SURFACE AMERICA COLOR (OR APPROVED EQUAL): TBD

## SITE CONSTRUCTION PLAN NOTES:

- 1. FURNISH AND INSTALL POURED—IN—PLACE SURFACE. SEE DETAIL. COLOR: 75% GREEN 25% BLACK.
- 2. FURNISH AND INSTALL SLOPED POURED—IN—PLACE SURFACE. SEE DETAIL. COLOR: 75% GREEN 25% BLACK.
- 3. FURNISH AND INSTALL CAST—IN—PLACE SURFACE. SEE DETAIL. COLOR:TBD
- 4. FURNISH AND INSTALL 6"X12" CONCRETE BAND. SEE DETAIL.
- 5. FURNISH AND INSTALL GFRC DRAGON HEAD#104662 AS MANUFACTURED BY LANDSCAPE STRUCTURE OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTION. SEE ALSO SITE FURNISHINGS SCHEDULE. THE DRAGON HEAD WILL BE DELIVERED TO THE PARK DISTRICT AND STORED AT THEIR MAINTENANCE FACILITY AT 1400 INDIANWOOD DRIVE, VERNON HILLS, IL. CONTRACTOR SHALL COORDINATE PICK-UP WITH THE OWNER.
- 6. FURNISH AND INSTALL CUSTOM GFRC BODY TUNNEL. INSTALL PER MANUFACTURER'S INSTRUCTION. SEE SITE FURNISHING SCHEDULE. THE TUNNEL WILL BE DELIVERED TO THE PARK DISTRICT AND STORED AT THEIR MAINTENANCE FACILITY AT 1400 INDIANWOOD DRIVE, VERNON HILLS, IL. CONTRACTOR SHALL COORDINATE PICK—UP WITH THE OWNER
- 7. PAINTED TONGUE BY OWNER.
- 8. PAINTED LEG BY OWNER.
- 9. MEET EXISTING CONCRETE WALK ELEVATION WITH NEW POURED-IN-PLACE SURFACE FINISH. ALL PAVEMENT TRANSITIONS SHALL BE SUBTLE AND SMOOTH. ANY ABRUPT CHANGES SHALL BE REMOVED OR REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 10. MEET EXISTING CONCRETE BAND ELEVATION WITH NEW POURED—IN—PLACE SURFACE FINISH. ALL PAVEMENT TRANSITIONS SHALL BE SUBTLE AND SMOOTH. ANY ABRUPT CHANGES SHALL BE REMOVED OR REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 11. EXPANSION JOINT (TYP.). LOCATE AT INTERVALS OF 30' ON CENTER, OR AS SHOWN. SEE DETAIL. SEE DETAIL. COLOR:TBD

### STORM SEWER SCHEDULE:



RIM=675.93' (STORM)
24" PLASTIC STRUCTURE
INV=674.56' (8" PVC N)
INV=674.53' (8" PVC SE)
WATER LEVEL=674.52'



RIM=675.95' (STORM)
12" PVC STRUCTURE
INV=674.86' (8" PVC S)
WATER LEVEL=674.86'



RIM=676.57' (STORM)
30" PLASTIC STRUCTURE
INV=674.62' (10" PVC NE, WNW)
INV=674.65' (12" PVC SSW)



RIM=676.96' (STORM)
24" CONCRETE STRUCTURE
INV=674.90' (10" PVC WNW)
INV=674.84' (6" PVC NNW)
INV=674.89' (10" PVC ESE)



RIM=677.05' (STORM)
24" CONCRETE STRUCTURE
INV=674.77' (8" PVC NW)
INV=674.78' (8" PVC N)
INV=674.75' (10" PVC E)



RIM=676.14' (STORM)

24" PLASTIC STRUCTURE
INV=674.68' (8" PVC NNE)
INV=674.65' (8" PVC SSW)



RIM=676.12' (STORM)

24" PLASTIC STRUCTURE
INV=674.74' (6" PVC NNW)
WATER LEVEL=674.72'

### <u>BENCHMARK</u>

EXISTING SITE INFORMATION PROVIDED BY: W-T GROUP, LLC

BENCH MARK #1
CROSS CUT ON ON RIM OF MH#9 224.03' NE OF
MH#13
ELEVATION: 682.25'(NAVD88)

GreenbergFarrow

t: 847 788 9200 f: 847 788 9537

21 South Evergreen Avenue

Arlington Heights, IL 60005

**PROJECT TEAM** 

Suite 200

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#### PROFESSIONAL IN CHARGE LORI VIEROW

PROFESSIONAL LANDSCAPE ARCHITECT
LICENSE NO. 157.001163

PROJECT MANAGER
LORI VIEROW

QUALITY CONTROL

SARAH DREIER

PROJECT NAME

**DRAWN BY**JEAN SHI

DEERPATH
PARK:
DRAGON AREA

VERNON HILLS ILLINOIS

299 ONWENTSIA ROAD

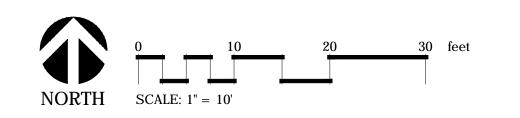
PROJECT NUMBER

SHEET TITLE

GRADING/DRAINAGE + CONSTRUCTION PLAN

SHEET NUMBER

SD3.0





# LAYOUT AND DIMENSION PLAN NOTES:

- ALL DIMENSION LINES SHALL EXTEND PERPENDICULAR (90 DEGREES) UNLESS OTHERWISE NOTED.
- ALL PLAN FEATURES SHALL BE LAID OUT AND PAINTED OR MARKED IN THE FIELD BY THE CONTRACTOR AND REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
- UNLESS OTHERWISE NOTED, ALL ANGLES ARE 90 DEGREES OR 45 DEGREES.
- 4. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS TO POUR—IN—PLACE SURFACING CONTRACTOR BEGINNING WORK.

# GreenbergFarrow

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PROFESSIONAL IN CHARGE
LORI VIEROW

DROFESSIONAL LANDSCADE ARCHITE

PROFESSIONAL LANDSCAPE ARCHITECT LICENSE NO. 157.001163 PROJECT MANAGER LORI VIEROW

QUALITY CONTROL
SARAH DREIER
DRAWN BY
JEAN SHI

#### PROJECT NAME

DEERPATH
PARK:
DRAGON AREA

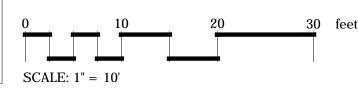
VERNON HILLS ILLINOIS

299 ONWENTSIA ROAD

**BENCHMARK** 

EXISTING SITE INFORMATION PROVIDED BY: W-T GROUP, LLC

BENCH MARK #1 CROSS CUT ON ON RIM OF MH#9 224.03' NE OF MH#13 ELEVATION: 682.25'(NAVD88)



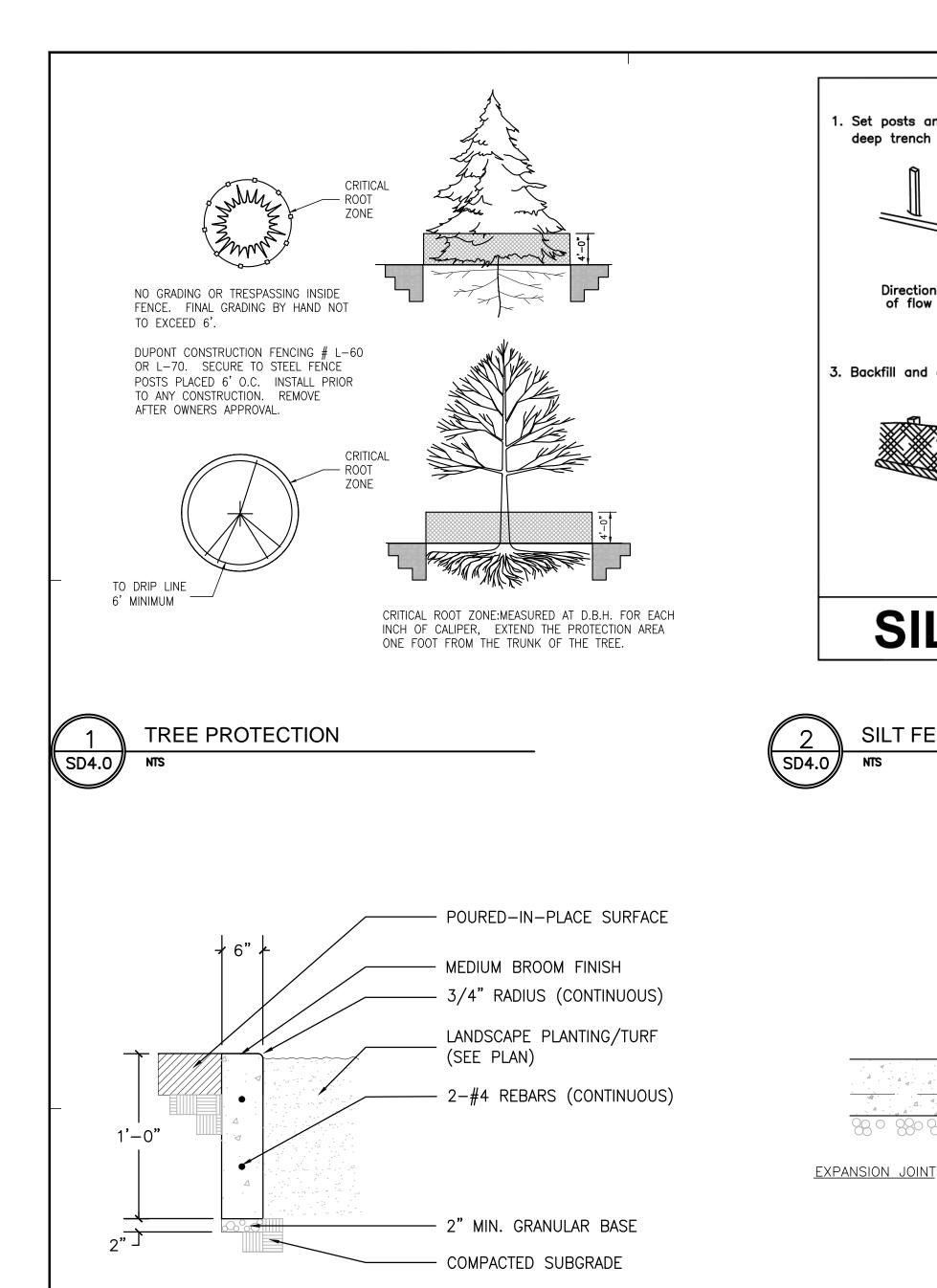


**PROJECT NUMBER** 20170773.0

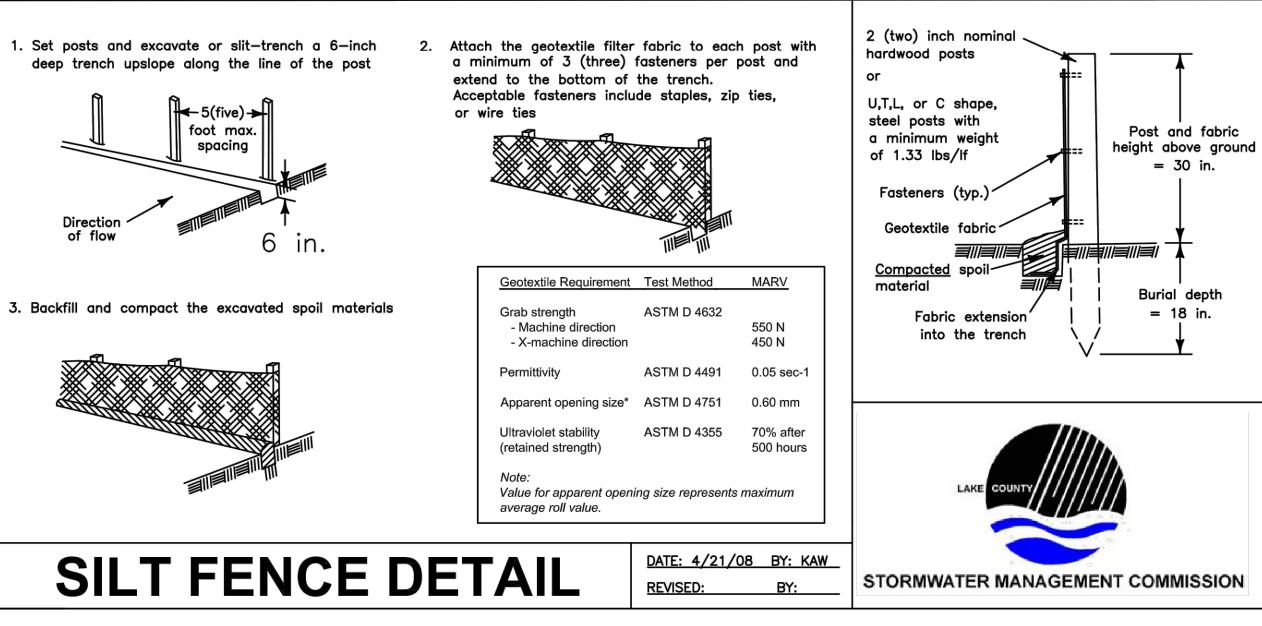
SHEET TITLE
DIMENSION

PLAN

sheet number
SD3.1



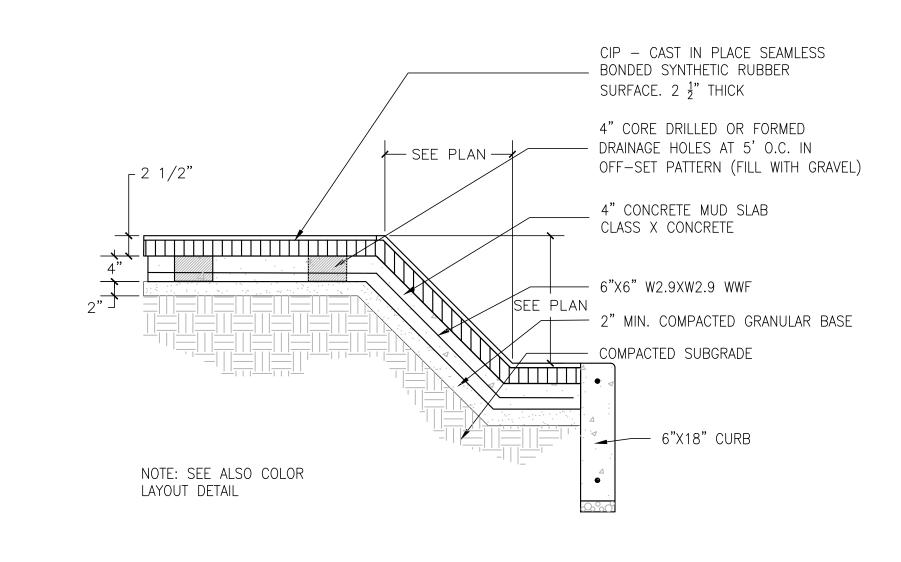
**ENLARGEMENT OF COLOR LAYOUT** 



WIRE MESH STOPS

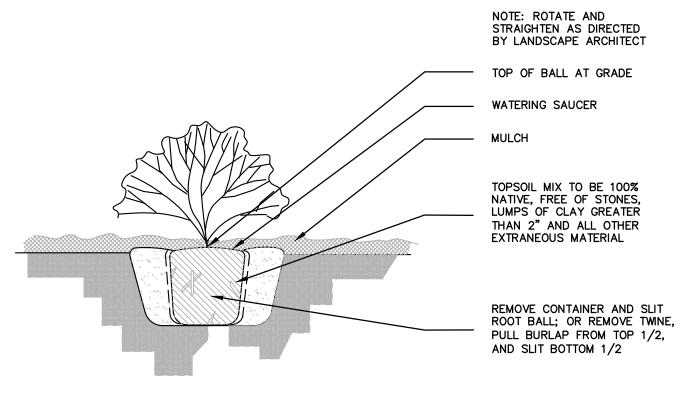
-1/2" BITUMINOUS FELT EXPANSION JOINT FULL DEPTH OF CONCRETE SEAL JOINT

- POURED CONCRETE AT 4" THICK



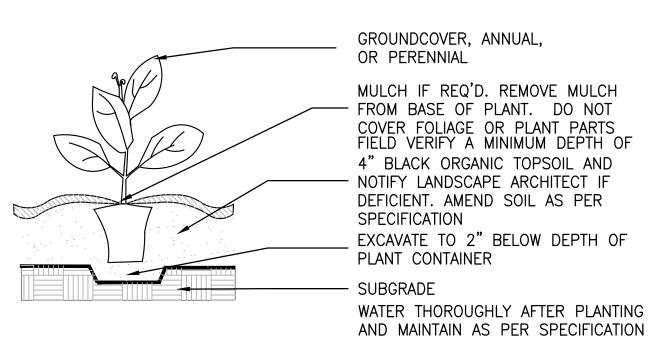


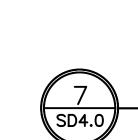
PLAY AREA: IN PLACE RUBBER & POURED IN PLACE WALL



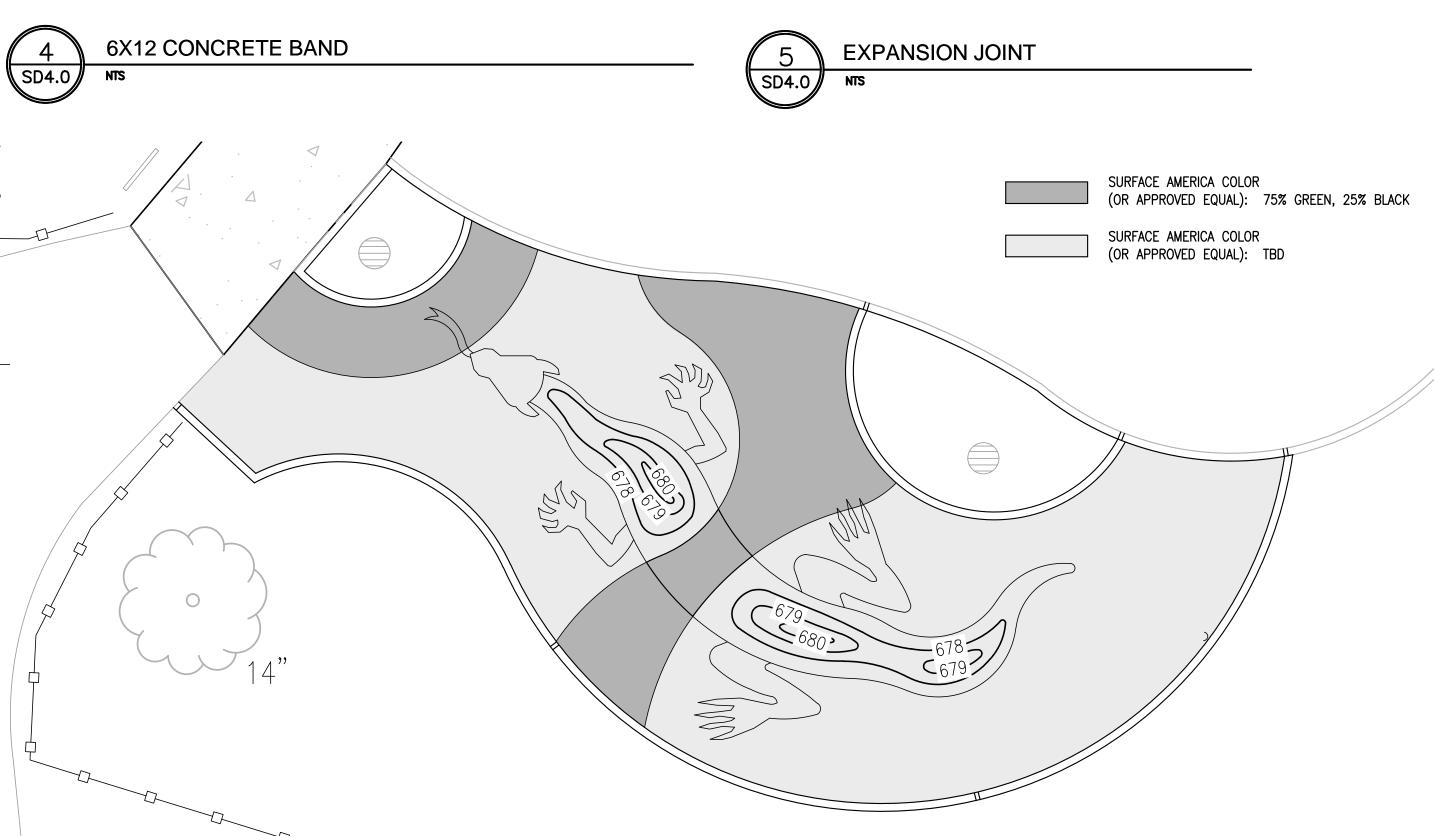
**DECIDUOUS SHRUB** 

SD4.0





PERENNIAL



1/2"—



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**PROJECT TEAM** 

LORI VIEROW **QUALITY CONTROL DRAWN BY** JEAN SHI

PROFESSIONAL LANDSCAPE ARCHITECT

LICENSE NO. 157.001163

**PROFESSIONAL IN CHARGE** 

**LORI VIEROW** 

PROJECT MANAGER

PROJECT NAME **DEERPATH** PARK: DRAGON AREA

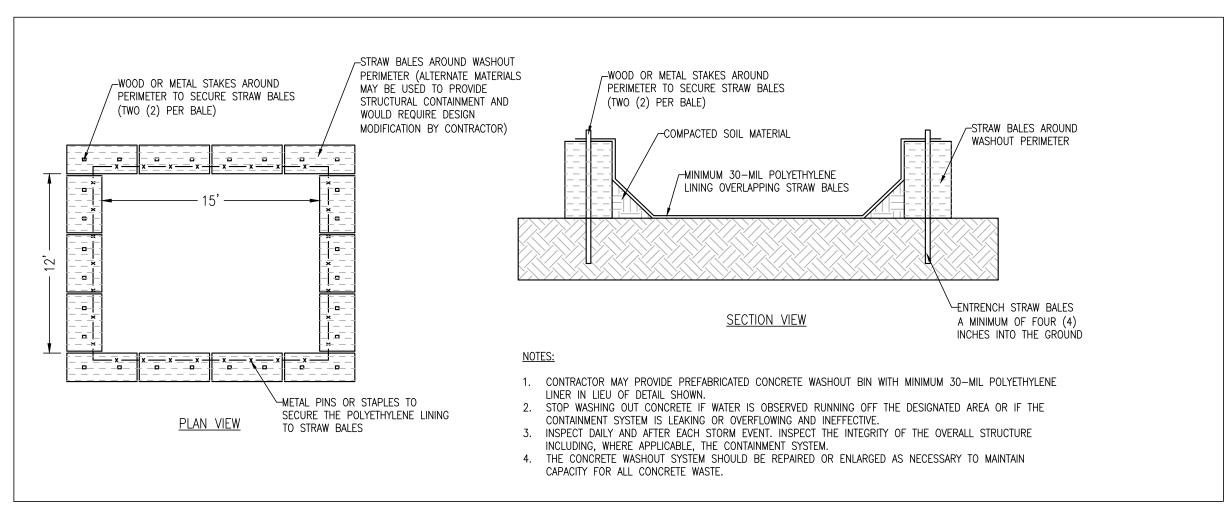
VERNON HILLS **ILLINOIS** 

299 ONWENTSIA ROAD

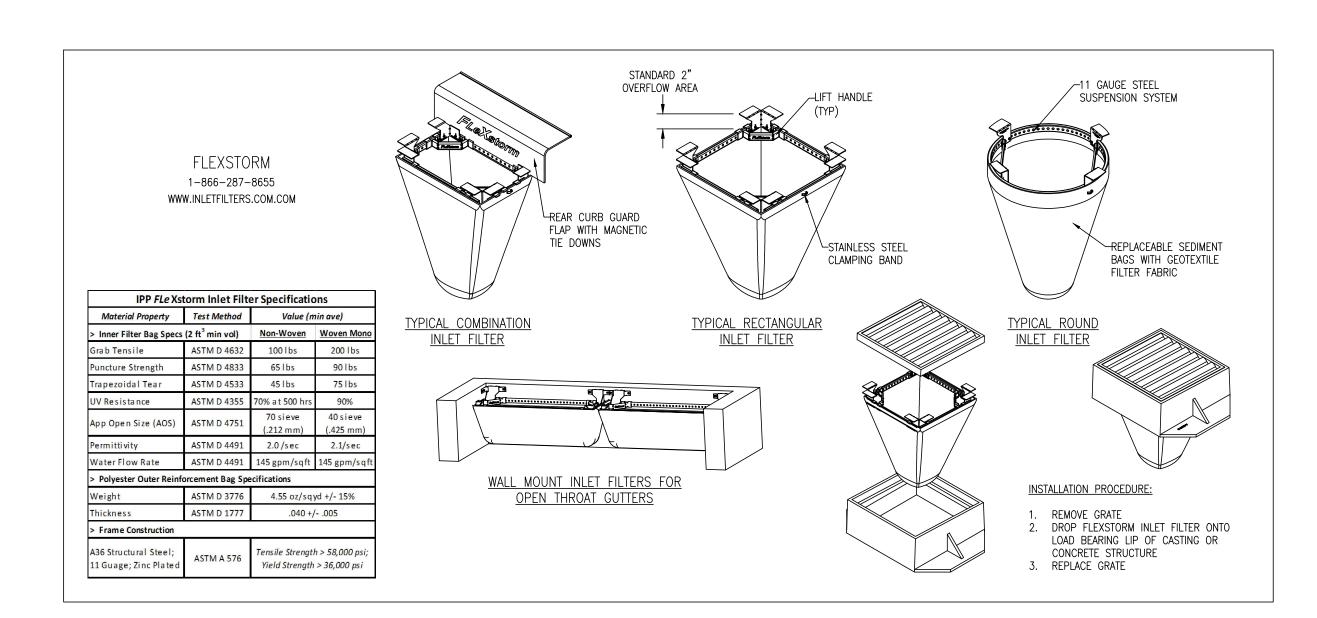
**PROJECT NUMBER** 

SHEET TITLE CONSTRUCTION

**DETAILS** 









INLET PROTECTION

NTS

reenbergFarrow COA#\*\*

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PROJECT TEAM

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PROFESSIONAL IN CHARGE LORI VIEROW

PROFESSIONAL LANDSCAPE ARCHITECT LICENSE NO. 157.001163

PROJECT MANAGER LORI VIEROW

QUALITY CONTROL SARAH DREIER DRAWN BY

PROJECT NAME

JEAN SHI

DEERPATH
PARK:
DRAGON AREA

VERNON HILLS
ILLINOIS

299 ONWENTSIA ROAD

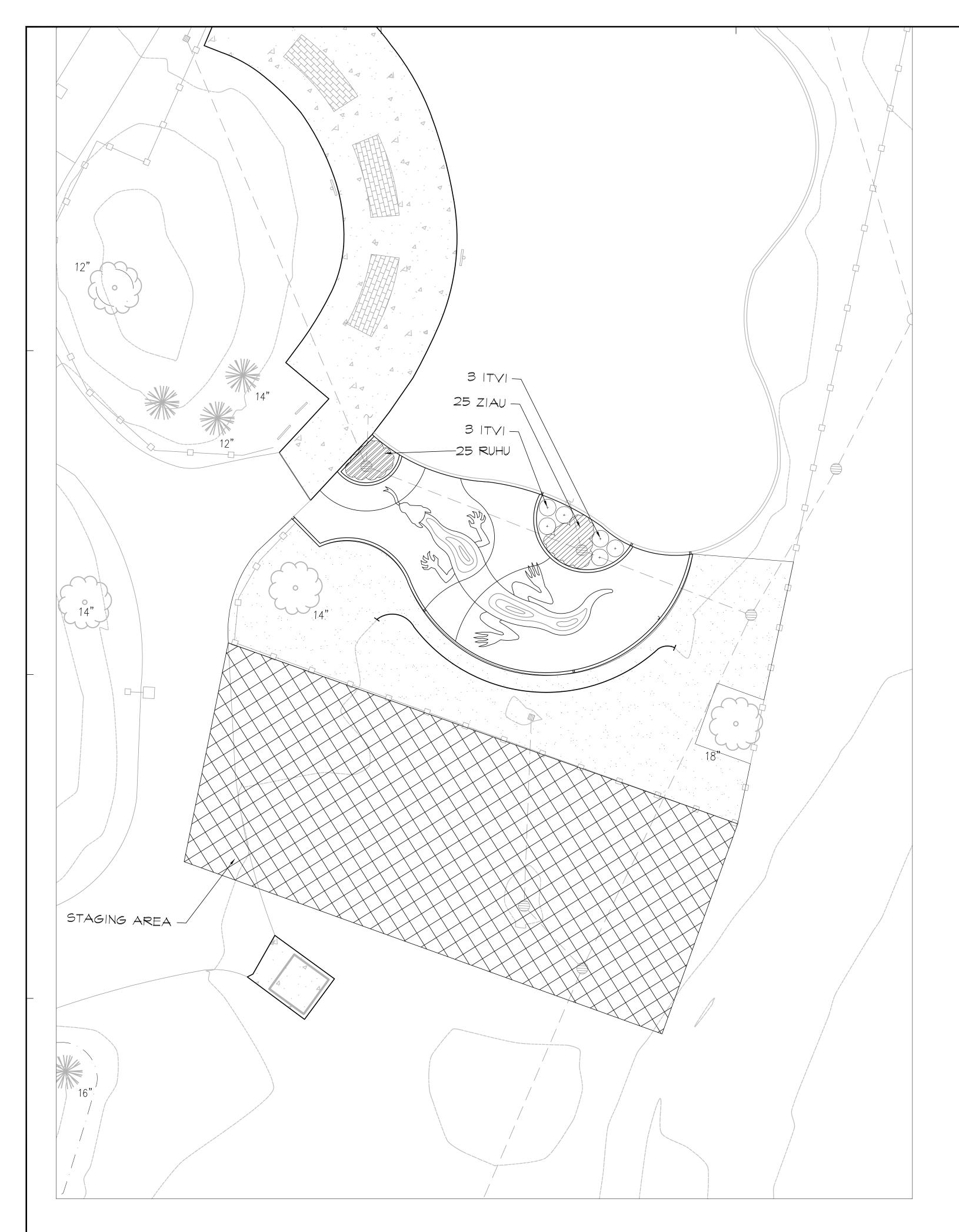
PROJECT NUMBER

SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

SD4.1



NORTH SCALE: 1'' = 10'

# <u>LEGEND</u>

SEEDING AREA STAGING AREA

# LANDSCAPE PLAN NOTES:

- 1. FINE GRADE AND SEED DISTURBED AREA WITH KENTUCKY BLUE GRASS BLEND AND INSTALL EROSION CONTROL BLANKET.
- 2. ANY DAMAGE TO EXISTING LANDSCAPE AREAS SHALL BE REPLACED AND/OR REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- 3. PLANTING BEDS SHALL HAVE A 3" CULTIVATED EDGE.

# <u>PLANT LIST</u>

Qty.	Scientific Name	Common Name	Size
Shrubs			
6	Itea virginica 'Sprich'	Little Henry Virginia Sweetspire	#05/5gal
S			
25	Ruellia humilis	Wild Petunia	#01/1 gal
25	Zizia aurea	Golden Alexander	#01/1 gal
•	•	•	•
3600 SF	Sunny Mix Bluegrass Blend	Sunny Mix Bluegrass Blend	
	6 S 25 25	6 Itea virginica 'Sprich'  S 25 Ruellia humilis  25 Zizia aurea	6 Itea virginica 'Sprich'  25 Ruellia humilis  25 Zizia aurea  Golden Alexander

#### <u>BENCHMARK</u>

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**LORI VIEROW** PROFESSIONAL LANDSCAPE ARCHITECT LICENSE NO. 157.001163 PROJECT MANAGER LORI VIEROW QUALITY CONTROL SARAH DREIER

**DRAWN BY** JEAN SHI **PROJECT NAME** 

DEERPATH PARK: DRAGON AREA

VERNON HILLS **ILLINOIS** 

299 ONWENTSIA ROAD

PROJECT NUMBER

SHEET TITLE LANDSCAPE **PLAN**