

Dorney Park Sidewalks Hamilton Boulevard

PROFESSIONAL STAFF CONSULTATION 2023-405

Planning Commission, September 12, 2024

Attachments

Memorandum

Location and Intent

Previous Township Consideration

Reviewing Agencies Comments

Community Development Department Recommendation

Site Plan

Township Engineer Review

Township Geotechnical Consultant Review

Public Safety Commission Review

Frontage Improvement Agreement

Memorandum

TO: PLANNING COMMISSION

FROM: David Manhardt, AICP, Director of Community Development

SUBJECT: Dorney Park Sidewalks Hamilton Boulevard

PROFESSIONAL STAFF CONSULTATION 2023-405 REQUEST FOR PRELIMINARY/FINAL PLAN REVIEW

DATE: September 6, 2024

COPIES: BOARD OF COMMISSIONERS, T. PETRUCCI, D. MANHARDT, L. HARRIER, J. ZATOR,

ESQ., J. ALDERFER, ESQ, A. TALLARIDA, S. PIDCOCK, APPLICANT, SUB. FILE 2023-

405

Location and Intent

The Dorney Park Sidewalks Hamilton Boulevard Project was a condition of the Dorney Park 2024 Project. The sidewalk project connects the intersection of Haines Mill with the existing sidewalk at the driveway entrance to Dorney Park. This project is being presented as a "Direction and Discussion" item because the ultimate approval and modifications are under the purview of PennDOT.



Previous Township Consideration

The Dorney Park Project 2024 received Board of Commissioners approval at their April 19, 2023 meeting. The approving resolution required the applicant to execute an agreement the Township regarding frontage improvement. This agreement was executed on March 21, 2024.

Reviewing Agencies Comments

Township Engineer

The review letter dated September 5, 2024, includes comments related to sight triangles, slopes, drafting comments, and identifying other agency comments that may be addressed.

Township Geotechnical Consultant

The review letter dated August 26, 2024, seeks additional clarification including the location of a wall noted on the plan.

Public Safety Commission

The Public Safety Commission reviewed the plan at its September 9, 2024 meeting. Their comments are contained in Mr. John Frantz's email dated September 10, 2024. The Public Safety Commission recommended that illumination should be provided for the sidewalk.

Pennsylvania Department of Transportation

PennDOT has expressed support for the sidewalk layout per an email sent May 30, 2024 and requested formal engineering plans. The applicant can provide additional information relating to any correspondence with PennDOT.

Lehigh and Northampton Transit Agency. (LANTA)

Applicant should review any correspondence and involvement with LANTA.

South Whitehall Planning Document Review

Community Development staff has reviewed the project for consistency with current and indevelopment long-range plans. Staff has determined that this project is consistent with the transportation and land use goals of the Township Comprehensive Plan and forwards the prospective goals and recommendations of the Township's Active Transportation Plan/Safety Action Plan currently in development.

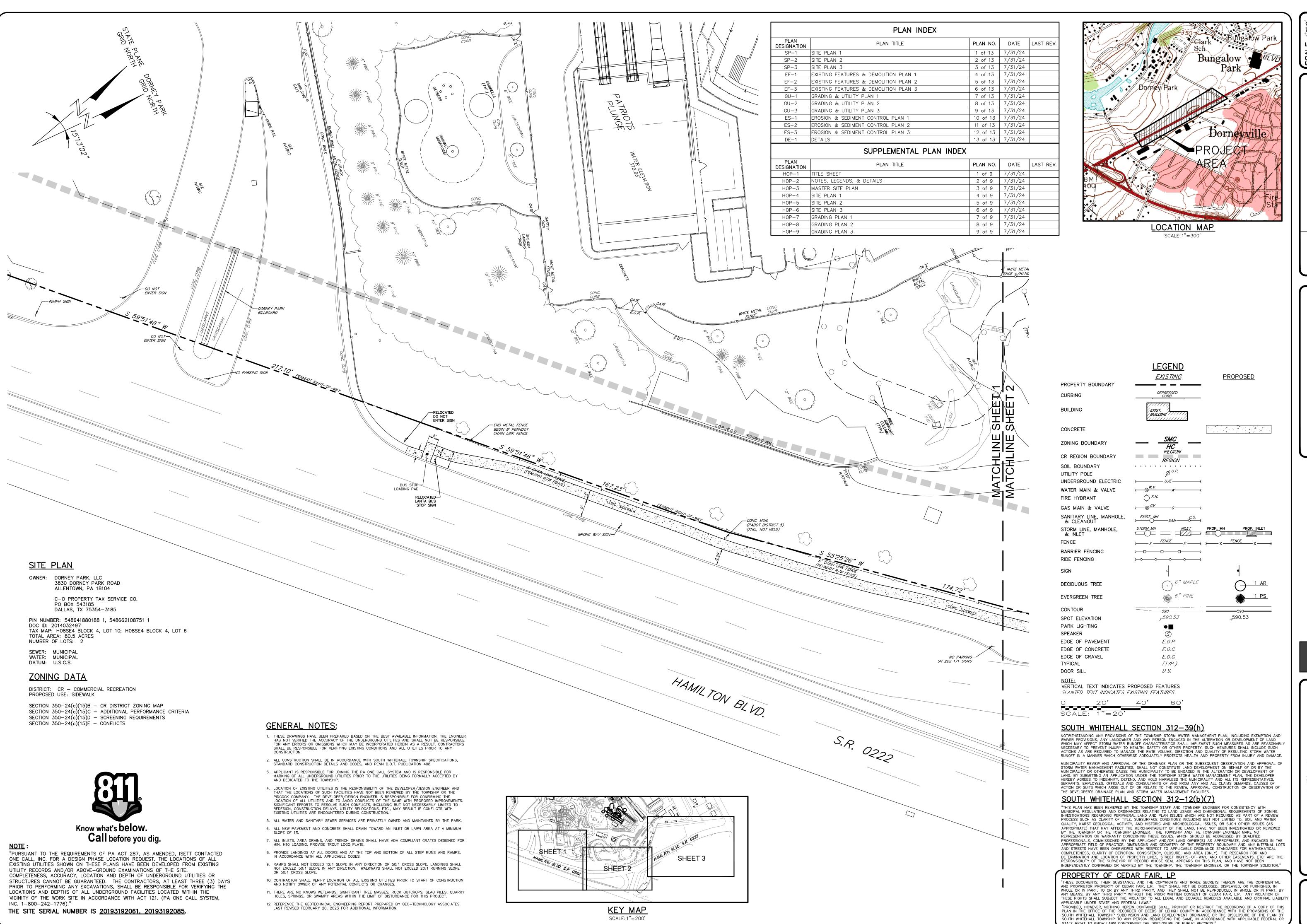
Community Development Department Recommendation

As a Direction and Discussion item, there is no formal action required.

Planning Commission deadline to act on the plan: Not Applicable

Board of Commissioners deadline to act on the plan: Not Applicable

Site Plan

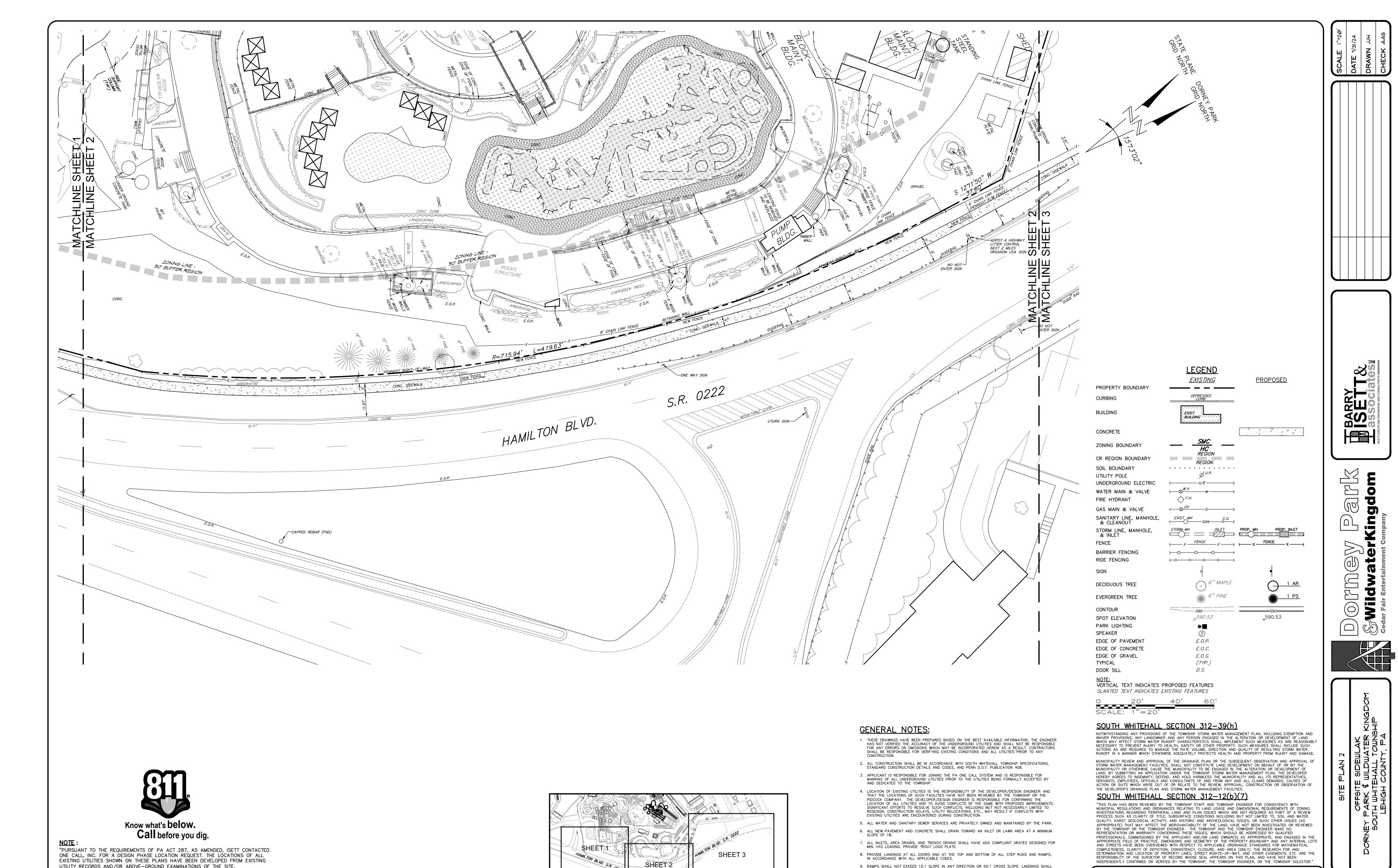


SHEET NO.

1 OF 13

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KEY MAP SCALE: 1"=200'

UTILITY RECORDS AND/OR ABOVE-GROUND EXAMINATIONS OF THE SITE.

THE SITE SERIAL NUMBER IS <u>20193192061</u>, <u>20193192085</u>.

INC. 1-800-242-1776)."

COMPLETENESS, ACCURACY, LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. THE CONTRACTORS, AT LEAST THREE (3) DAYS

LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES LOCATED WITHIN THE

VICINITY OF THE WORK SITE IN ACCORDANCE WITH ACT 121. (PA ONE CALL SYSTEM,

PRIOR TO PERFORMING ANY EXCAVATIONS, SHALL BE RESPONSIBLE FOR VERIFYING THE

9. RAMPS SHALL NOT EXCEED 12:1 SLOPE IN ANY DIRECTION OR 50:1 CROSS SLOPE. LANDINGS SHALL NOT EXCEED 50:1 SLOPE IN ANY DIRECTION. WALKWAYS SHALL NOT EXCEED 20:1 RUNNING SLOPE OR 50:1 CROSS SLOPE.

10. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND NOTIFY OWNER OF ANY POTENTIAL CONFLICTS OR CHANGES.

11. THERE ARE NO KNOWS WETLANDS, SIGNIFICANT TREE MASSES, ROCK OUTCROPS, SLAG PILES, QUARRY HOLES, SPRINGS, OR SWAMPY AREAS WITHIN THE LIMIT OF DISTURBANCE FOR THIS PROJECT.

12. REFERENCE THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY GEO-TECHNOLOGY ASSOCIATES LAST REVISED FEBRUARY 20, 2023 FOR ADDITIONAL INFORMATION.

PROPERTY OF CEDAR FAIR, LP

STATE RIGHT TO KNOW LAWS CONCERNING THE DISCLOSURE OF PUBLIC RECORDS."

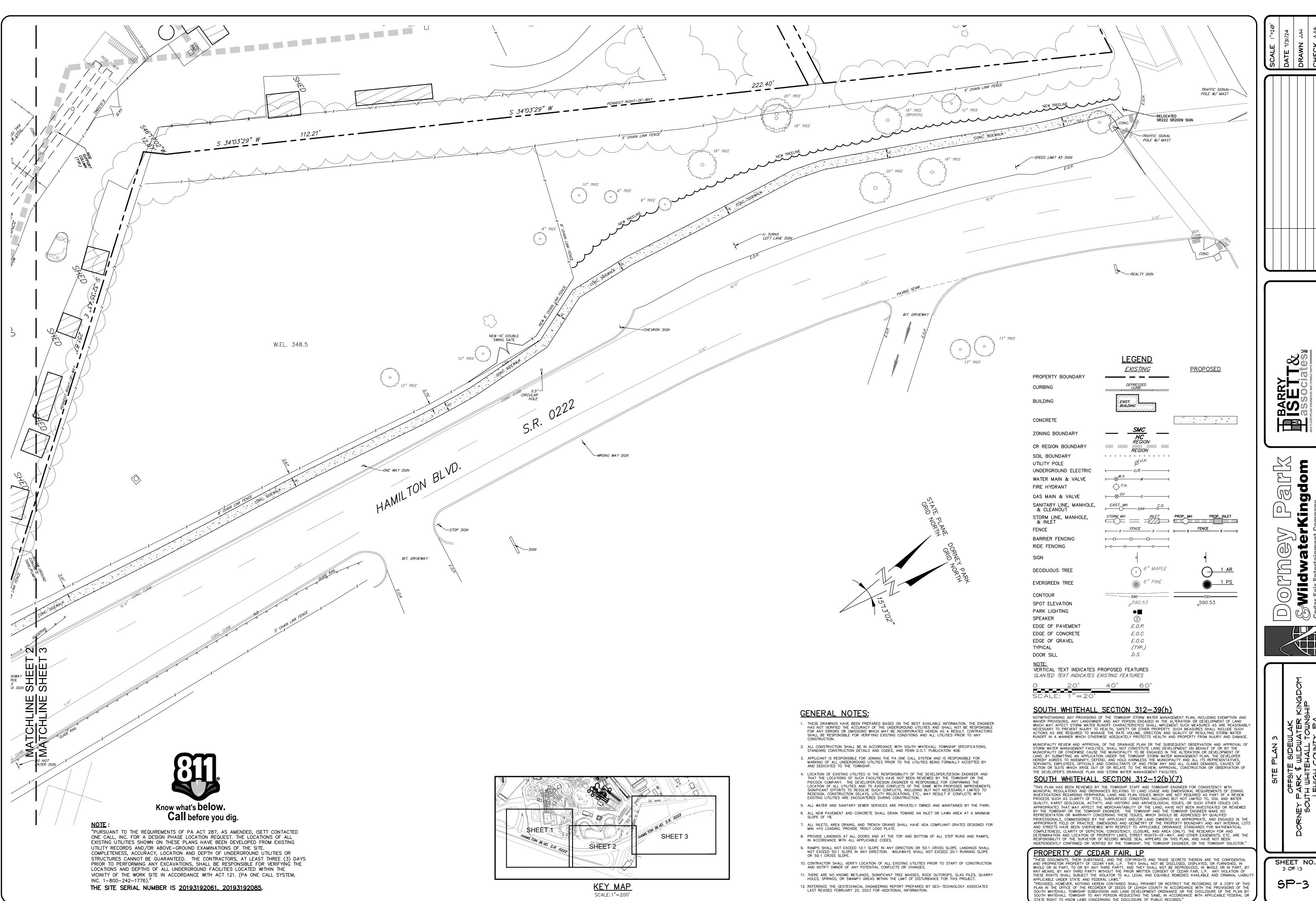
APPLICABLE UNDER STATE AND FEDERAL LAWS."

"THESE DOCUMENTS, THEIR SUBSTANCE, AND THE COPYRIGHTS AND TRADE SECRETS THEREIN ARE THE CONFIDENTIAL AND PROPRIETOR PROPERTY OF CEDAR FAIR, L.P. THEY SHALL NOT BE DISCLOSED, DISPLAYED, OR FURNISHED, IN WHOLE OR IN PART, TO OR BY ANY THIRD PARTY, AND THEY SHALL NOT BE REPRODUCED, IN WHOLE OR IN PART, BY ANY MEANS, BY ANY THIRD PARTY WITHOUT THE PRIOR WRITTEN CONSENT OF CEDAR FAIR, L.P. ANY VIOLATION OF THESE RIGHTS SHALL SUBJECT THE VIOLATOR TO ALL LEGAL AND EQUABLE REMEDIES AVAILABLE AND CRIMINAL LIABILITY APPLICABLE LINDER STATE AND FEDERAL LAWS."

2 OF 13

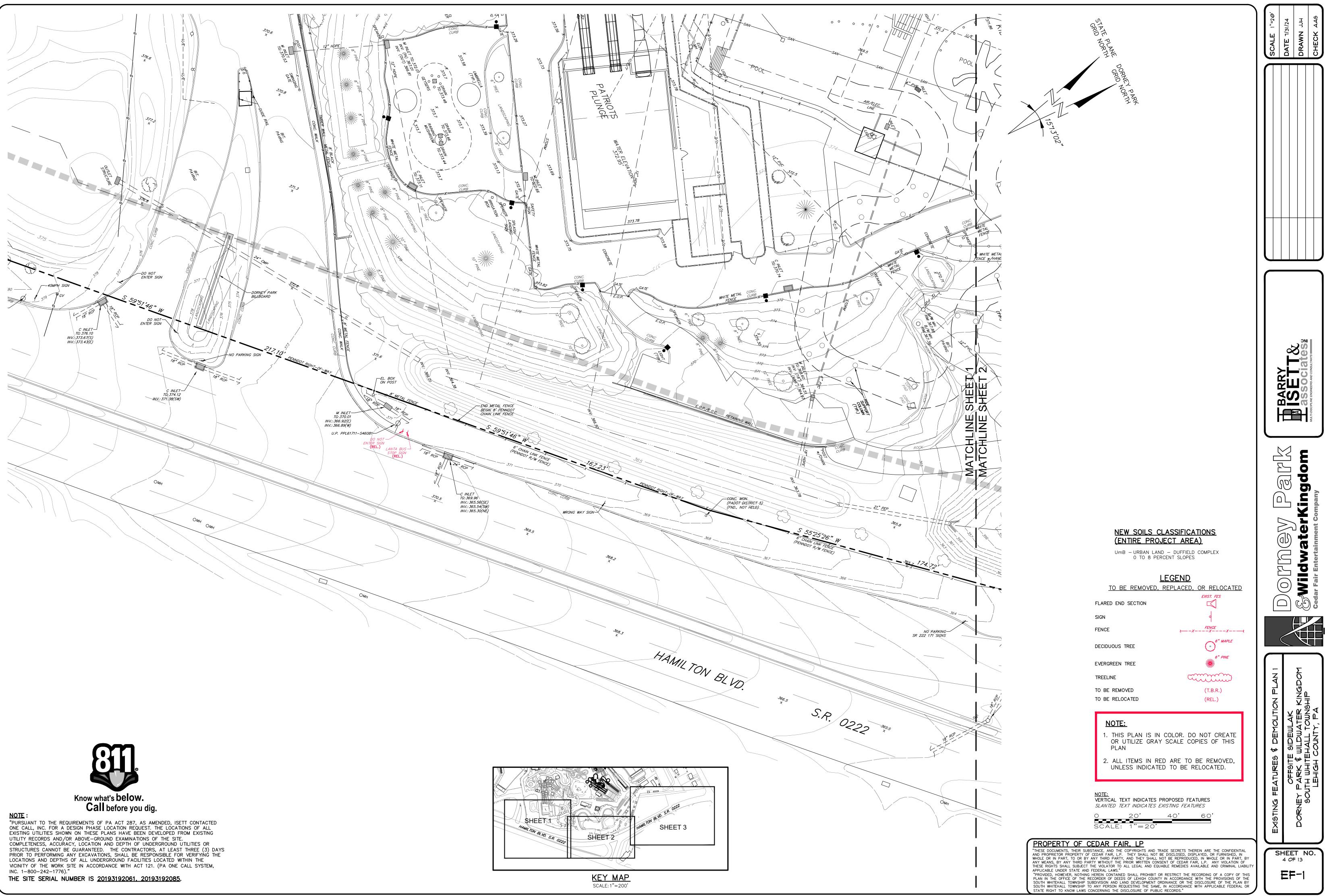
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"PROVIDED, HOWEVER, NOTHING HEREIN CONTAINED SHALL PROHIBIT OR RESTRICT THE RECORDING OF A COPY OF THIS PLAN IN THE OFFICE OF THE RECORDER OF DEEDS OF LEHIGH COUNTY IN ACCORDANCE WITH THE PROVISIONS OF THE SOUTH WHITEHALL TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE OR THE DISCLOSURE OF THE PLAN BY SOUTH WHITEHALL TOWNSHIP TO ANY PERSON REQUESTING THE SAME, IN ACCORDANCE WITH APPLICABLE FEDERAL OR ISETT PROJECT NO.: 1026619.002

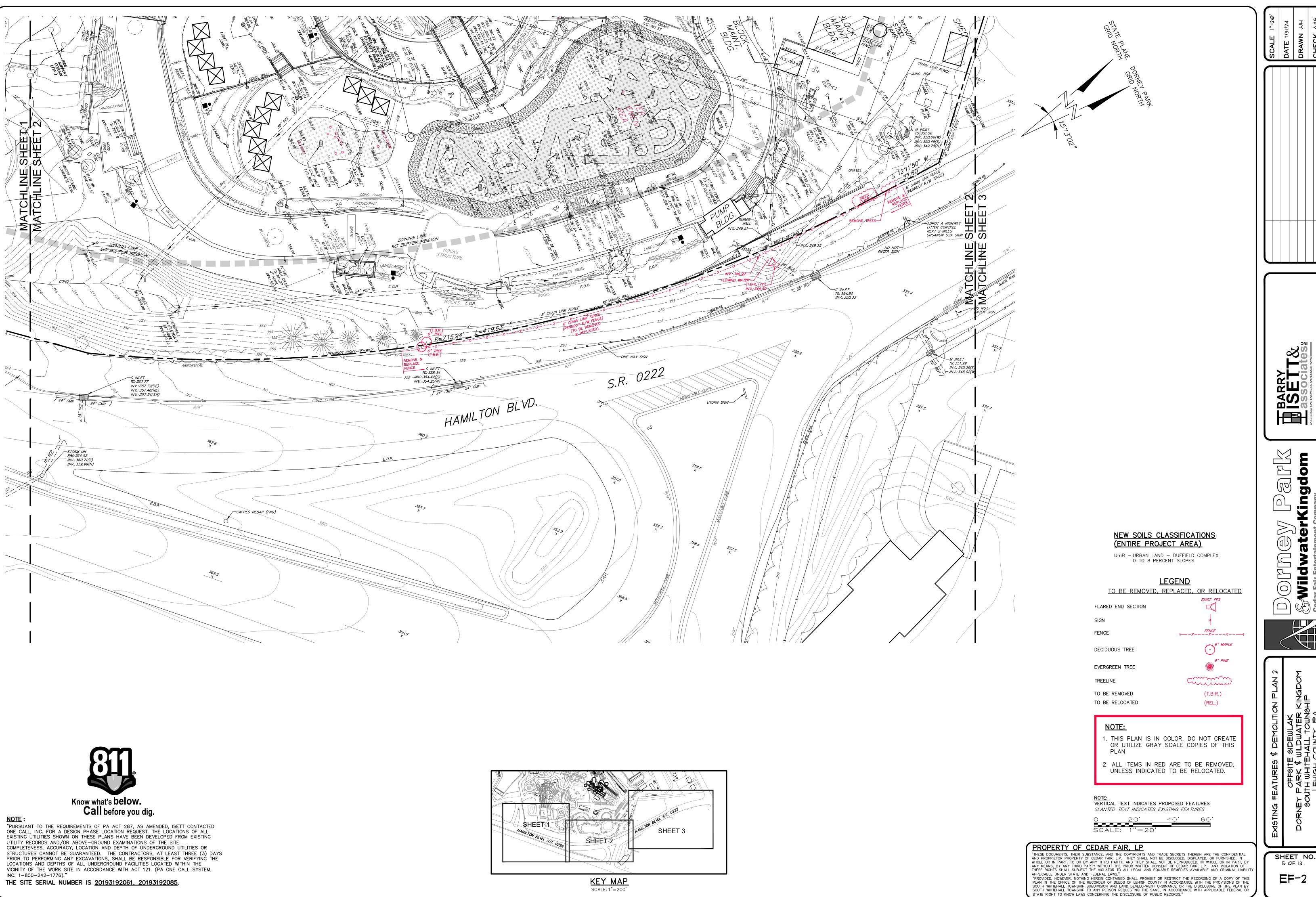


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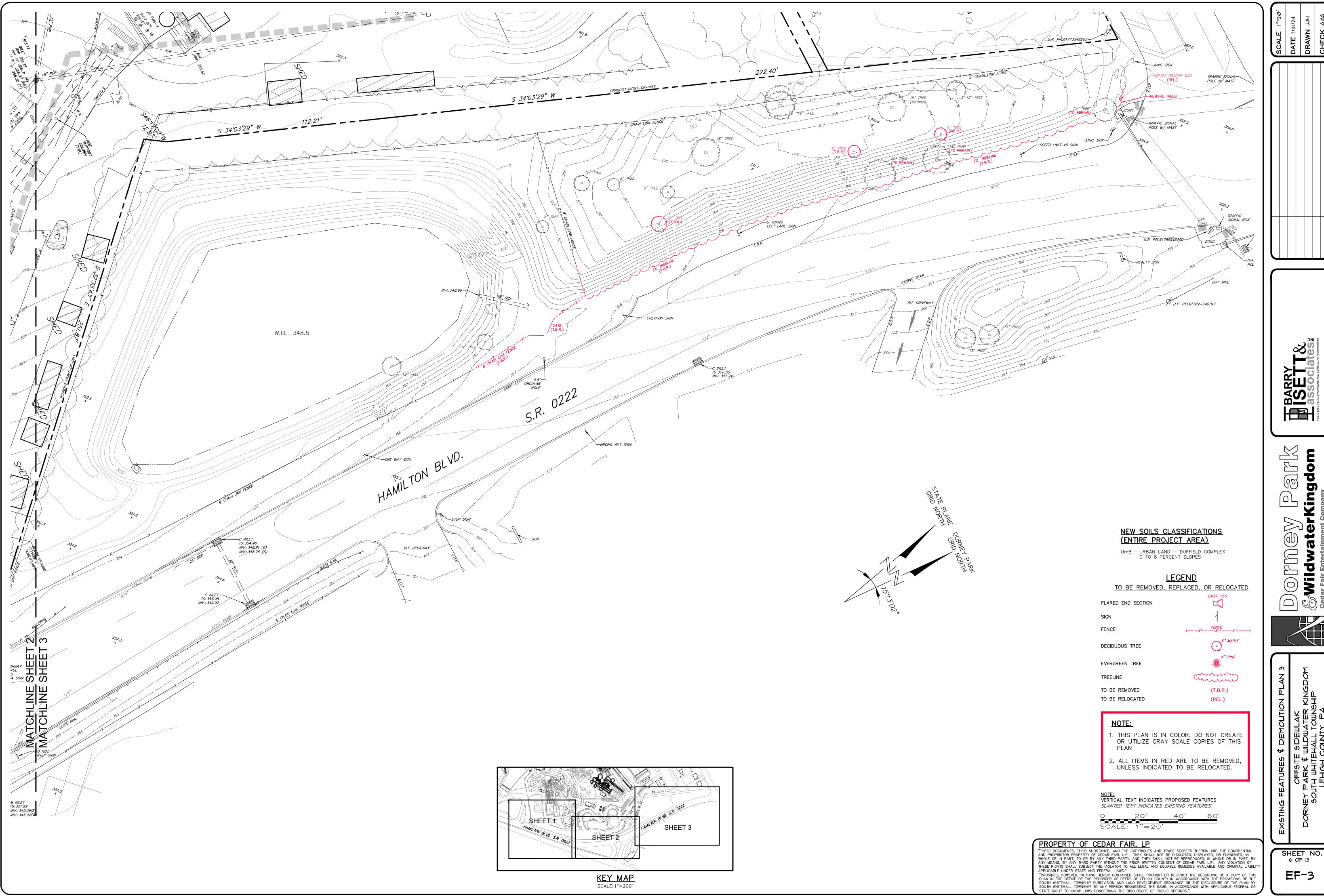


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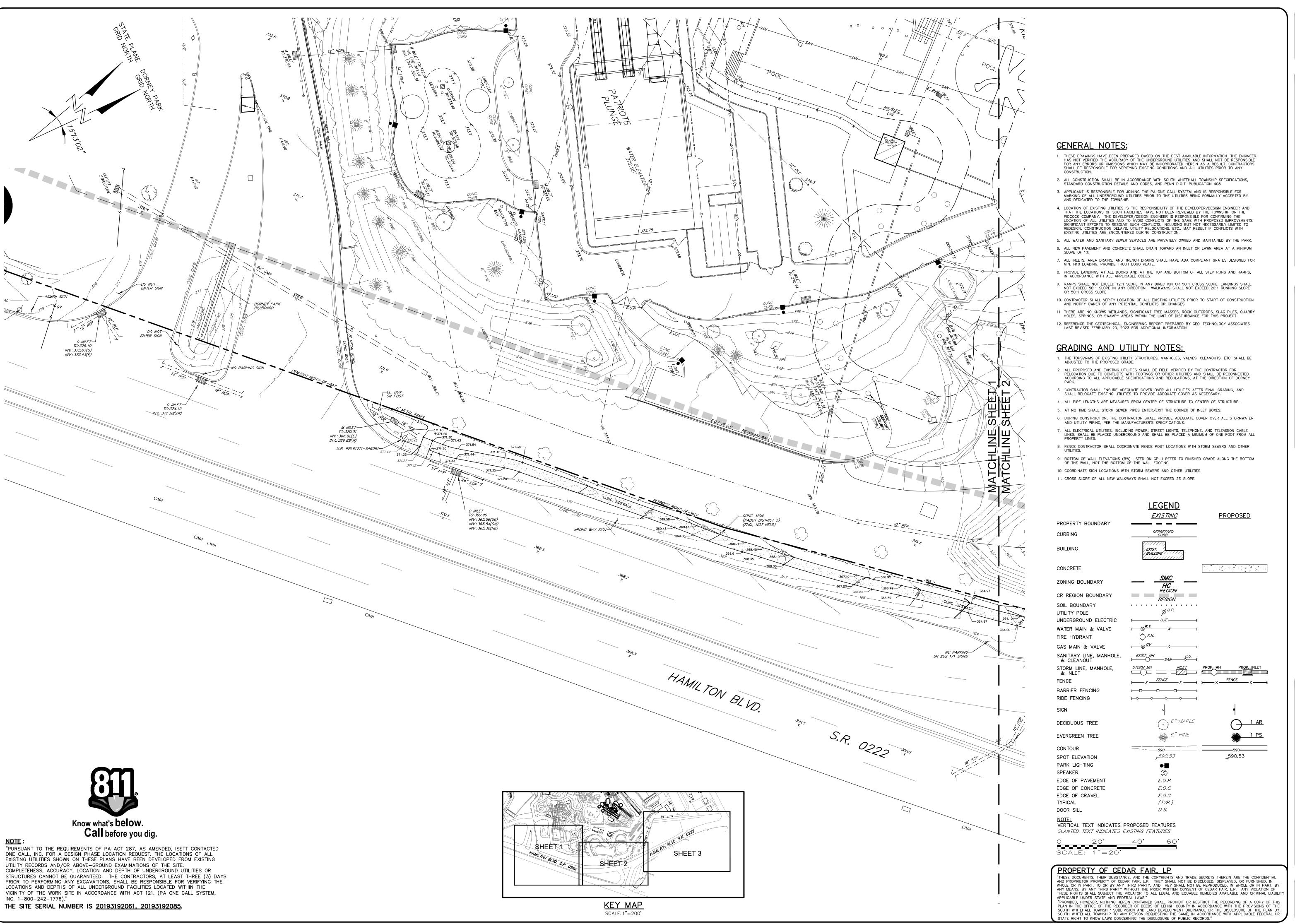


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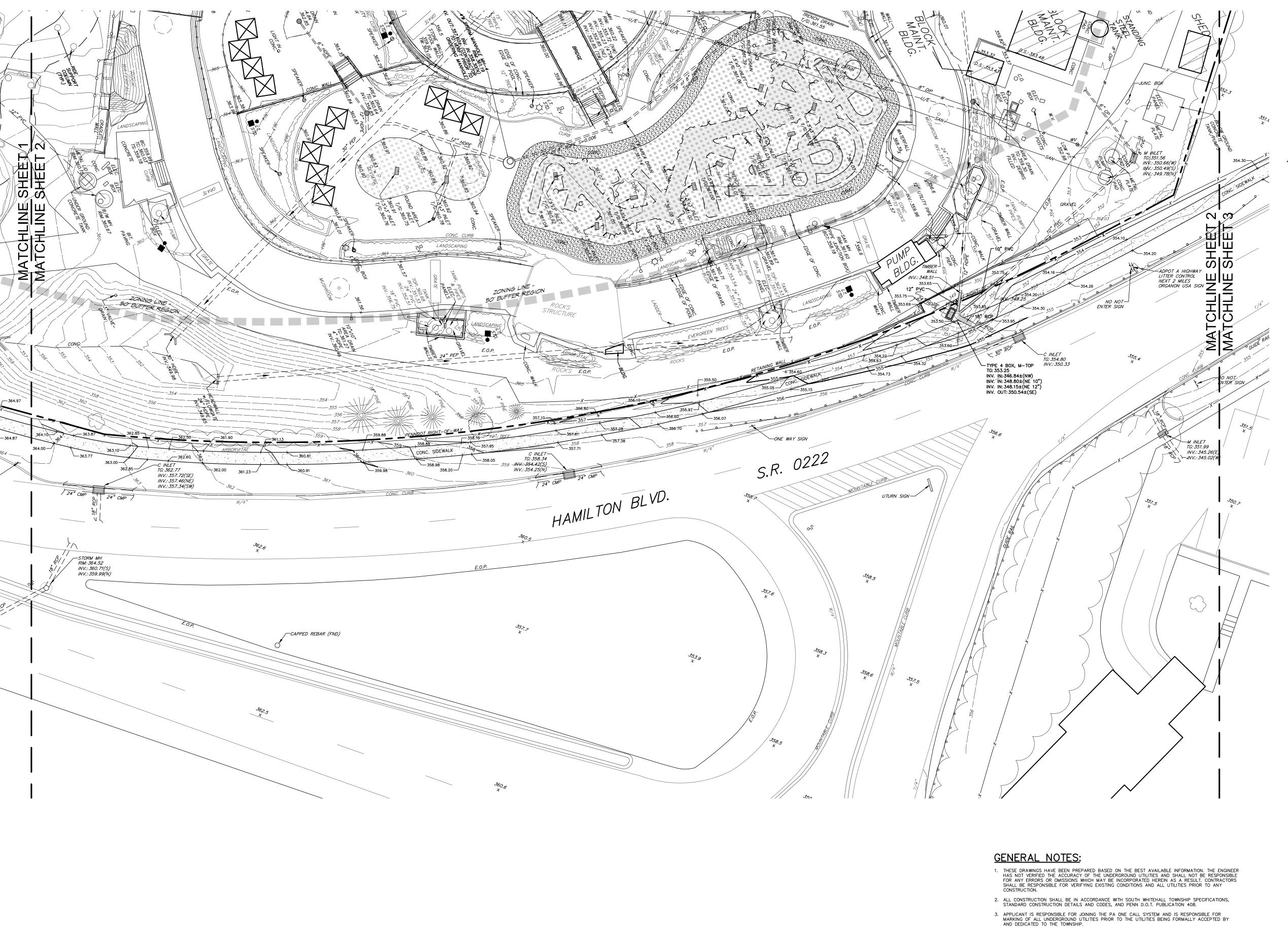


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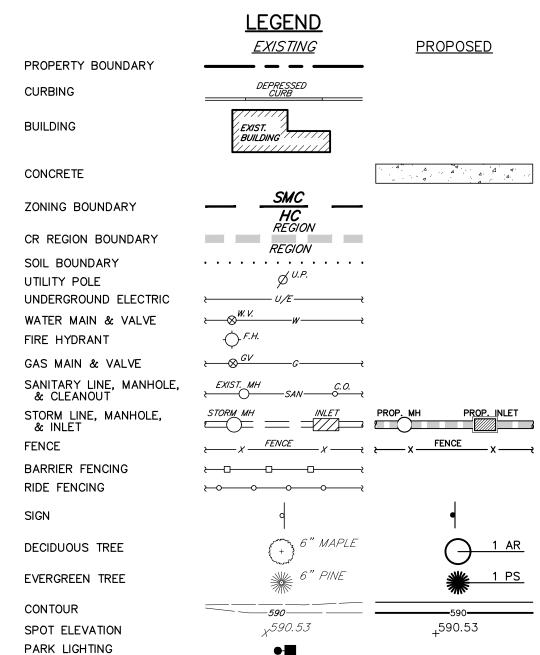
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- 4. LOCATION OF EXISTING UTILITIES IS THE RESPONSIBILITY OF THE DEVELOPER/DESIGN ENGINEER AND THAT THE LOCATIONS OF SUCH FACILITIES HAVE NOT BEEN REVIEWED BY THE TOWNSHIP OR THE
- PIDCOCK COMPANY. THE DEVELOPER/DESIGN ENGINEER IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UTILITIES AND TO AVOID CONFLICTS OF THE SAME WITH PROPOSED IMPROVEMENTS. SIGNIFICANT EFFORTS TO RESOLVE SUCH CONFLICTS, INCLUDING BUT NOT NECESSARILY LIMITED TO REDESIGN, CONSTRUCTION DELAYS, UTILITY RELOCATIONS, ETC., MAY RESULT IF CONFLICTS WITH EXISTING UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION. 5. ALL WATER AND SANITARY SEWER SERVICES ARE PRIVATELY OWNED AND MAINTAINED BY THE PARK.
- 6. ALL NEW PAVEMENT AND CONCRETE SHALL DRAIN TOWARD AN INLET OR LAWN AREA AT A MINIMUM SLOPE OF 1%.
- 7. ALL INLETS, AREA DRAINS, AND TRENCH DRAINS SHALL HAVE ADA COMPLIANT GRATES DESIGNED FOR MIN. H10 LOADING. PROVIDE TROUT LOGO PLATE.
- 8. PROVIDE LANDINGS AT ALL DOORS AND AT THE TOP AND BOTTOM OF ALL STEP RUNS AND RAMPS, IN ACCORDANCE WITH ALL APPLICABLE CODES.
- RAMPS SHALL NOT EXCEED 12:1 SLOPE IN ANY DIRECTION OR 50:1 CROSS SLOPE. LANDINGS SHALL NOT EXCEED 50:1 SLOPE IN ANY DIRECTION. WALKWAYS SHALL NOT EXCEED 20:1 RUNNING SLOPE OR 50:1 CROSS SLOPE.
- 10. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND NOTIFY OWNER OF ANY POTENTIAL CONFLICTS OR CHANGES.
- 11. THERE ARE NO KNOWS WETLANDS, SIGNIFICANT TREE MASSES, ROCK OUTCROPS, SLAG PILES, QUARRY HOLES, SPRINGS, OR SWAMPY AREAS WITHIN THE LIMIT OF DISTURBANCE FOR THIS PROJECT.
- 12. REFERENCE THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY GEO-TECHNOLOGY ASSOCIATES LAST REVISED FEBRUARY 20, 2023 FOR ADDITIONAL INFORMATION.

GRADING AND UTILITY NOTES:

- THE TOPS/RIMS OF EXISTING UTILITY STRUCTURES, MANHOLES, VALVES, CLEANOUTS, ETC. SHALL BE ADJUSTED TO THE PROPOSED GRADE.
 - 2. ALL PROPOSED AND EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR FOR RELOCATION DUE TO CONFLICTS WITH FOOTINGS OR OTHER UTILITIES AND SHALL BE RECONNECTED ACCORDING TO ALL APPLICABLE SPECIFICATIONS AND REGULATIONS, AT THE DIRECTION OF DORNEY
 - 3. CONTRACTOR SHALL ENSURE ADEQUATE COVER OVER ALL UTILITIES AFTER FINAL GRADING, AND SHALL RELOCATE EXISTING UTILITIES TO PROVIDE ADEQUATE COVER AS NECESSARY.
 - 4. ALL PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
 - 5. AT NO TIME SHALL STORM SEWER PIPES ENTER/EXIT THE CORNER OF INLET BOXES. 6. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE COVER OVER ALL STORMWATER
 - AND UTILITY PIPING, PER THE MANUFACTURER'S SPECIFICATIONS.
- ALL ELECTRICAL UTILITIES, INCLUDING POWER, STREET LIGHTS, TELEPHONE, AND TELEVISION CABLE LINES, SHALL BE PLACED UNDERGROUND AND SHALL BE PLACED A MINIMUM OF ONE FOOT FROM ALL PROPERTY LINES.
- 8. FENCE CONTRACTOR SHALL COORDINATE FENCE POST LOCATIONS WITH STORM SEWERS AND OTHER UTILITIES.
- 9. BOTTOM OF WALL ELEVATIONS (BW) LISTED ON GP-1 REFER TO FINISHED GRADE ALONG THE BOTTOM OF THE WALL, NOT THE BOTTOM OF THE WALL FOOTING.
- 10. COORDINATE SIGN LOCATIONS WITH STORM SEWERS AND OTHER UTILITIES. 11. CROSS SLOPE OF ALL NEW WALKWAYS SHALL NOT EXCEED 2% SLOPE.



E.O.P. E.O.C.

E.O.G.

(TYP.)

D.S.

VERTICAL TEXT INDICATES PROPOSED FEATURES SLANTED TEXT INDICATES EXISTING FEATURES

SPEAKER

TYPICAL

DOOR SILL

EDGE OF PAVEMENT

EDGE OF CONCRETE

EDGE OF GRAVEL

PROPERTY OF CEDAR FAIR, LP "THESE DOCUMENTS, THEIR SUBSTANCE, AND THE COPYRIGHTS AND TRADE SECRETS THEREIN ARE THE CONFIDENTIAL AND PROPRIETOR PROPERTY OF CEDAR FAIR, L.P. THEY SHALL NOT BE DISCLOSED, DISPLAYED, OR FURNISHED, IN WHOLE OR IN PART, TO OR BY ANY THIRD PARTY, AND THEY SHALL NOT BE REPRODUCED, IN WHOLE OR IN PART, BY ANY MEANS, BY ANY THIRD PARTY WITHOUT THE PRIOR WRITTEN CONSENT OF CEDAR FAIR, L.P. ANY VIOLATION OF THESE RIGHTS SHALL SUBJECT THE VIOLATOR TO ALL LEGAL AND EQUABLE REMEDIES AVAILABLE AND CRIMINAL LIABILITY APPLICABLE UNDER STATE AND FEDERAL LAWS."

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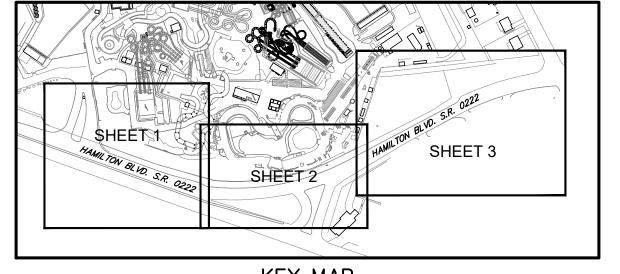
ISETT PROJECT NO.: 1026619.002



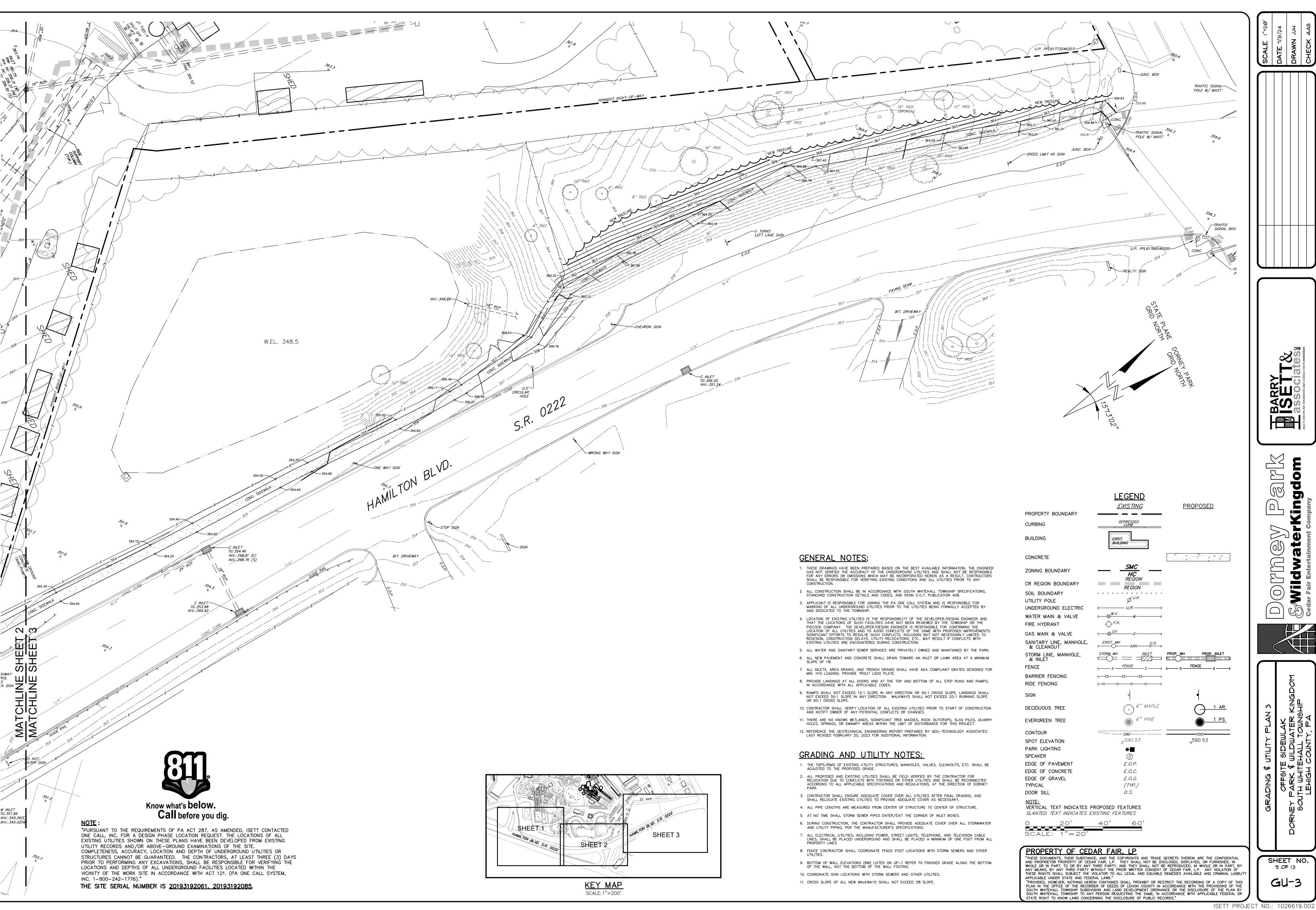
Know what's below. Call before you dig.

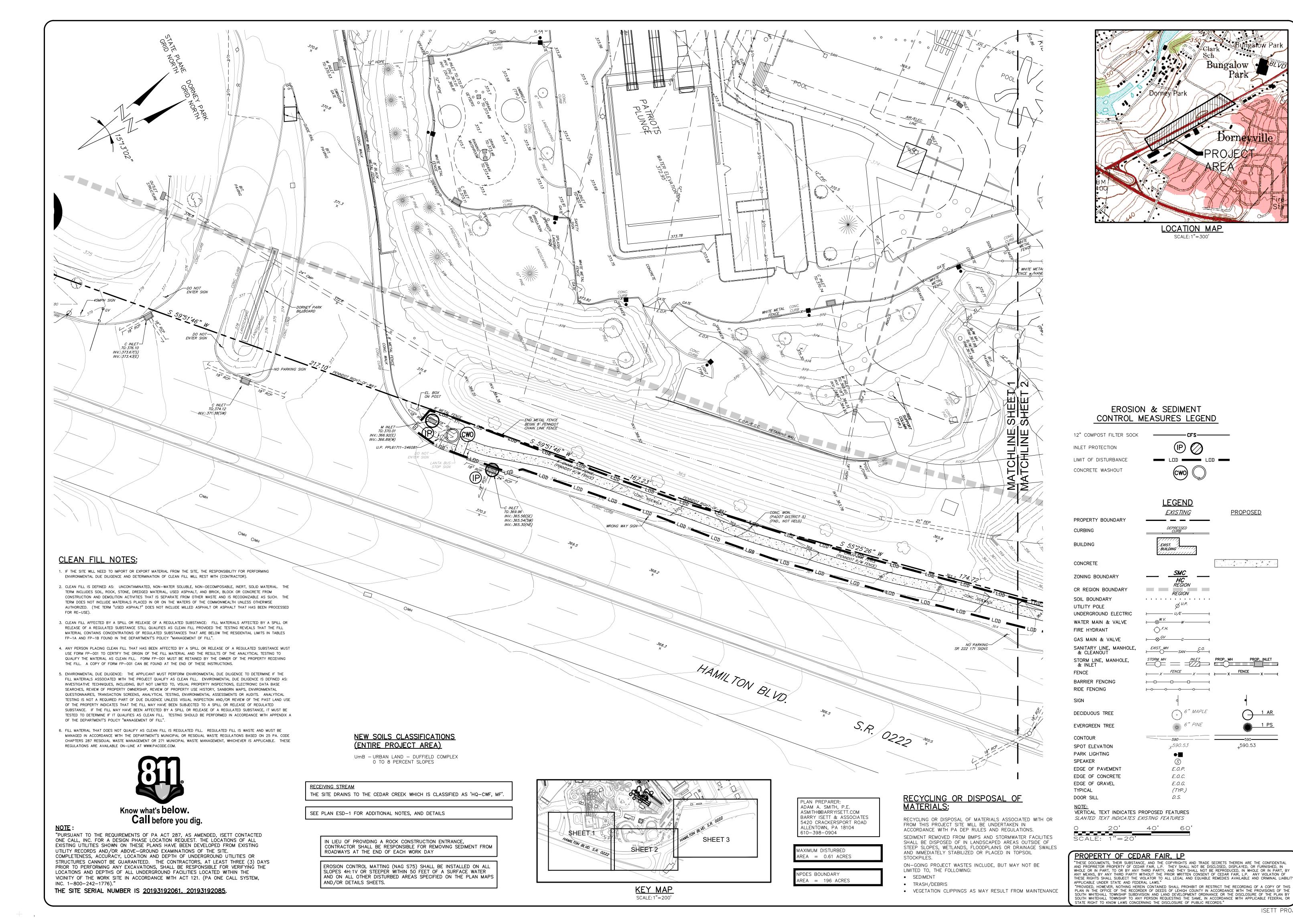
"PURSUANT TO THE REQUIREMENTS OF PA ACT 287, AS AMENDED, ISETT CONTACTED ONE CALL, INC. FOR A DESIGN PHASE LOCATION REQUEST. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND/OR ABOVE-GROUND EXAMINATIONS OF THE SITE. COMPLETENESS, ACCURACY, LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. THE CONTRACTORS, AT LEAST THREE (3) DAYS PRIOR TO PERFORMING ANY EXCAVATIONS, SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES LOCATED WITHIN THE VICINITY OF THE WORK SITE IN ACCORDANCE WITH ACT 121. (PA ONE CALL SYSTEM, INC. 1-800-242-1776)."

THE SITE SERIAL NUMBER IS <u>20193192061</u>, <u>20193192085</u>.



KEY MAP SCALE: 1"=200'



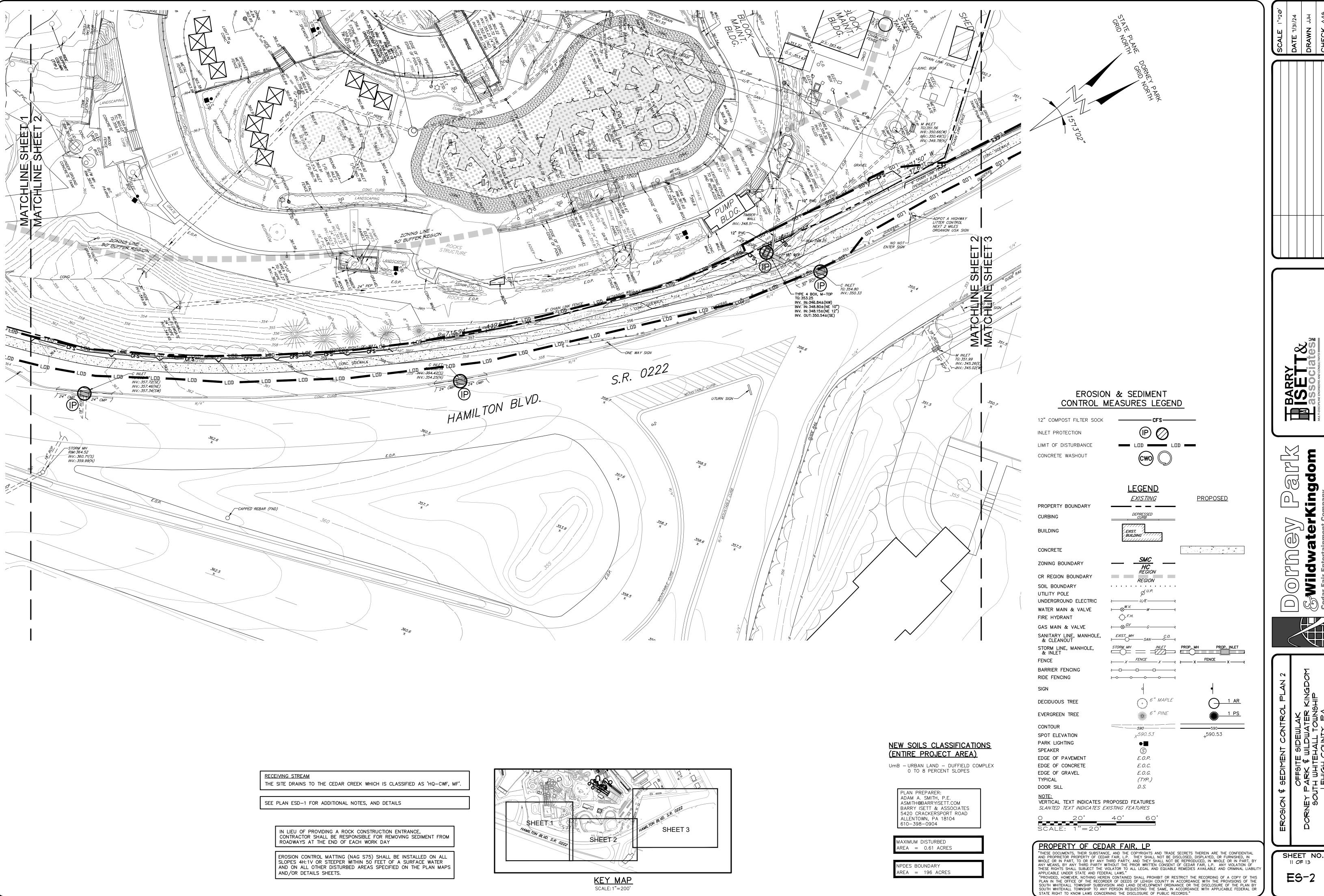


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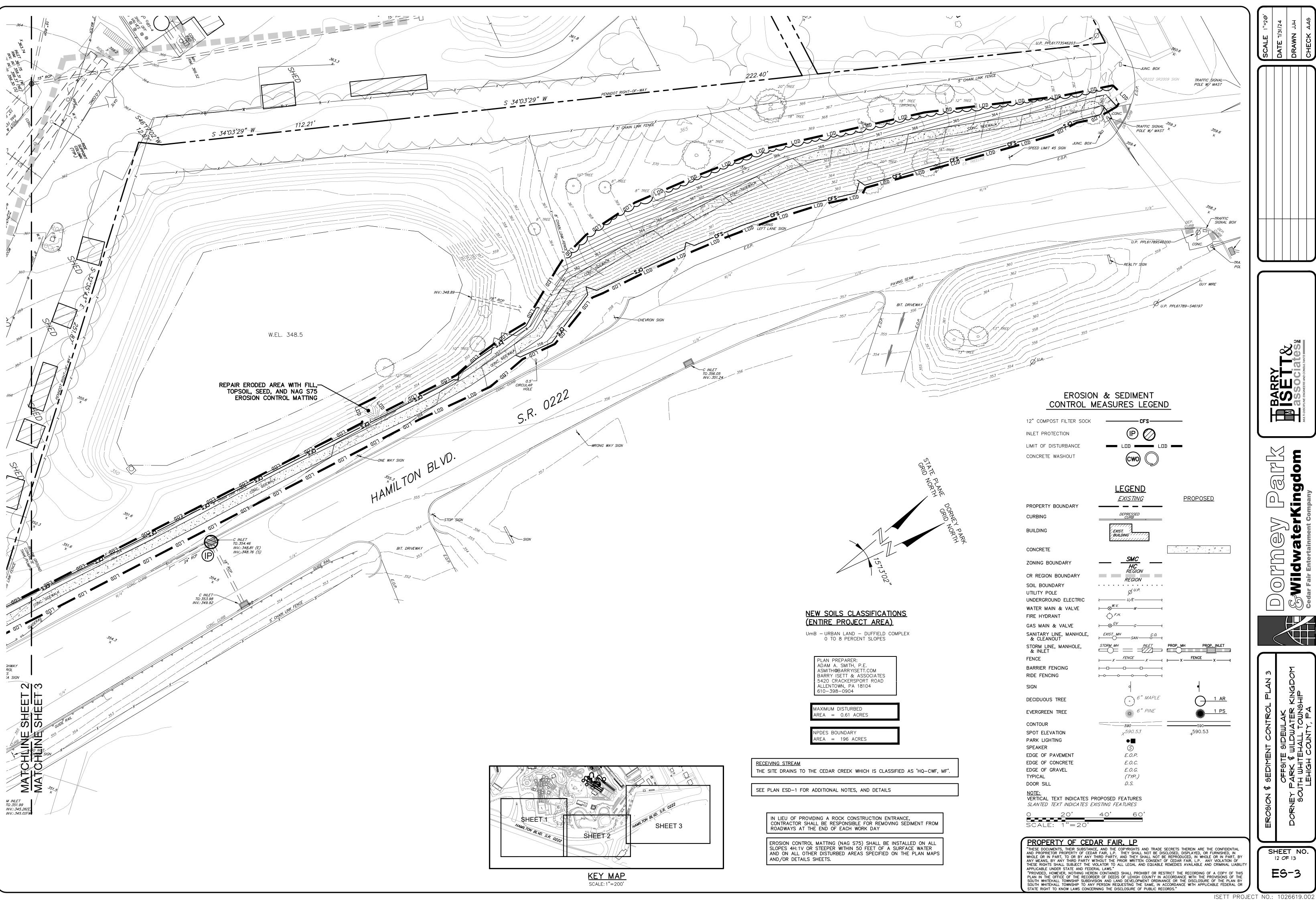
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12 OF 13

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SOURCE: Penn State College of Agriculture Sciences, EROSION CONTROL AND CONSERVATION PLANTINGS ON NONCROPLAND by Peter Landschoot, 1997 or as SEED SPECIES BY SITE RATE (LB./1000 SF) KENTUCKY BLUEGRASS (POA PRATENSIS) and TURF-TYPE PERENNIAL RYEGRASS (LOLIUM PERENNE) and FINE (RED or CHEWING) FESCUE (FESTUCA RUBA RUBA/COMMUTATA) **STEEP SLOPES (3:1 OR GREATER) UNIFORM COVER (MECHANICAL BROADCAST)
CHEWINGS FESCUE (FESTUCA RUBRA COMMUTATA) and BLUE FESCUE (FESTUCA OVINA GLAUCA) and HARD FESCUE (FESTUCA OVINA DURIUSCULA) and CREEPING RED FESCUE (FESTUCA RUBRA RUBRA) and SLENDER FESCUE (FESTUCA RUBRA TRICHOPHYLLA) and DAWSON RED FESCUE (FESTUCA RUBRA DAWSON) and ANNUAL RYEGRASS (FESTUCA MULTIFLORUM) *VARIETIES: JAMESTOWN II, WARWICK, FALCON, SPARTAN,

RELIANT II, SR3100, DISCOVERY, OSPREY

ARCOOSTOOK OR BALBO TYPE

EMPIRE, DAWN PENNGIFT

KENTUCKY BLUEGRASS - SR 2109, NORTH STAR, BLACKSBURG, BRILLIANT

Houndog V, Montauk, Marksman, and Apache II

-2 IN. x 2 IN. WOODEN STAKES

PLACED 10 FT ON

STABILIZE SOCK WITH

PLACED 10 FT ON CENTER

UNDISTURBED AREA

**ALSO TO BE PLANTED IN PORTIONS OF THE SITE THAT ARE INACCESSIBLE TO MOWING, AS DIRECTED BY OWNER

COMPOST FILTER SOCK-

FILTER SOCK-

BLOWN / PLACED

FILTÉR MEDIA-

DISTURBED AREA

RELIANT, WALDINA, SCALDIS

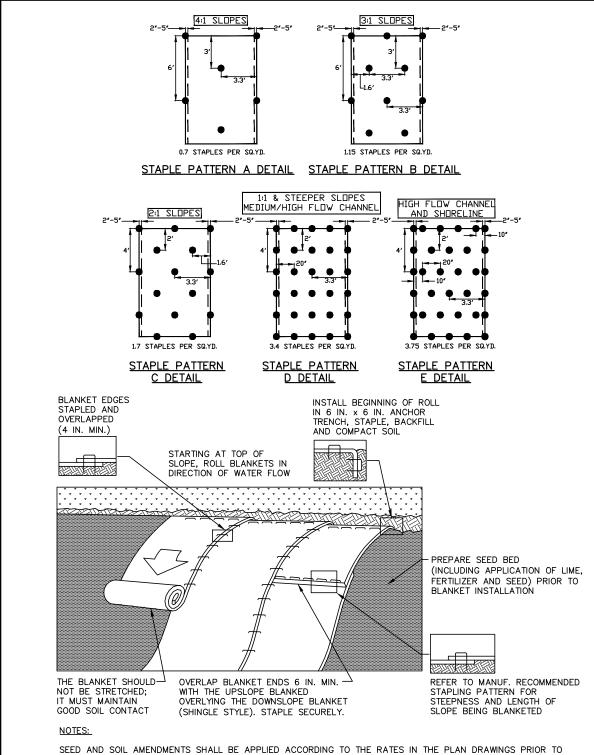
RECOMMENDED VARIETIES

TALL FESCUE

WINTER RYE

CROWNVETCH

BIRDSFOOT TREFOIL



PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY

BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

STANDARD CONSTRUCTION DETAIL #11-1

EROSION CONTROL BLANKET INSTALLATION

100% a 1000 h

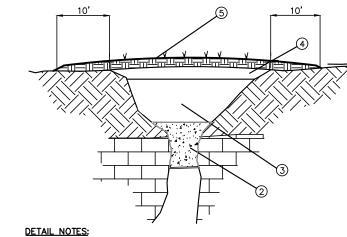
1 year

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

-- MAXIMUM DEPTH OF CONCRETE WASHOUT WATER IS 50% OF FILTER RING HEIGHT -2"X2"X36" WOODEN -24" DIAMETER COMPOST FILTER SOCK STAKES PLACED 5' 0.0 SECTION | IMPERMEARI E-OR PVC LINER -2"X2"X36" WOODEN IMPERVIOUS-STAKES PLACED 5' 0.0 GEOMEMBRANE WASHOUT WATER INTO -24" DIAMETER COMPOST FILTER SOCK. 4' MIN. OVERLAP ON UPSLOPE INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE. 2. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER <u>PLAN</u> SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO THE COMPOST SOCK WASHOUT DETAIL #3-18



1. OVER EXCAVATE SINKHOLE THROAT TO REMOVE ALL SOIL AND LOOSE ROCK.

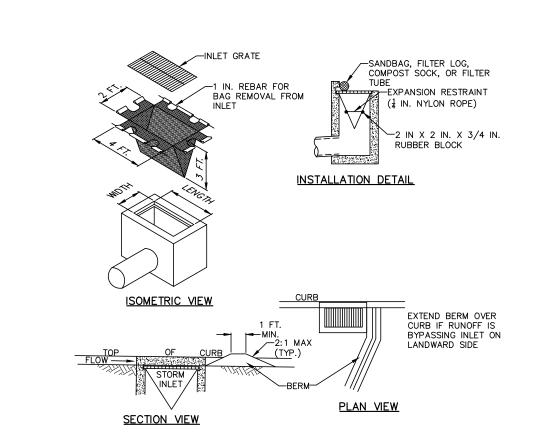
2. PLACE CONCRETE TO PLUG SINKHOLE THROAT. CONCRETE PLUG MATERIAL CAN BE LEAN CONCRETE OR FLOWABLE FILL WITH A 28 DAY COMPRESSIVE STRENGTH OF AT LEAST 100 PSI. 3. BACKFILL OVER THE PLUG WITH RELATIVELY IMPERMEABLE SOIL CLASSIFYING AS SANDY SILT (ML) OR LEAN CLAY (CL).
4. GRADE NATIVE CLAY TO DRAIN AWAY FROM THE AREA. 5. PLACE 4" OF TOPSOIL, RESEED OR SOD TO STABILIZE. 6. ALL STABILIZATION WORK SHOULD BE DONE UNDER SUPERVISION OF A GEOLOGIST OR ENGINEER FAMILIAR WITH SITE AND FOUNDATION CONDITIONS.

ADDITIONAL NOTES:

1. ANY SINKHOLE ENCOUNTERED IN BUILDING/ROADWAY/BASIN AREAS WHERE ROCK IS NOT ENCOUNTERED SHALL UTILIZE COMPACTION GROUTING.
2. SINKHOLES IN LANDSCAPING AREAS WHERE ROCK IS NOT ENCOUNTERED SHOULD FOLLOW THE FOLLOWING PROCEDURE: - EXCAVATE AND CLEAN HOLE TO MAXIMUM REACH OF EXCAVATION - PLACE A NON-WOVEN GEOTEXTILE AT BASE OF HOLE.

- PLACE A 2 TO 3 FOOT THICK LIFT OF A GRADES ROCK FILTER CONSISTING OF CRUSHED ROCK WITH VARYING PARTICLE SIZES. THE GRADED ROCK SHOULD VARY IN PARTICLE SIZE FROM 34 INCH TO 6 INCHES IN DIAMETER.
—PLACE NON—WOVEN GEOTEXTILE ON TOP OF ROCK FILTER TO PREVENT SOIL FROM BEING LOST IN ROCK FILTER. BACKFILL WITH 8 TO 10 INCH LIFTS OF RELATIVELY IMPERMEABLE SOIL CLASSIFYING AS SANDY SILT (ML) OR LEAN CLAY (CL). COMPACT LIFTS TO APPROXIMATELY 90% OF MAXIMUM DRY DENSITY PER ASTM D1557.

SINKHOLE MITIGATION DETAIL



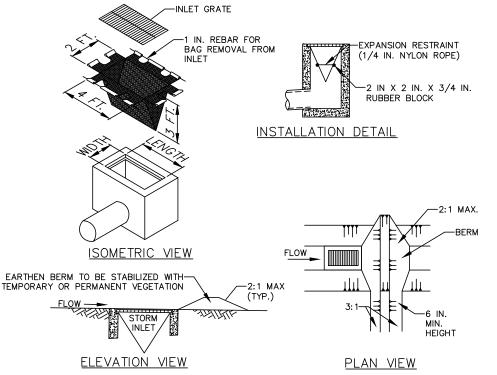
NOTES: MAXIMUM DRAINAGE AREA = 1/2 ACRE. INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS. ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.
AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A

MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS. STANDARD CONSTRUCTION DETAIL #4-15 FILTER BAG INLET PROTECTION - TYPE C INLET

NOT TO SCALE



NOTES: MAXIMUM DRAINAGE AREA = 1/2 ACRE

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 CEDITOR.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER HE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

FOR ALL 2X2 INLETS, BLACKHAWK INLET FILTER MAT SHALL BE UTILIZED IN LIEU OF INLET FILTER BAG.

STANDARD CONSTRUCTION DETAIL #4-16 FILTER BAG INLET PROTECTION - TYPE M INLET

3 mil HDPE 5 mil HDPE 5 mil HDPE Multi-Filament Multi-Filame CONCRETE BLOCKS IN LIEU OF WOODEN STAKES WHERE Polypropylene (MFPP) Photo— Gradable degradable degradable degradable Polypropylene (MFPP) (HDMFPP) Photo— degradable degradable SOCK IS LOCATED ON AN IMPERVIOUS SURFACE. Material <u>Characteris</u> Diameter 26 psi | 26 psi | 44 psi | 202 psi Ultraviolet Stability% Original Strength (ASTM G-155 Longevity (Woven layer and non-woven fleece mechanically fused via needle punch)

Outer Filtration Mesh

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

SECTION

DISTURBED AREA

UNDISTURBED AREA

PLAN VIEW

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CA SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

STANDARD CONSTRUCTION DETAIL COMPOST FILTER SOCK NOT TO SCALE

E REMOVED. THE ASE, THE MESH	
	 354
<u>#4-1</u>	352

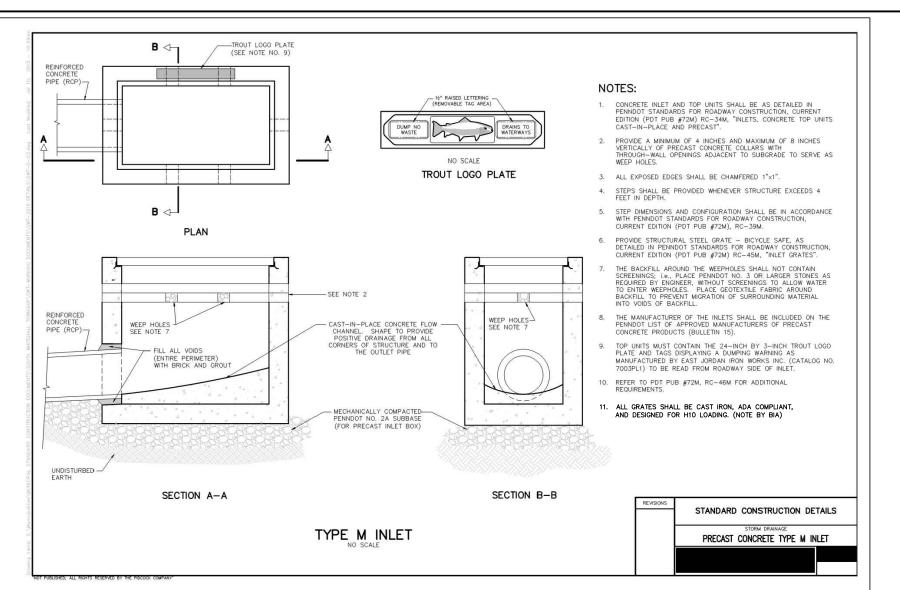
FILTREXX™ HILLTOP SERVICE, INC. INTERNATIONAL 16403 POTTSVILLE PIKE HAMBURG, PA 19526 35481 GRAFTON EASTERN RD GRAFTON, OH USA 44044 440-926-8041

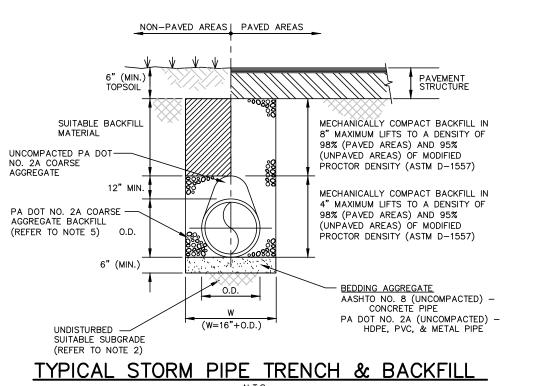
NOTES:

1. THE PHYSICAL PARAMETERS OF THE COMPOST SHOULD COMPLY WITH THE PENNDOT

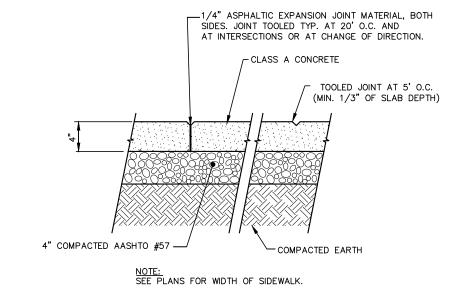
STANDARDS IN TABLE 4.2. THE STANDARDS CONTAINED IN THE PENNDOT PUBLICATION 408 ARE AN ACCEPTABLE ALTERNATIVE.

Sock Fabrics composed of burlap may be used on projects lasting 6 months or less.





- EXCAVATE TRENCH BOX AND INSTALL SHORING AS REQUIRED TO COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND CODES.
 IF UNSUITABLE MATERIAL IS FOUND, UNDERCUT AS DIRECTED BY THE ENGINEER AND BACKFILL WITH SUITABLE MATERIAL TO BOTTOM OF BEDDING ELEVATION. . KEEP EXCAVATINGS DRY AND FREE OF WATER. INTERCEPT AND DIVERT SURFACE
- DRAINAGE AWAY FROM EXCAVATIONS. DEWATER ANY PRECIPITATION AND SUBSURFACE WATER FROM EXCAVATIONS 4. DO NOT ADVANCE TRENCHING OPERATIONS MORE THAN 200 FEET AHEAD OF COMPLETED
- 5. ALL TRENCHES WITHIN PAVED AREAS SHALL BE BACKFILLED WITH FULL DEPTH PA DOT NO. 2A COARSE AGGREGATE.



SIDEWALK DETAIL N.T.S.

TYPICAL CONCRETE WALKWAY NOTES:	
. TOOL ALL EDGES	
2. 1/4" PER FT. CROSS SLOPE (UNLESS SPECIFIED OTHERWISE)	.
3. BROOM OR BURLAP FINISH (UNLESS SPECIFIED OTHERWISE).	
F. 1/2" PREMOLDED EXPANSION JOINT MATERIAL. JOINT TOOLED	
TYP. AT 20' O.C. AND AT INTERSECTIONS OR AT CHANGE OF	-
DIRECTION (UNLESS SPECIFIED OTHERWISE).	
5. TOOLED CONTROL JOINT AT 5' O.C., (MIN. 1/3 OF SLAB	
DEDILI (LINI ESS SDECIEIED ATHEDWISE)	

DEPTH (UNLESS SPECIFIED OTHERWISE) WELDED WIRE MESH, WHERE SPECIFIED, SHALL BE HELD 1" MIN. ABOVE SUB-BASE BY BOLSTERS OR CHAIRS MATCHING MATERIAL AND FINISH OF REINFORCING AND SHALL BE 100%

CUT AT ALL JOINTS.

FOR HANDICAPPED RAMPS CALLED OUT ON THESE PLANS FIRST REFER TO DETAILS ON THESE PLANS, AND PROJECT SPECIFICATION, FOR CONSTRUCTION DETAILS, AND THEN PENNDOT RC-67M FOR ADDITIONAL CLARIFICATION. (AFTER APPROVAL OF DESIGN ENGINEER)

EROSION & SEDIMENT CONTROL NOTES:

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION. 2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE

OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN AUCTION DESCRIPTION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION DESCRIPTION OF THE PCSM PLAN AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DESCRIPTION DE DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING. 3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF

EXISTING UNDERGROUND UTILITIES. 4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.

5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS 6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE

CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING

8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER. 9. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION

AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE 10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED,

1. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED

12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.

13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS. 14. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE SITE ONTO ROADS.

15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. THE OPERATOR WILL MAINTAIN AND MAKE AVAILABLE TO LEHIGH COUNTY CONSERVATION DISTRICT COMPLETE, WRITTEN INSPECTION LOGS OF ALL THOSE INSPECTIONS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE

16. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION. 17. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE

END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER. 18. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES. 19. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES — 6 TO 12 INCHES ON COMPACTED SOILS — PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF

20. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.

21. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.

22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. 23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS. 24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.

25. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD. 26, ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN

COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN. 27. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR OTHER PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION

28. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR MOTHER MOVEMENTS.

29. EROSION AND SEDIMENT BMPS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPS. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE 30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO

31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL

OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON. 32. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

33. FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT—LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

34. IN THE EVENT OF SINKHOLE DISCOVERY A PROFESSIONAL GEOLOGIST OR ENGINEER WILL BE CONTACTED CONCERNING MITIGATION. ADDITIONALLY, THE LEHIGH COUNTY CONSERVATION DISTRICT AND SOUTH WHITEHALL TOWNSHIP WILL BE MADE AWARE OF THE SINKHOLE DISCOVERY IMMEDIATELY.

35. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND 36. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.

37. THE E&S CONTROL PLAN MAPPING MUST DISPLAY A PA ONE CALL SYSTEM INCORPORATED SYMBOL INCLUDING THE SITE

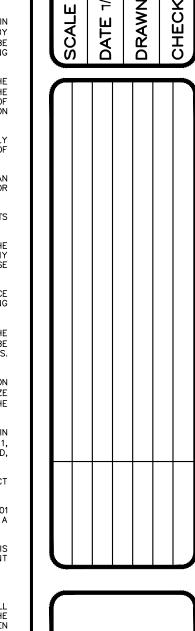
38. AT STREAM CROSSINGS, 50' BUFFER AREAS SHOULD BE MAINTAINED. ON BUFFERS, CLEARING, SOD DISTURBANCES EXCAVATION, AND EQUIPMENT TRAFFIC SHOULD BE MINIMIZED. ACTIVITIES SUCH AS STACKING LOGS, BURNING CLEARED BRUSH, DISCHARGING RAINWATER FROM TRENCHES, WELDING PIPE SECTIONS, REFUELING AND MAINTAINING EQUIPMENT SHOULD BE ACCOMPLISHED OUTSIDE OF BUFFERS.

IDENTIFICATION NUMBER. (THIS IS A NUMBERED SYMBOL NOT A NOTE.)

39. ALL WETLANDS MUST BE DELINEATED AND PROTECTED WITH ORANGE SAFETY FENCE PRIOR TO ANY EARTHMOVING ACTIVITY. 40. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN

41. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS. 42. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY

DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.





0 at 3 Wild

SHEET NO. 13 OF 13 DE-1

Township Engineer Review

THE PIDCOCK COMPANY

CIVIL ENGINEERING AND LAND PLANNING ARCHITECTURE

LAND SURVEYING

Oxford Drive at Fish Hatchery Road

2451 Parkwood Drive Allentown, Pennsylvania 18103-9608

Telephone: 610-791-2252 Telefacsimile: 610-791-1256 E-mail: info@pidcockcompany.com Website: www.pidcockcompany.com Established 1924 J. Scott Pidcock, P.E., R.A.

Bruce E. Anderson, P.E., LEED AP Brian A. Dillman, P.E. Ronald I. Gawlik, P.E. Brian E. Harman, P.E., PTOE James A. Rothdeutsch, P.E., LEED AP John R. Russek, Jr., P.E. Brent C. Tucker, P.E.

Douglas E. Haberbosch, P.E. William G. Kmetz, P.L.S. Jeffrey R. Matyus John M. McRoberts, P.E. Brent D. Shriver, P.E. Todd L. Sonntag, R.A., LEED AP Anthony F. Tallarida, P.E. Ryan R. Troutman, P.E.

G. Edwin Pidcock, P.E., P.L.S. 1924-1967 John S. Pidcock, P.E., P.L.S. 1954-1999 Ralph M. Pidcock, P.L.S. 1952-2000 (Retired)

MEMORANDUM

TO: Mr. David Manhardt, AICP via e-mail

Director of Community Development

South Whitehall Township

FROM: Mr. Anthony F. Tallarida, PE

Manager, Municipal Engineering Services

SUBJECT: South Whitehall Township

Dorney Park and Wildwater Kingdom

Offsite Sidewalk Project #2023-405

DATE: September 5, 2024

COPIES: Mr. Thomas R. Petrucci, MPA

Township Manager

South Whitehall Township

Mr. Herb Bender

Director of Township Operations

South Whitehall Township

Mr. Mike Elias

Public Works Utility and MS4 Program Coordinator

South Whitehall Township

Ms. Tracy J.B. Fehnel

Insurance Administrator & Executive Assistant

South Whitehall Township

Ms. Laura M. Harrier, BCO Building Code Official/Zoning Officer South Whitehall Township

Mr. John G. Frantz, CFEI, BCO Fire Marshal, Building Code Official South Whitehall Township

Joseph A. Zator, II, Esq. South Whitehall Township Solicitor Zator Law

Jennifer R. Alderfer, Esq. Assistant South Whitehall Township Solicitor Zator Law

Mr. Denjam Khadka Senior Civil/Environmental Engineer Lehigh Valley Planning Commission

Ms. Corinne Ruggiero Environmental Planner Lehigh Valley Planning Commission

Mr. Christopher A. Taylor, PG Senior Geologist Hanover Engineering Associates, Inc.

Mr. Adam A. Smith, P.E. Senior Project Manager Barry Isett & Associates, Inc.

Ms. Jessica Naderman Vice President & General Manager Dorney Park & Wildwater Kingdom

(all via e-mail)

Mr. Ronald J. Gawlik, PE, Township Engineer

South Whitehall Township Ordinances:

Zoning Ordinance (ZO)

Subdivision and Land Development Ordinance (SALDO)

Stormwater Management Plan (SMP)

See attached list for documents reviewed.

Proposal:

As a Condition of the Dorney Park Project 2024 Resolution (Resolution 2023-54, Condition 6) frontage improvements (i.e., installation of sidewalk along a portion of Hamilton Boulevard) were required. This submission was made accordingly to address that requirement.

Installation of new sidewalk (\pm 7,200 sf) along Hamilton Boulevard between Haines Mill Road and the driveway entrance;

CR – Commercial Recreation Zoning District;

Public Water;

Public Sewer.

Waivers/Deferrals/Variances:

None to date (see Waiver Comment below).

ifw/laf

Enclosures

THE PIDCOCK COMPANY

South Whitehall Township Dorney Park and Wildwater Kingdom Offsite Sidewalk Project #2023-405

September 5, 2024

REVIEW COMMENTS

- 1. Confirm with the Township Staff the status of the existing waivers/deferrals as they relate to the current proposal;
- 2. Obtain Highway Occupancy Permit(s) for any work within the PennDOT right-of-way;
- 3. Required and available sight distances should be provided at the intersection of Hamilton Boulevard and the Dorney Park driveway to show the pad and future bus shelter will be outside the clear sight triangle. The required sight distances should be identified with sight lines and the available sight distances labeled on the plans, SALDO §312-12(b)(24) and §312-35(a)(6)(F);
- 4. It appears that the longitudinal slope of the sidewalk exceeds 5% in the area north of the existing basin on Sheet GU-3. Any railings along the sidewalk and their details should be shown on the Plans;
- 5. The project creates less than 10,000 s.f. of additional impervious coverage and is exempt from meeting the provisions of SMP. A narrative should be provided to explain the reasons for the exemption while also showing that the runoff from the additional impervious cover will not affect any neighboring properties, SMP §296-5(e);
- 6. Confirm with the Township Geotechnical Consultant that fill and drainage can be placed against the wall;
- 7. Provide the following information in accordance with SALDO §312-12(b):
 - a. Applicant's Statements in accordance with SALDO §312-12(b)(6);
 - b. All Site Data as require in SALDO §312-12(b)(8);
 - c. Label Zoning District boundaries on the Location Map, SALDO §312-12(b)(9)(D);
 - d. Label the benchmark on the Plans, and the Datum to which contour elevations are tied to, SALDO §312-12(b)(16);
 - e. Names of owners of immediately adjacent land, SALDO §312-12(b)(17);
 - f. Rock outcrops, stone fields, closed topographical depressions, and other features of ground subsidence, etc. or the absence of such features should be noted, SALDO §312-12(b)(18);

- g. Significant manmade features and buildings within 100 feet of the site (e.g., sewer mains, water mains, gas lines, fire hydrants, etc.), SALDO §312-12(b)(19) and §312-12(b)(20);
- h. Sidewalks, trails, driveways, streets easements, and right-of-way, etc. within 400 feet of the site, SALDO §312-12(b)(21);
- i. Soil type boundaries, SALDO §312-12(b)(22);
- j. Reference monuments, SALDO §312-12(b)(27); and
- k. A Lighting Plan (if applicable), SALDO §312-12(b)(37).
- 8. Address any comments from the Shade Tree Commission to their satisfaction;
- 9. Confirm the acceptability of the Bus Stop Loading Pad with LANTA. Provide any correspondence from LANTA to the Township and our office;
- 10. Address any concerns of the Public Safety Commission to their satisfaction; and
- 11. Provide Certifications/Acknowledgements/Statements in accordance with SALDO §312-48(e)(2). Upon submission of plans for recording, all Statements and Certifications shall be signed and sealed/notarized as applicable.

The comments noted above are the result of our engineering review. We have not reviewed items associated with legal, zoning, geotechnical, lighting, water/sanitary sewerage systems, environmental, frontage streetscape improvements, building code, public safety, and other non-engineering issues, which should be reviewed by the appropriate Township Staff and Consultants.

South Whitehall Township Dorney Park and Wildwater Kingdom Offsite Sidewalk Project #2023-405

List of Plans and Supplemental Information Prepared by Barry Isett & Associates, Inc. and dated July 31, 2024, except as noted

- 1. Site Plan 1 through 3 (3 sheets), Sheets 1 though 3 of 13;
- 2. Existing Features & Demolition Plan 1 through 3 (3 sheets), Sheets 4 through 6 of 13 (cursory review only);
- 3. Grading & Utility Plan 1 through 3 (3 sheets), Sheets 7 through 9 of 13;
- 4. Erosion & Sediment Control Plan 1 through 3 (3 sheets), Sheets 10 through 12 of 13 (cursory review only);
- 5. Details, Sheet 13 of 13 (cursory review only); and
- 6. Letter of Transmittal.

In addition, we have received the following information in support of the Application:

1. South Whitehall Township Letter of Transmittal dated August 8, 2024.

Township Geotechnical Consultant Review

252 Brodhead Road • Suite 100 • Bethlehem, PA 18017-8944 Phone: 610.691.5644 • Fax: 610.691.6968 • HanoverEng.com

August 26, 2024

Mr. David Manhardt, AICP Director of Community Development South Whitehall Township 4444 Walbert Avenue Allentown, PA 18104-1699 RE: Geotechnical Engineering Review of Provided Documents Dorney Park Sidewalks Hamilton Boulevard Professional Staff Consultation #2023-405 South Whitehall Township, Lehigh County, Pennsylvania Hanover Project SWT24-11(013)

Dear Mr. Manhardt:

Hanover Engineering has reviewed the information received on August 14, 2024 via email. Reviewed documents pertaining to the geotechnical aspects of the proposed project at the above-referenced site consisted of the following:

1. Engineering Plan set entitled "Offsite Sidewalk, Dorney Park & Wildwater Kingdom", Sheets 1 of 13 through 13 of 13 inclusive, dated July 31, 2024, unrevised.

Based on our review, it is our understanding that the applicant proposes to construct a concrete sidewalk along the frontage of Dorney Park along Hamilton Boulevard.

We offer the following comments:

- 1. SALDO Section 312.12(b)(18): Provide and label the location of all significant features listed or provide a note stating which features do not exist on the site. General Note 11 addresses most of the features listed. The presence or absence of the remaining features shall be stated, including watercourses, bodies of water, floodplains, and trees over six inches (6") in diameter.
- 2. Quantify the area of impervious coverage proposed and demonstrate compliance with the requirements of Chapter 296 Stormwater Management.
- 3. General Note 12 references a geotechnical engineering report. Provide a copy of the report for review.
- 4. Grading and Utility Note 9 refers to a "wall". Clarify the location of the wall or remove this note if it is not applicable.
- 5. On Sheet 10 and others, a note states, "See Plan ESD-1 for additional notes and details". This plan is not found in this submission. Please clarify.

We trust that this is the information that you require. Should you have any questions or concerns regarding this information, please do not hesitate to contact our office.

Respectfully,

HANOVER ENGINEERING

Christopher A. Taylor, PG

cat:cat/sas

5.\Projects\Municipal\SWhitehallTownship\Swt24-11(013)-DorneyParkSidewalksHamiltonBlvdPSC2023-405\Docs\2024-08-26_SWT Geotech, Dorney Park Sidewalks Hamilton Blvd PSC geotech review Itr 1.doc

cc: Mr. Herb Bender, Public Works Director (via email)

Mr. Anthony Tallarida, PE, The Pidcock Company (via email)

Mr. Mark Gnall, PE, The Pidcock Company (via email)

Mr. Paul Wieder, Dorney Park & Wildwater Kingdom

Mr. Adam Smith, PE, Barry Isett & Associates, Inc.

Public Safety Commission Review

From: John G. Frantz

To: Christopher Strohler

Cc: <u>David Manhardt</u>; <u>Jason V. Grozier</u>

Subject: Dorney Park Sidewalks Hamilton Boulevard - 2023-405

Date: Tuesday, September 10, 2024 7:28:56 AM

Attachments: <u>image001.png</u>

Chris,

The Public Safety Commission review resulted in the following comments.

Fire Marshal Review - None.

Fire Company Review – None.

Emergency Management Review – None.

Police Review – The sidewalk should be provided with illumination.

Emergency Medical Services Review – None.

Parkland School District Review – None.

The Commission made the recommendation that illumination should be provided for the sidewalk.

In addition, Sergeant Grozier wanted you to be made aware that he can perform a lighting study for the walkway area. He is copied on this email, you can contact him for further information.

John G. Frantz, CFEI, BCO

Fire Marshal, Building Code Official South Whitehall Township 4444 Walbert Avenue Allentown PA 18104-1699 610-398-0401 (office) 610-398-1068 (fax) www.southwhitehall.com

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Frontage Improvement Agreement

Prepared By:

Zator Law

The American Heritage Building

4400 Walbert Avenue at Ridgeview Drive

Allentown, PA 18104

610.432,1900

Return To:

South Whitehall Township

4444 Walbert Avenue Allentown, PA 18104

610.398.0401

Tax Parcel Nos.

p/o 548641880188-1 p/o 548662108751-1

FRONTAGE IMPROVEMENT AGREEMENT DORNEY PARK PROJECT 2024

THIS FRONTAGE IMPROVEMENT AGREEMENT (this "Agreement"), is made and entered into on this Alst day of March, 2024 (the "Effective Date"), by and between Dorney Park LLC ("Dorney Park"), with an address of 3830 Dorney Park Road, Allentown, Pennsylvania, 18104-5899, and the Township of South Whitehall (the "Township"), a municipal corporation and Township of the First Class located at 4444 Walbert Avenue, Allentown, Pennsylvania, 18104-1699. Dorney Park and the Township are sometimes collectively referred to as the "Parties."

BACKGROUND

- a. Dorney Park pursuant to Article 3 of the South Whitehall Township Subdivision and Land Development Ordinance, submitted an application for preliminary/final approval for a land development to construct a new 161.67-foot attraction on the site of the Stinger Roller Coaster just north of the intersection of Lincoln Avenue and Dorney Park Road on a 2.7-acre portion of the 196-acre property located at 3830 Dorney Park Road, in South Whitehall Township, Lehigh County, Pennsylvania (the "**Project**");
- b. The Project is reflected on a plan prepared by Barry Isett and Associates, entitled "DORNEY PARK PROJECT 2024," dated January 19, 2023, and last revised January 25, 2024 (the "Plan");
- c. The South Whitehall Township Board of Commissioners reviewed the Plan and, having found it to be in substantial compliance with the Subdivision and Land Development Regulations, granted preliminary/final approval in a resolution dated April 19, 2023, subject to Dorney Park's compliance with several conditions, including the execution of an agreement prior to the recording of the Plan regarding frontage improvements. A true and

1

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correct copy of Resolution No. 2023-54, including the Acceptance of Conditions signed by Dorney Park, is attached hereto and incorporated herein as <u>Exhibit "C"</u>.

NOW, THEREFORE, the Parties, intending to be legally bound, hereby agree to the following:

- 1. **Dorney Park's Obligations.** Dorney Park hereby agrees as follows:
 - a. Dorney Park shall design, prepare a construction plan, and install frontage improvements, at no expense to the Township, in the approximate locations shown on Exhibit "A" (attached) ("Frontage Improvement Plan") or as otherwise agreed upon by the Township, Dorney Park, and PennDOT provided said Frontage Improvement Plan complies with all Township and PennDOT rules and regulations, including requirements to obtain an NPDES permit, if required, and to complete the work prior to the expiration of said permit. The design shall include a sidewalk running along Hamilton Boulevard, from its intersection with Haines Mill Road westward approximately 1,500 feet to the Dorney Park entrance in the areas labeled "Possible Sidewalk Location by Dorney Park" and "Possible Future Sidewalk by PennDOT" on Exhibit "A". The Parties understand and agree that the desire is for a complete connection to the Haines Mill intersection to the maximum extent practicable and permitted by PennDOT.
 - b. Dorney Park shall adhere to the design/approval schedule as shown on Exhibit "B" (attached) to the best of its ability, in consideration of stakeholder requirements, and adherence to the schedule shall not be unreasonably delayed.
 - i. Dorney Park shall provide a written status report to the Township in July 2024 and every three (3) months thereafter with the Township Manager having the sole discretion to request more frequent updates depending on the status of the Project. All written reports shall be delivered to the Township Manager by electronic mail and shall provide detail regarding the progress and adherence to the schedule set forth in Exhibit "B".
 - ii. In the event that there is no final approved Frontage Improvement Plan approved by the Township, Dorney Park, and PennDOT by December 31, 2024, but the Township and PennDOT are in agreement regarding the design and location of the sidewalk, Dorney Park shall be obligated to proceed with the plan as agreed upon by the Township and PennDOT all in accordance with this Agreement.
 - c. Dorney Park shall, on or prior to the Effective Date, complete a Professional Staff Consultation application and fund a new escrow account for reimbursement of South Whitehall Township professional review of the Frontage Improvement Plan and any matters related thereto.

- d. Dorney Park shall, upon completion and approval of the final location and design of the Frontage Improvement Plan, post security in an amount and manner consistent with Township policies and in a form and manner acceptable to both the Township and its Solicitor.
- 2. Assignment; Successors and Assigns. Dorney Park may not assign any of its rights or delegate any of its obligations hereunder without the prior written approval of the Township. The Township's approval will not be unreasonably withheld. Any purported assignment or delegation in violation of this Section shall be null and void. This Agreement shall be binding upon and shall inure to the benefit of the Parties hereto and their respective permitted successors and permitted assigns. The provisions of this Agreement shall be considered to be a covenant running with the land, and upon transfer of all or any portion of the land comprising the Project, the obligations arising hereunder shall pass to any grantee.
- 3. <u>Notices.</u> All notices permitted or required under this Agreement shall be given to the Parties at the following addresses, or such other address as the Parties may provide in writing for this purpose.

IF TO DORNEY PARK:

Ms. Jessica Naderman, General Manager Dorney Park LLC 3830 Dorney Park Road Allentown, PA 18104 Email: jessica.naderman@dorneypark.com

WITH COPY TO:

Cedar Fair, L.P. Attn: Legal Department One Cedar Point Drive Sandusky, OH 44870

IF TO TOWNSHIP OF SOUTH WHITEHALL:

Thomas R. Petrucci, Township Manager South Whitehall Township 4444 Walbert Avenue Allentown, PA 18104

Email: petruccit@southwhitehall.com

4. <u>Remedies.</u> In the event of breach, the non-breaching party shall be entitled to pursue any remedy described herein or provided at law or in equity. All remedies, rights, undertaking, obligations, and agreements shall be cumulative and none of them shall be in limitation of any other remedy, right, undertaking, obligation, or agreement of either party.

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- 5. <u>Waiver.</u> The waiver by either party of a breach of or a default under this Agreement shall not be construed as a waiver of any subsequent breach of or default under the same or any other provision of this Agreement, nor shall any delay or omission on the part of either party to exercise or avail itself of any right or remedy that it has or may have hereunder operate as a waiver of any such right or remedy. The Township reserves all rights and remedies available to it at law or equity, including but not limited to, right and remedies set forth in the First Class Township Code.
- 6. Force Majeure. If either party hereto is prevented from complying, either totally or in part, with any of the terms or provisions of this Agreement by reason of acts of God, acts of public enemy, quotas, embargoes, acts of any person engaged in subversive activity or sabotage, fires, floods, explosions, or other catastrophes, epidemics or quarantine restrictions, involuntary strikes or other labor stoppages, slowdowns or disputes, or any other cause beyond the control of the Parties, then upon prompt written notice to the other party, the affected provisions and/or any other requirements of this Agreement shall be suspended during the period of such disability.
- 7. <u>Counterparts.</u> This Agreement may be executed in one or more counterparts, each of which will be deemed to be an original, and such counterparts will together constitute the same instrument.
- 8. Severability. The provisions of this Agreement shall be deemed severable, and if any portion shall be held invalid, illegal, or unenforceable for any reason, the remainder of this Agreement shall be effective and binding upon the Parties.
- 9. <u>Survival.</u> Any right or obligation of the Parties in this Agreement which, by its nature, should survive termination or expiration of this Agreement, will survive any such termination or expiration of this Agreement.
- 10. Governing Law and Venue. This Agreement, and any action related thereto, will be governed and interpreted by and under the laws of the State of Pennsylvania without giving effect to any conflicts of laws principles that require the application of the law of a different state. In the event of litigation, venue shall be in the courts located in Lehigh County, Pennsylvania.
- 11. <u>Amendment or Modification.</u> No amendment, modification, or supplement of this Agreement shall be valid or binding unless executed in writing and signed by both Parties. The requirement for written amendments, modifications, or supplements cannot be waived and any attempted waiver shall be void or invalid.
- 12. <u>Inconsistencies or Conflicts.</u> In the event of any conflict or inconsistency between the provisions of this Agreement and any of the exhibits attached hereto, the provisions of this

4

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Agreement shall control.

- 13. <u>Headings.</u> The headings used in this Agreement are for convenience only and shall not be considered in construing or interpreting this Agreement.
- 14. <u>Entire Agreement.</u> This Agreement, including any exhibits hereto, represents the entire agreement between the Parties hereto and supersedes all prior and contemporaneous written or oral agreements and all other communications between the Parties.
- 15. **Recording.** This Agreement shall be recorded in Lehigh County at Dorney Park's expense.

IN WITNESS WHEREOF, this Agreement has been duly executed by the authorized representatives of the Parties as of the date first set forth above.

DORNEY PARK LLC

a Delaware limited liability company

Name: Brian Witherow

Title: EVP and Chief Financial Officer

TOWNSHIP OF SOUTH WHITEHALL

Name: Thomas Petrucci

Title: Township Manager

COMMONWEALTH OF PENNSYLVANIA	:
COUNTY OF LEHIGH	;ss.
Thomas R. Petrucci, who acknowledged WHITEHALL TOWNSHIP, a municipal	, 2024 before me, a Notary Public in nia, the undersigned officer, personally appeared himself to be the Township Manager of SOUTH corporation, and that he as such official, being g instrument for the purpose therein contained.
Commonwealth of Pennsylvania - Notary Seal Tracy J. Fehnel, Notary Public Lehigh County My commission expires November 17, 2027 Commission number 1048602 Member, Pennsylvania Association of Notaries	reunto set my hand and official seal. Notary Public
STATE OF OHIO	:
COUNTY OF ERIE	; ss. ;
Witherow, who acknowledged himself of DORNEY PARK LLC, a Delawar	
	Melissa J. Johnson

Melissa L. Johnson Notary Public, State of Ohio My Commission Expires: January 21, 2028 Inst. # 2024008000 - Page 7 of 20



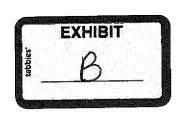
Dorney Park - Sidewalk Design/Approval Schedule

Prepared by Barry Isett & Associates

Last Revised: 3/4/24

Project Scope: Design and approval of a sidewalk running along Hamilton Boulevard, from its intersection with Haines Mill Road westward approximately 1,500 feet to the Dorney Park dropoff entrance.

Boundary & Topographic Survey	March 2023 - April 2023
Meetings and Discussions with Township and PennDOT	June 2023 - August 2023
Sidewalk layout and preliminary design	Sept 2023 - Dec 2023
Submit Concept Layout Plan to Township	January 9, 2024
Receive feedback from Township	February/March 2024
Submit Concept Layout Plan to PennDOT	March 2024
Receive feedback from PennDOT	April 2024
Detailed engineering, land development plan preparation, PennDOT HOP Plan preparation	April 2024 - June 2024
First submission to review agencies	June 2024
Agency reviews, plan revisions to address agency comments, further agency reviews, final plan preparation, plan recording	June 2024 - Dec 2024



TOWNSHIP OF SOUTH WHITEHALL LEHIGH COUNTY, PENNSYLVANIA

RESOLUTION NO. 2023-54 (Duly Adopted April 19, 2023)

A RESOLUTION GRANTING PRELIMINARY/FINAL APPROVAL TO A MAJOR PLAN ENTITLED "DORNEY PARK PROJECT 2024"

WHEREAS, Dorney Park, LLC, pursuant to Article 3 of the South Whitehall Township Subdivision and Land Development Ordinance, submitted an application for preliminary/final approval for a land development to construct a new 161.67-foot attraction on the site of the Stinger Roller Coaster just north of the intersection of Lincoln Avenue and Dorney Park Road on a 2.7-acre portion of the 196-acre property located at 3830 Dorney Park Road, in South Whitehall Township, Lehigh County, Pennsylvania; and,

WHEREAS, this proposal is reflected on plans prepared by Barry Isett and Associates, entitled "DORNEY PARK PROJECT 2024", dated January 19, 2023 and last revised March 24, 2023; and,

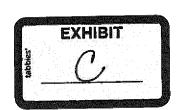
WHEREAS, all sections of the Subdivision and Land Development Regulations cited herein refer to sections of the Subdivision and Land Development Regulations that were effective April 1, 2019, and are applicable to this plan based on the submission of the initial application on January 19, 2023; and

WHEREAS, the South Whitehall Township Planning Commission has reviewed the aforesaid plan on February 16, 2023, and having found it to be in substantial compliance with the Subdivision and Land Development Regulations, has recommended that preliminary/final approval be granted,

WHEREAS, the applicant has requested that the requirement of Section 312-12(b)(14) of the Subdivision and Land Development Ordinance pertaining to the identification of the tract showing bearings and distances in accordance with the criteria of a third order survey of the United States Coast and Geodetic Survey and ties to the nearest street monuments, be waived, and the Planning Commission is persuaded that the waiver would be appropriate, as the level of information shown on the plan is acceptable; and,

WHEREAS, the applicant has requested that the requirement of Section 312-12(b)(15) of the Subdivision and Land Development Ordinance pertaining to the showing of existing and proposed contours on the entire tract and adjacent land within 400 feet of the tract be waived, and the Planning Commission is persuaded that the waiver would be appropriate, as the level of information shown on the plan is acceptable; and,

WHEREAS, the applicant has requested that the requirement of Section 312-12(b)(17) of the Subdivision and Land Development Ordinance pertaining to the provision of the names and addresses of all property owners within 300 feet of any boundary of the



subdivision be waived, and the Planning Commission is persuaded that the waiver would be appropriate, as the level of information shown on the plan is acceptable; and,

WHEREAS, the applicant has requested that the requirement of Section 312-12(b)(20) of the Subdivision and Land Development Ordinance pertaining to the showing of the location, character and elevation of any building within 100 feet of the tract be waived, and the Planning Commission is persuaded that the waiver is appropriate, as the level of information shown on the plan is acceptable; and,

WHEREAS, the applicant has requested that the requirement of Section 312-12(b)(21) of the Subdivision and Land Development Ordinance pertaining to the showing of the locations and widths of all sidewalks, trails, driveways, streets, easements, and rights-of-way within 400 feet of the tract be waived, and the Planning Commission is persuaded that the waiver is appropriate, as the level of information shown on the plan is acceptable; and,

WHEREAS, the applicant has requested that the requirement of Section 312-13(f)(3) of the Subdivision and Land Development Ordinance pertaining to the prohibition of the issuance of permits prior to the recording of the plan be waived, and the Planning Commission is persuaded that the waiver would be appropriate based upon the relatively minor nature of the project on the condition that the plan is to be recorded prior to the final building permit inspection being requested; and,

WHEREAS, the applicant has requested that the requirement of Section 312-14(b)(3) of the Subdivision and Land Development Ordinance pertaining to the requirement to provide sufficient data to determine the location, bearing and length of every street, lot and boundary line and to reproduce such lines on the ground, including a survey tie to the nearest street monuments be waived, and the Planning Commission is persuaded that the waiver would be appropriate, as the level of information shown on the plan is acceptable; and,

WHEREAS, the applicant has requested that the requirement of Section 312-35(b)(3) of the Subdivision and Land Development Ordinance pertaining to the Right-of-Way and cartway standards, specifically the dedication of right-of-way to Township standards, be deferred, and the Planning Commission is persuaded that the deferrals are appropriate until such time right-of-way improvements are required; and,

WHEREAS, the applicant has requested that the requirement of Section 312-43 of the Subdivision and Land Development Ordinance pertaining to the prohibition of the issuance of permits prior to the recording of the plan be waived, and the Planning Commission is persuaded that the waiver would be appropriate based upon the relatively minor nature of the project on the condition that the plan is to be recorded prior to the final building permit inspection being requested.

NOW, THEREFORE, BE IT ADOPTED AND RESOLVED that the Board of Commissioners of the Township of South Whitehall hereby grants preliminary/final approval to the major subdivision plan entitled "DORNEY PARK PROJECT 2024", subject to the applicant's compliance with the following conditions:

- That the applicant address to the satisfaction of the Township Engineer, the comments of Mr. Anthony Tallarida, as contained in his review dated April 10, 2023. The Applicant shall provide to the Community Development Department written confirmation from the appropriate reviewing agency that all applicable comments have been addressed.
- 2. That the applicant address to the satisfaction of the Township Water & Sewer Engineer, the comments of Mr. Jason Newhard, as contained in his review dated February 6, 2023. The Applicant shall provide to the Community Development Department written confirmation from the appropriate reviewing agency that all applicable comments have been addressed.
- 3. That the applicant address to the satisfaction of the Township Geotechnical Consultant, the comments of Mr. Chris Taylor, as contained in his review dated February 7, 2023. The Applicant shall provide to the Community Development Department written confirmation from the appropriate reviewing agency that all applicable comments have been addressed.
- That the applicant address to the satisfaction of the Community Development Department, the comments of Mr. Gregg Adams, as contained in his review dated February 10, 2023.
- 5. That the applicant obtains a letter from the Lehigh County Conservation District approving the Soil Erosion and Sedimentation Control Plan pursuant to Section 312-39(e) of the Subdivision and Land Development Ordinance OR that the applicant obtains a letter from the Pennsylvania Department of Environmental Protection and/or the Lehigh County Conservation District approving the NPDES Permit application pursuant to Section 312-39(e) of the Subdivision and Land Development Ordinance.
- 6. That the applicant executes an agreement to the satisfaction of both the Township and the solicitor's office prior to the recording of the plan regarding frontage improvements and including but not limited to the following terms:
 - a. The applicant agrees to implement a construction plan for frontage improvements in the approximate location shown on Exhibit "A" (attached) or as otherwise agreed upon as a result of stakeholder meetings including but not limited to the review and approval of PennDOT.
 - b. The applicant shall adhere to the design/approval schedule as shown on Exhibit "B" (attached) to the best of its ability, in consideration of stakeholder requirements.
 - c. Upon execution of this agreement, the applicant shall fund a new escrow account or replenish the escrow account previously established for the current project for reimbursement of South Whitehall Township professional review of the frontage improvement plan.

- d. Upon completion and approval of the final location and design of the frontage improvement plan, the applicant shall post security in an amount and manner consistent with South Whitehall policies and in a form and manner acceptable to both the Township and its Solicitor.
- 7. That the applicant shall reconcile all open invoices for Township engineering and legal services prior to the plan being recorded, and that the applicant shall remit payment for any and all required fees to the satisfaction of the Township Manager, the Community Development Department, the Finance Department, and the Public Works Department, prior to the plan being recorded.
- 8. The applicant shall meet all conditions of the Preliminary/Final Plan approval, and the Record Plan will be recorded within eighteen (18) months of Conditional Preliminary/Final Plan approval, and the applicant agrees that if such conditions are not met, the conditional Preliminary/Final Plan approval will be considered void, and the application for Preliminary/Final Plan approval will be considered void and withdrawn unless otherwise approved by the South Whitehall Township Board of Commissioners.
- 9. If for any reason any condition or conditions of this Resolution (or any portion(s) thereof) shall be held by a forum of competent jurisdiction to be invalid, illegal, void, or unenforceable in any respect or to any extent: (i) this Resolution shall automatically be deemed to be null and void in its entirety and shall be deemed to have been immediately and automatically repealed as if it had never been passed; (ii) this Resolution shall automatically be deemed to be a resolution denying the application due to the fact that the application does not comply with those sections of the SALDO (or other applicable ordinance(s)) listed herein or in any review letters referred to herein, including any section relating to waivers or deferrals; and (iii), the Applicant is waiving any right to proceed with an action seeking a deemed approval of the plan based upon the automatic repeal of this Resolution Identified in this condition. The Applicant acknowledges that each and every term and provision hereof is an essential, material component to the Township's approval of the Applicant's plan.
- 10. In the event that the Township becomes involved in litigation of any kind relating to the major subdivision other than a direct appeal by the Applicant of the Township's approval of this Resolution, such as an appeal of this Resolution by an adjoining property owner or a third party, or an attempt to collaterally challenge any conditions of this approval by means other than a timely appeal of this Resolution, the Applicant, on behalf of itself and its agents, representatives, successors and assigns, hereby agrees to exonerate, indemnify, protect, defend (through legal counsel of Township's choice) and save harmless the Township and its boards, committees and commissions (including the individual members thereof), their elected and appointed officers and officials and their employees, contractors, other professional consultants, engineers, solicitors, managers, representatives, advisors, predecessors, successors, agents, independent contractors, insurers and assigns (collectively, the "Township Representatives"),

from any and all claims, lawsuits, proceedings, actions, disputes, causes and rights of action, expenses, losses, allegations, demands, charges, injuries, costs (including, without limitation, attorneys' fees, engineers' fees and other costs and expenses incurred, including expert witness fees), damages (including, without limitation, compensatory, consequential or punitive damages), sanctions, and liabilities of every kind, character and manner whatsoever, in law or in equity, civil or criminal, administrative or judicial, contract, tort (including, without limitation, negligence of any kind) or otherwise ("Claims"), pertaining to, relating to, resulting from, caused by or arising out of the Township's approval of the application as evidenced by this Resolution and/or the Township taking any action contemplated by the conditions hereof.

The requirement of Section 312-12(b)(14) of the Subdivision and Land Development Ordinance pertaining to the identification of the tract showing bearings and distances in accordance with the criteria of a third order survey of the United States Coast and Geodetic Survey and ties to the nearest street monuments is hereby waived.

The requirement of Section 312-12(b)(15) of the Subdivision and Land Development Ordinance pertaining to the showing of existing and proposed contours on the entire tract and adjacent land within 400 feet of the tract is hereby waived.

The requirement of Section 312-12(b)(17) of the Subdivision and Land Development Ordinance pertaining to the provision of the names and addresses of all property owners within 300 feet of any boundary of the subdivision is hereby waived.

The requirement of Section 312-12(b)(20) of the Subdivision and Land Development Ordinance pertaining to the showing of the location, character and elevation of any building within 100 feet of the tract is hereby waived.

The requirement of Section 312-12(b)(21) of the Subdivision and Land Development Ordinance pertaining to the showing of the locations and widths of all sidewalks, trails, driveways, streets, easements, and rights-of-way within 400 feet of the tract is hereby waived.

The requirement of Section 312-13(f)(3) of the Subdivision and Land Development Ordinance pertaining to the prohibition of the issuance of permits prior to the recording of the plan is hereby waived.

The requirement of Section 312-14(b)(3) of the Subdivision and Land Development Ordinance pertaining to the requirement to provide sufficient data to determine the location, bearing and length of every street, lot and boundary line and to reproduce such lines on the ground, including a survey tie to the nearest street monuments is hereby waived.

The requirement of Section 312-35(b)(3) of the Subdivision and Land Development Ordinance pertaining to the Right-of-Way and cartway standards,

specifically the dedication of right-of-way to Township standards is hereby deferred.

The requirement of Section 312-43 of the Subdivision and Land Development Ordinance pertaining to the prohibition of the issuance of permits prior to the recording of the plan is hereby waived.

The conditions of approval have been made known to the applicant, and final approval is to be deemed expressly contingent upon the applicant's affirmative written acceptance of the conditions on a form prescribed by South Whitehall Township which shall be received at or before the meeting at which the Resolution containing such conditions of approval is considered by the Board of Commissioners for adoption.

DULY ADOPTED this 19th day of APRIL, 2023, by a majority of the Board of Commissioners of the Township of South Whitehall, Lehigh County, Pennsylvania, at a duly advertised meeting of the Board of Commissioners. As part of this Resolution, the Board of Commissioners has directed that the President, or Vice President in the absence of the President, execute this Resolution on behalf of the Board.

TOWNSHIP OF SOUTH WHITEHALL BOARD OF COMMISSIONERS

Diane Kelly, President

ATTEST:

Monica Hodges, Assistant Secretary

EXHIBIT "A"



EXHIBIT "B"

APPLICANT ACCEPTANCE OF CONDITIONS

RESOLUTION NO. 2023-54 (Duly Adopted April 19, 2023)

A RESOLUTION GRANTING PRELIMINARY/FINAL APPROVAL TO A MAJOR PLAN ENTITLED "DORNEY PARK PROJECT 2024"

The undersigned, being the applicant of an application for preliminary/final approval for a land development to construct a new 161.67-foot attraction on the site of the Stinger Roller Coaster just north of the intersection of Lincoln Avenue and Dorney Park Road on a 2.7-acre portion of the 196-acre property located at 3830 Dorney Park Road, in South Whitehall Township, Lehigh County, Pennsylvania, reflected on plans prepared by Barry isett and Associates, entitled "DORNEY PARK PROJECT 2024", dated January 19, 2023 and last revised March 24, 2023, intending to be legally bound hereby, does affirmatively accept all of the conditions set forth in the Resolution granting conditional preliminary/final approval to the major plan entitled "DORNEY PARK PROJECT 2024" and does waive any and all rights which the applicant would otherwise possess to contest the imposition of said conditions, both at law or in equity. Further, the applicant hereby certifies that as of the date of the Resolution, the applicant does not dispute (as outlined by the Pennsylvania Municipalities Planning Code, including but not limited to §§ 10503(1) and 10510(g)) any professional consultant fee for which it has received an invoice from the Township through the date hereof.

WITNESS/ATTEST:	APPLICANT: Dorney Park LLC
Domsigned the	Justica Nadermain
Witness	Applicant
Kelly Dilbeck	Jessica Naderman
Printed Name	Printed Name
Date: 4/18/2023	

MICHELLE GRAUPNER LEHIGH COUNTY CLERK OF JUDICIAL RECORDS



Recorder of Deeds Division Lisa Stella-Ali, Chief Deputy **Lehigh County Courthouse** 455 W. Hamilton Street - Room 122 Allentown, PA 18101-1614 (610) 782-3162

*RETURN DOCUMENT TO:

ALL AMERICAN SETTLEMENT SERVICES, LLC 4400 WALBERT AVE. ALLENTOWN, PA 18104

Instrument Number - 2024008000

Recorded On 4/10/2024 At 9:45:29 AM

- * Instrument Type AGREEMENT Invoice Number - 542824
 - User ID: KCA
- *Total Pages 20
- * Grantor DORNEY PARK LLC SOUTH WHITEHALL TOWNSHIP OF
- * Grantee SOUTH WHITEHALL TOWNSHIP OF SOUTH WHITEHALL TOWNSHIP
- * Customer ALL AMERICAN SETTLEMENT SERVICES, LLC

*FEES

STATE WRIT TAX	\$0.50
RECORDING FEES	\$43.00
COUNTY ARCHIVES FEE	\$2.00
ROD ARCHIVES FEE	\$3.00
UPI CERTIFICATION FEES	\$20.00
TOTAL PAID	\$68.50

I hereby CERTIFY that this document is Recorded in the Recorder of Deeds Office of Lehigh County, Pennsylvania



Michelle Graupner Clerk of Judicial Records Recorder of Deeds Division

Mühelle Grapmer

LCGIS Registry UPI Certification On April 10, 2024 By TLL

THIS IS A CERTIFICATION PAGE

Do Not Detach

THIS PAGE IS NOW PART OF THIS LEGAL DOCUMENT

* - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.

