

FORM 5
MAP REQUIREMENTS


 Date Prepared/Revised
January 2023
DEP USE ONLY

Date Received

FORM 5

MAP REQUIREMENTS

TRANSFER FACILITIES/COMPOSTING FACILITIES/ RESOURCE RECOVERY AND OTHER PROCESSING FACILITIES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 5, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: Section 279.103/281.112/283.103

Instructions: Provide the following maps in scales and contours indicated. Before each item listed below, identify the specific map or plan where the information requested can be found.

Drawings shall meet the following requirements or contain:

- a. The maximum drawing size of 30" x 36".
- b. The north arrow designated as magnetic or true.
- c. Grid system tied to north arrow and on-site survey monuments.
- d. A legend of symbols.
- e. Horizontal and vertical scale.
- f. Consecutively numbered drawings.
- g. Seal and signature of PA registered Professional Engineer on cover sheet of drawings.

Application is for:

1. Transfer Facility (T)
 2. Composting Facility (C)
 3. Resource and Recovery and Other Processing Facilities (P)

Letters before an item (T, C, P) designate that the specific map requirement is not required for this type of facility.

Maps, plans, and cross-sections shall have a scale of 1 inch equals no more than 50 feet with 2-foot maximum contour intervals.

SECTION A. SITE IDENTIFIER

Applicant/permittee **North East Waste Systems, LLC**

Site Name **North East Waste Systems Transfer Facility**

Facility ID (as issued by DEP) **To be determined by PaDEP**

SECTION B. TOPOGRAPHIC MAP

Topographic map of proposed permit area and adjacent area, including necessary narrative descriptions:

Refer to enclosed Permit Drawings pertaining to each of the following questions.

1. Boundaries and names of present owners of record of land (surface and subsurface), including easements, rights-of-way and other property interests for proposed permit area and adjacent area.
2. Boundaries of land within proposed permit area; description of title, deed, or usage restrictions.
3. Boundaries of land affected over estimated total life of proposed facility/operation.

SECTION B. TOPOGRAPHIC MAP (continued)

4. Surface water bodies:
 - a. Springs
 - b. Streams
 - c. Lakes
 - d. Ponds
 - e. Wetlands
 - f. Constructed or Natural Drains
 - g. Irrigation Ditches
5. Public and private water sources that are located on or within ¼ mile of the proposed facility.
6. Within 300 feet of proposed facility: rights-of way for high-tension power lines, pipelines, railroads, public and private roads; buildings currently in use.
7. Anticipated water quality monitoring points if monitoring is required by the Department. **Not Required for Transfer Facility**
8. Boundaries of land where (transfer facilities/composting facilities/resource recovery facilities and other processing facilities) are prohibited (see Sections 279.202, 281.202 and 283,202).
9. Municipalities of proposed permit area.
10. 100-year floodplain boundaries.
11. Access roads (include slopes, grades, lengths of roads),
12. Barriers, fences and similar facilities required for access control (see Sections 279.204, 281.213, 283.212).
13. Water diversion, collection, conveyance, erosion and sedimentation control, treatment, storage and discharge facilities.
- C 14. Solid waste storage or loading/unloading areas.
15. Areas which bond will be posted (Chapter 271, Subchapter D).
16. Buildings and related facilities used in operation:

Sections 281.112 and 283.103: include horizontal and vertical dimensions
17. Scales and weigh stations to be used in operation.
- T 18. Underground mine shafts. **Not required per instructions.**
- T, P 19. Composting pads, tipping areas, storage areas and windrows (including leachate or wastewater collection systems). **Not required per instructions.**
- T 20. Utilities installed at facility. **Not required per instructions.**
21. Area for isolating detected radioactive waste.
22. Location of radioactive monitoring equipment.

SECTION C. SOILS MAP

- P USDA Soil Conservation Service soils map, for aerial photographs where current soils maps are unavailable, showing site boundaries and soil types, for proposed permit area and adjacent area. **Refer to Form D, Exhibit D-2.4, Attachment D-2.**

SECTION D. BENCHMARK

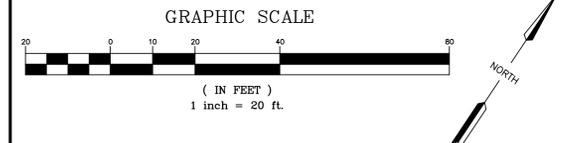
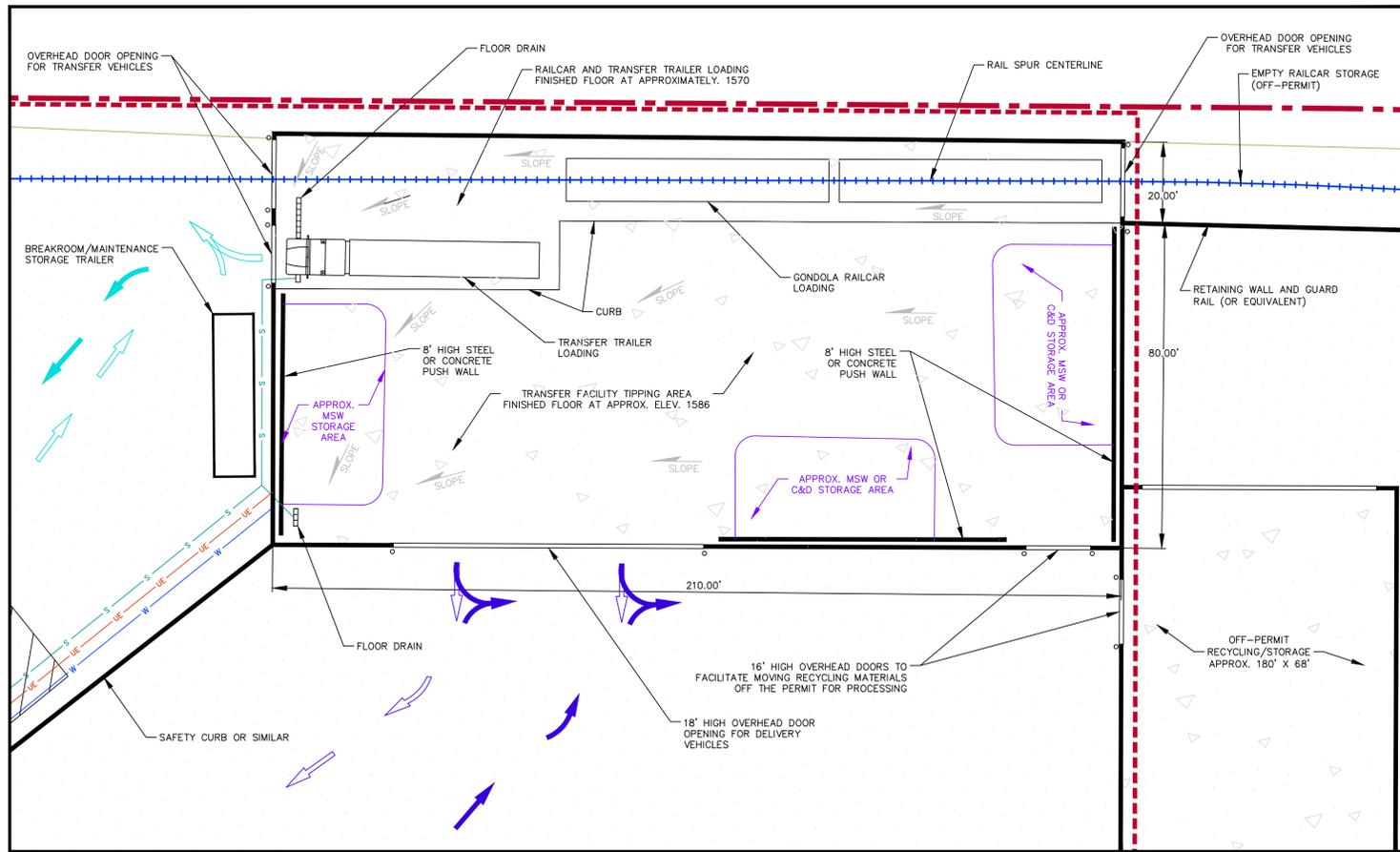
- C, P Location of permanent benchmark for horizontal and vertical control. **Refer to Permit Drawings.**

SECTION E. GRID SYSTEM

- T, P Grid coordinate systems for proposed permit area. Horizontal control system shall consist of grid not to exceed 200-foot square sections. Permanent benchmark for horizontal and vertical control shall be shown. Grid system shall be tied to benchmark and baseline. **Not required per instructions.**

PERMIT DRAWINGS

- 002D005A Site Plan
- 002D005B Proposed Transfer Facility Building Plan and Details

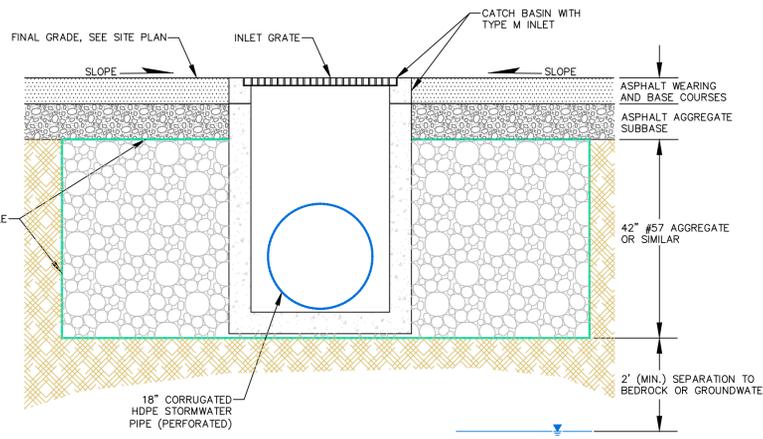


1 PROPOSED TRANSFER STATION PLAN
SCALE: 1" = 20'

- LEGEND**
- 1000- EXISTING GRADE CONTOUR (C.I. = 2'/10') (SEE GENERAL NOTE 1)
 - PROPERTY BOUNDARY
 - - - PROPOSED PERMIT BOUNDARY (4.4 ACRES) (OFFSET FOR CLARITY)
 - PROPOSED EDGE OF PAVEMENT
 - PROPOSED GRAVEL AND/OR PAVEMENT
 - PROPOSED CONCRETE
 - PROPOSED RAIL SPUR
 - PROPOSED WATER LINE
 - PROPOSED SEWER/LEACHATE COLLECTION LINE
 - PROPOSED ELECTRIC
 - TRAFFIC FLOW PATTERN (SOLID=FULL; OUTLINE=EMPTY) (BLUE=WASTE COLLECTION VEHICLE; CYAN=TRANSFER TRAILER)
 - FLOOR SLOPE DRAINAGE INDICATOR

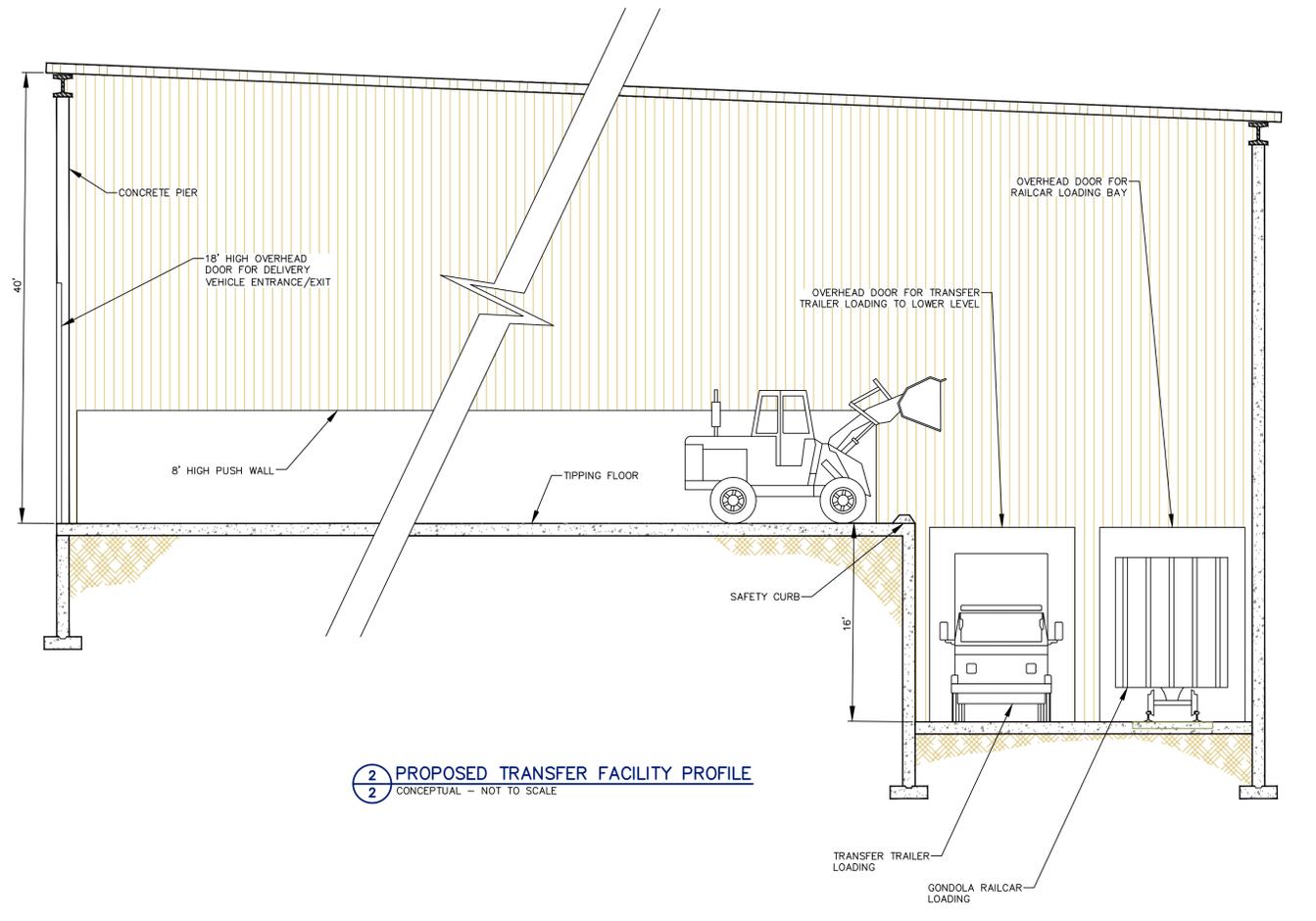
- OPERATION NOTES**
- THE BUILDING FLOOR PLAN INCLUDED IN THIS PERMIT APPLICATION IS CONCEPTUAL. A FORMAL BUILDING DESIGN WILL BE COMPLETED PRIOR TO CONSTRUCTION. SIGNIFICANT DEVIATIONS TO THIS CONCEPTUAL PLAN, IF ANY, WILL BE FORWARDED TO THE DEPARTMENT.
 - PROPOSED TRANSFER STATION BUILDING INDICATED AT DIMENSIONS OF 210 FT. WIDE BY 100 FT. LONG. DIMENSIONS ARE CONCEPTUAL FOR PERMITTING PURPOSES AND WILL BE FINALIZED AT TIME OF FORMAL CONSTRUCTION LEVEL DESIGN AND TOWNSHIP BUILDING PERMIT APPLICATION AS NECESSARY.
 - LOAD OUT BAYS INDICATED HEREON ARE INTENDED TO BE USED FOR RAIL OR TRAILER LOADING AS SHOWN. AT TIME OF CONSTRUCTION LEVEL DRAWING PREPARATION, THE APPLICANT MAY ELECT TO MODIFY LOADING CONFIGURATION.
 - TRANSFER STATION FLOOR TO BE CONCRETE AND SLOPE TOWARD INLET DRAINAGE STRUCTURES. LOCATIONS AND LENGTHS/TYPE OF INLET MAY BE ADJUSTED AT TIME OF FORMAL CONSTRUCTION LEVEL DESIGN. HOWEVER, THE CONSTRUCTED FLOOR WILL BE BASED ON THE BASIS THAT FLOOR DRAINAGE WITHIN THE TRANSFER STATION WILL DIRECT LIQUIDS TOWARD AN INTERNAL LEACHATE COLLECTION LINE LEADING TO A MUNICIPAL SANITARY SEWER SYSTEM CONNECTION ON THE ADJACENT PRIVATE ROAD.
 - ANTICIPATED STORAGE LOCATIONS AND METHODS FOR WASTE TYPES OTHER THAN MSW (TIRES, E-WASTE, PAINT, LATEX, ANTI-FREEZE, WASTE OIL, ETC.) ARE DEPICTED ON THIS TRANSFER STATION PLAN. PLANNED CITIZEN DROP-OFF DUMPSTER LOCATIONS FOR MSW AND RECYCLING MATERIALS PER 279.272 ARE ALSO DEPICTED. LOCATIONS AND CONTAINERS/CONTAINER SIZES MAY VARY BASED ON NEED AND AS THE SITE GAINS OPERATIONAL EXPERIENCE.

CULVERT PIPE SCHEDULE								
CULVERT I.D.	REQ'D FLOW [cfs]	LENGTH [ft]	INV. IN [ft]	INV. OUT [ft]	SLOPE [%]	NO. OF PIPES	PIPE DIA [in]	OUTLET
CULVERT PIPE CP1	2.65	177.5	1578.00	1571.00	3.94%	1	12	CULVERT 2
CULVERT PIPE CP2	7.36	115.5	1571.00	1569.00	1.73%	1	18	CULVERT 3
CULVERT PIPE CP3	12.06	57	1569.00	1565.50	6.14%	1	18	STORMWATER BMP



3 SUBSURFACE INFILTRATION BED DETAIL
NOT TO SCALE

- INFILTRATION BED NOTES**
- THE SUBSURFACE INFILTRATION BED SHALL HAVE A MINIMUM SURFACE AREA OF 46,000 S.F.
 - AN INFILTRATION RATE OF 1" PER HOUR IS ASSUMED. INFILTRATION RATE SHALL BE CONFIRMED THROUGH SITE TESTING PRIOR TO CONSTRUCTION. IF THE INFILTRATION RATE VARIES SIGNIFICANTLY, THE INFILTRATION BED DESIGN MAY BE REVISED AND REVISED BASED ON THE ACTUAL INFILTRATION RATE.
 - THE BOTTOM OF THE INFILTRATION BED WILL MAINTAIN A MINIMUM OF 2' SEPARATION FROM BEDROCK AND/OR GROUNDWATER. TEST PITS WILL BE COMPLETED PRIOR TO CONSTRUCTION TO CONFIRM THE DEPTH TO THESE LIMITING LAYERS.



2 PROPOSED TRANSFER FACILITY PROFILE
CONCEPTUAL - NOT TO SCALE

PERMIT DRAWING NOT FOR CONSTRUCTION

	REVISIONS	
NORTH EAST WASTE SYSTEMS, LLC NORTH EAST WASTE SYSTEMS TRANSFER FACILITY CITY OF HAZLETON LUZERNE COUNTY PENNSYLVANIA		DATE: 6/24/22 DRAWN BY: KEF CHECKED: PAW BAI DRAWING NO: 002D005B SHEET NO: 2 OF 2
State College Office (814) 238-2060	Delaware Valley Office (610) 495-5585	