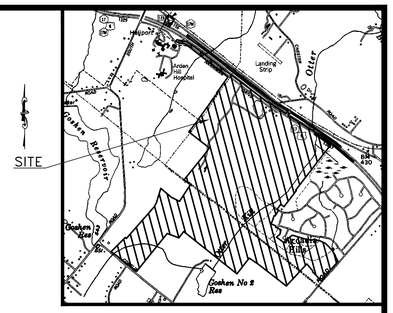
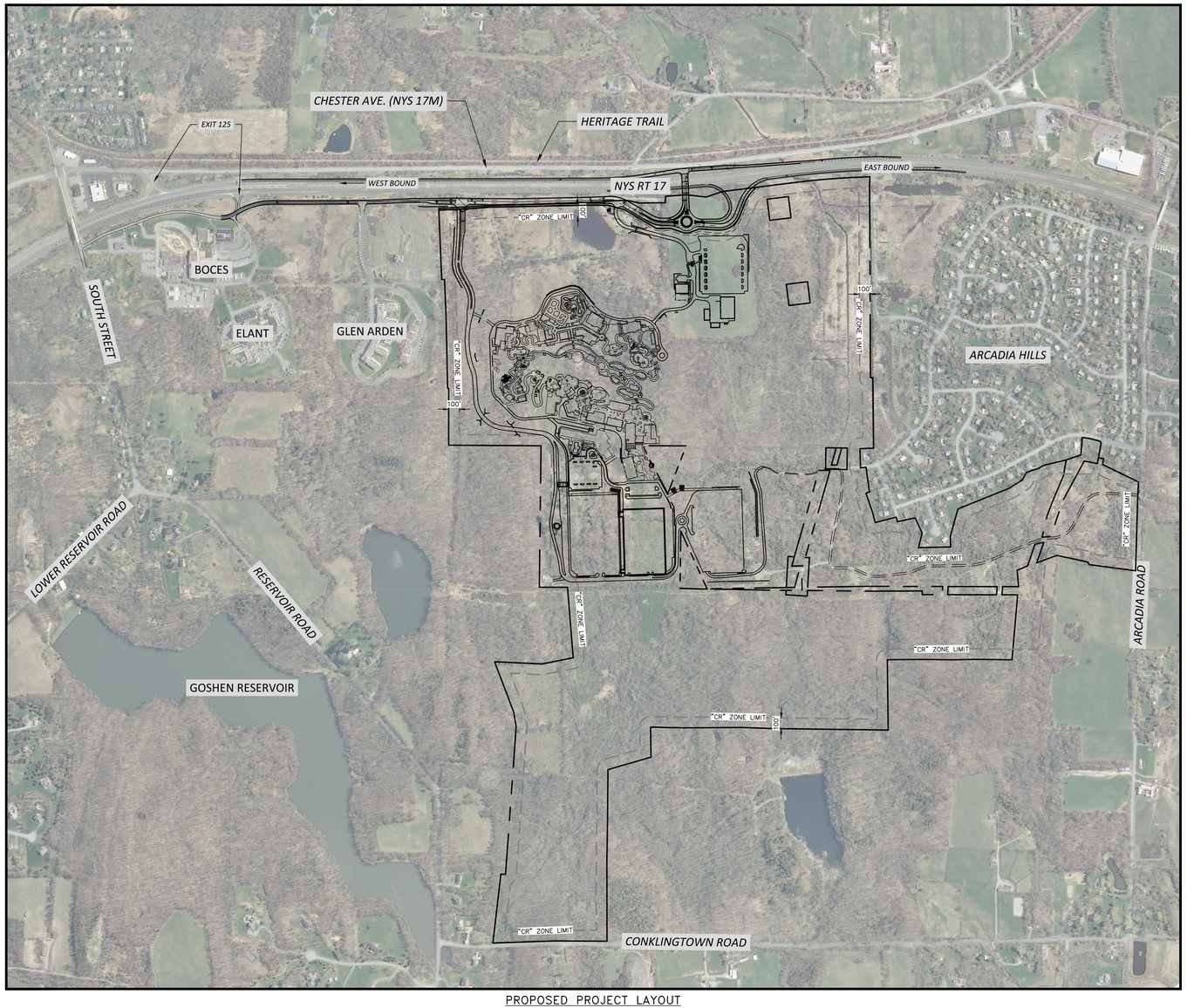
LEGOLAND NEW YORK

AMENDED SITE PLAN

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK
JULY 21, 2016



LOCATION PLAN
1 INCH = 2,000± FEET
TAKEN FROM NYS DOT DIGITAL RASTER QUADRANGLES FOR GOSHEN AND WARWICK



PROPOSED PROJECT LAYOUT
1 INCH = 400± FEET
ORTHOIMAGERY DATED 2013 TAKEN FROM NYS GIS CLEARING HOUSE

PROJECT APPLICANT
MERLIN ENTERTAINMENTS GROUP

PROJECT ENGINEER AND PLANNER
LANC & TULLY ENGINEERING AND SURVEYING, P.C.
POST OFFICE BOX 687
GOSHEN, NEW YORK 10924
(845) 294-3700

PARK MASTER PLANNER & ARCHITECT
FORREC
219 DUFFERIN STREET SUITE 100C
TORONTO ONTARIO CANADA M6K 3J1

PROJECT TRAFFIC ENGINEER
MASER CONSULTING, P.A.
11 BRADHURST AVENUE
HAWTHORNE, NY 10532
(914) 347-7500

PROJECT ATTORNEY
DRAKE LOEB, PLLC
555 HUDSON VALLEY AVENUE, SUITE 100
NEW WINDSOR, NY 12553
(845) 561-0550

DRAWING INDEX

NOTE: FADED SHEETS ARE NOT INCLUDED IN THIS SUBMISSION. SHEETS ARE LISTED FOR REFERENCE TO ORIGINALLY APPROVED SITE PLAN SET.

SHEET No.	SHEET TITLE
C 1 OF 43	TITLE SHEET
C 2 OF 43	OVERALL SITE CONCEPT PLAN
C 3 OF 43	EXISTING CONDITIONS MAP 1
C 4 OF 43	EXISTING CONDITIONS MAP 2
C 5 OF 43	SITE PLAN - 200 SCALE SHEET 1 OF 2
C 6 OF 43	SITE PLAN - 200 SCALE SHEET 2 OF 2
C 7 OF 43	SITE PLAN - 100 SCALE SHEET 1 OF 3
C 8 OF 43	SITE PLAN - 100 SCALE SHEET 2 OF 3
C 9 OF 43	SITE PLAN - 100 SCALE SHEET 3 OF 3
C 10 OF 43	OVERALL WATER AND SEWER SYSTEMS MAP
C 11 OF 43	GRADING AND UTILITY PLAN SHEET 1 OF 7
C 12 OF 43	GRADING AND UTILITY PLAN SHEET 2 OF 7
C 13 OF 43	GRADING AND UTILITY PLAN SHEET 3 OF 7
C 14 OF 43	GRADING AND UTILITY PLAN SHEET 4 OF 7
C 15 OF 43	GRADING AND UTILITY PLAN SHEET 5 OF 7
C 16 OF 43	GRADING AND UTILITY PLAN SHEET 6 OF 7
C 17 OF 43	GRADING AND UTILITY PLAN SHEET 7 OF 7
C 18 OF 43	STORMWATER SYSTEM LAYOUT SHEET 1 OF 3
C 19 OF 43	STORMWATER SYSTEM LAYOUT SHEET 2 OF 3
C 20 OF 43	STORMWATER SYSTEM LAYOUT SHEET 3 OF 3
C 21 OF 43	EROSION AND SEDIMENT CONTROL PLAN 1 OF 3
C 22 OF 43	EROSION AND SEDIMENT CONTROL PLAN 2 OF 3
C 23 OF 43	EROSION AND SEDIMENT CONTROL PLAN 3 OF 3
C 24 A OF 43	EROSION AND SEDIMENT CONTROL DETAILS 1
C 24 B OF 43	EROSION AND SEDIMENT CONTROL DETAILS 2
C 25 OF 43	WELL ABANDONMENT PLAN
C 26 OF 43	PROFILE: GUEST ENTRANCE ROAD PART 1
C 27 OF 43	PROFILE: GUEST ENTRANCE ROAD PART 2
C 28 OF 43	PROFILE: BACK OF HOUSE ENTRANCE ROAD
C 29 OF 43	PROFILE: INTERIOR PARK SERVICE ROAD
C 30 OF 43	PROFILE: LEGOLAND SANITARY SEWER FORCEMAIN
C 31 OF 43	PROFILE: ARCADIA HILLS REPLACEMENT SANITARY SEWER FORCEMAIN
C 32 OF 43	ROADWAY & PARKING AREA LIGHTING 1 OF 4
C 33 OF 43	ROADWAY & PARKING AREA LIGHTING 2 OF 4
C 34 OF 43	ROADWAY & PARKING AREA LIGHTING 3 OF 4
C 35 OF 43	ROADWAY & PARKING AREA LIGHTING 4 OF 4
C 36 OF 43	CONSTRUCTION DETAILS 1
C 37 OF 43	CONSTRUCTION DETAILS 2
C 38 OF 43	DRAINAGE DETAILS 1
C 39 OF 43	DRAINAGE DETAILS 2
C 40 OF 43	TYPICAL AQUASTORE WATER TANK DETAILS
C 41 OF 43	WATER BOOSTER STATION DETAILS
C 42 OF 43	SEWER PUMP STATION / FORCEMAIN DETAILS

L131	PAVING PLAN
L132	PAVING PLAN
L133	PAVING PLAN
L134	PAVING PLAN
L135	PAVING PLAN
L136	PAVING PLAN
L137	PAVING PLAN
L141	TREE PLANTING PLAN
L142	TREE PLANTING PLAN
L143	TREE PLANTING PLAN
L144	TREE PLANTING PLAN
L145	TREE PLANTING PLAN
L146	TREE PLANTING PLAN
L147	TREE PLANTING PLAN
L141s	SHRUBS PLANTING PLAN
L142s	SHRUBS PLANTING PLAN
L143s	SHRUBS PLANTING PLAN
L144s	SHRUBS PLANTING PLAN
L145s	SHRUBS PLANTING PLAN
L146s	SHRUBS PLANTING PLAN
L147s	SHRUBS PLANTING PLAN
L151	FENCE & RAILING PLAN
L152	FENCE & RAILING PLAN
L153	FENCE & RAILING PLAN
L154	FENCE & RAILING PLAN
L155	FENCE & RAILING PLAN
L156	FENCE & RAILING PLAN
L157	FENCE & RAILING PLAN
L191	LIGHTING PLAN
L192	LIGHTING PLAN
L193	LIGHTING PLAN
L194	LIGHTING PLAN
L195	LIGHTING PLAN
L196	LIGHTING DETAILS
L197	LIGHTING DETAILS
L198	LIGHTING DETAILS
L531	PARK PAVING DETAILS
L541	PLANTING DETAILS

NEW AMENDED LANDSCAPING PLANS FOR TOWN OF GOSHEN TAX PARCELS 11-1-68 & 69

LP.01	AMENDED LANDSCAPE PLAN
LP.02	AMENDED LANDSCAPE PLAN
LD.01	AMENDED LANDSCAPE PLAN DETAILS

L145	AMENDED TREE PLANTING PLAN
L146	AMENDED TREE PLANTING PLAN
L145s	AMENDED SHRUB AND GROUNDCOVER PLAN
L146s	AMENDED SHRUB AND GROUNDCOVER PLAN

Dig Safely. New York. Call 811 before you dig

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

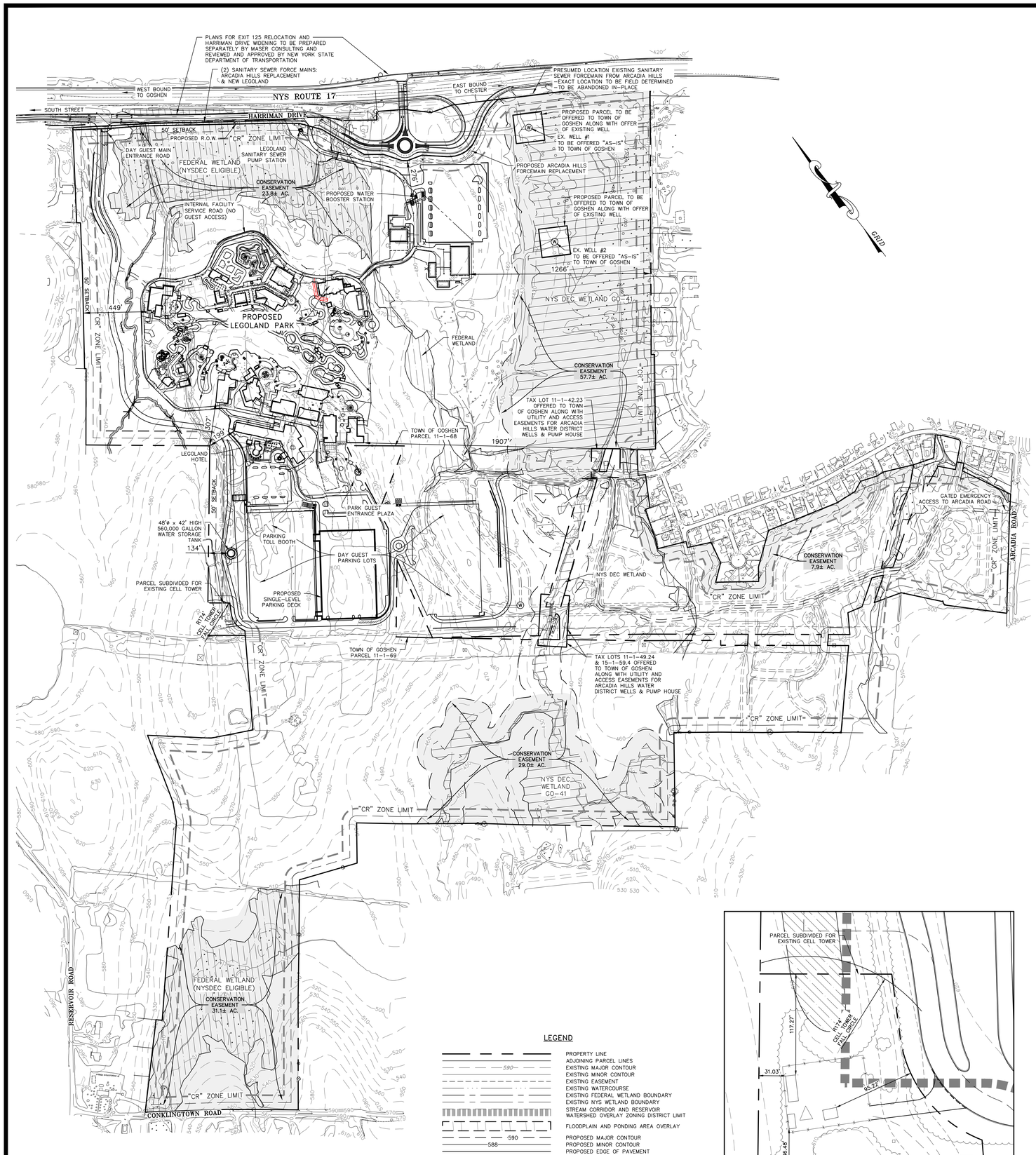
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

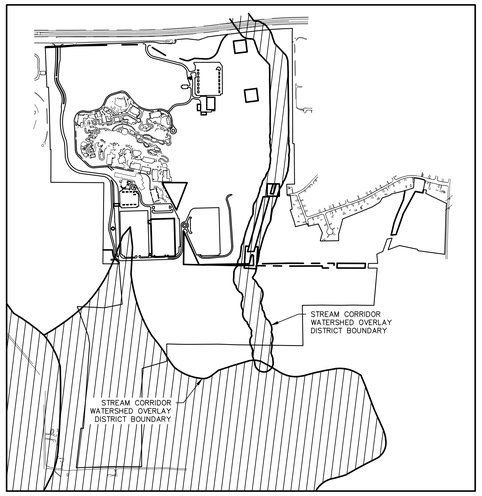
COPYRIGHT 2016, LANC & TULLY, P.C.

L&T LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

REVISIONS
SEPTEMBER 1, 2016
NOVEMBER 3, 2016
MAY 18, 2017
SEPTEMBER 21, 2017
JULY 5, 2018
JULY 19, 2018



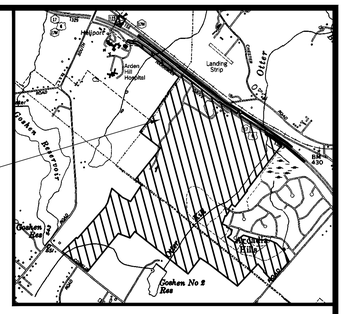


TOWN OF GOSHEN STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY DISTRICT

1 INCH = 1,000± FEET

TAKEN FROM TOWN OF GOSHEN ZONING OVERLAY MAP

SITE



LOCATION PLAN

1 INCH = 2,000± FEET

TAKEN FROM NYS DOT DIGITAL RASTER QUADRANGLES FOR GOSHEN AND WARWICK

NOTES:

1. EXISTING CONDITIONS TAKEN FROM MAP ENTITLED "SURVEY PREPARED FOR LEGOLAND NEW YORK" PREPARED BY LANC & TULLY ENGINEERING AND SURVEYING, P.C., DATED AUGUST 2016.
2. WETLANDS DELINEATED BY ECOLOGICAL SOLUTIONS, LLC JUNE 2016 AND FIELD LOCATED BY LANC & TULLY ENGINEERING AND SURVEYING, P.C. JUNE 2016. ADDITIONAL WETLAND BOUNDARY ADJUSTMENTS PROVIDED BY ECOLOGICAL SOLUTIONS, LLC. BASED UPON SITE WALKS WITH PERSONNEL OF NYSDEC AND USACOE. WETLANDS LOCATED ON-SITE WERE VALIDATED BY MICHAEL FRATZ OF NYSDEC ON DECEMBER 12, 2016.

TABLE OF ZONING REQUIREMENTS

TOWN OF GOSHEN

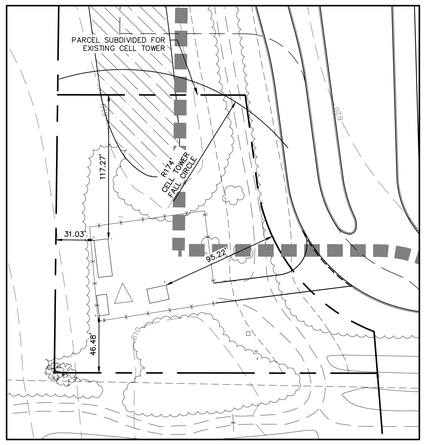
RURAL (RU)
HAMLET RESIDENTIAL (HR)
COMMERCIAL RECREATION OVERLAY (CR)
ADDITIONAL APPLICABLE OVERLAY DISTRICTS:
AQ3, AQ6
FLOODPLAIN & PONDING AREA OVERLAY
STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY
SCENIC ROAD CORRIDOR OVERLAY

MINIMUM	"RU" ZONING DISTRICT AQ3 OVERLAY REQUIRED [1]	"RU" ZONING DISTRICT AQ6 OVERLAY REQUIRED [1]	"HR" ZONING DISTRICT REQUIRED	"CR" OVERLAY ZONING DISTRICT REQUIRED [2]	PROPOSED THEME PARK	CELL TOWER PARCEL (SUBDIVISION COMPLETED)
LOT AREA	1.5 ACRES	2 ACRES	SUBJECT TO USE TABLE AND HR DISTRICT DIMENSIONAL REQUIREMENTS. SETBACKS ESTABLISHED AT THE TIME OF SITE PLAN APPROVAL.	200 ACRES	490.130± AC. [3]	1.001± AC.
ROAD FRONTAGE	150 FEET	200 FEET		500 FEET	HARRIMAN DR. 2,000± FT. ARCADIA RD. 886± FT. CONKLINGTOWN RD. 1,050± FT.	0 FEET (EXISTING CONDITION)
FRONT YARD SETBACK ON TOWN ROAD	30 FT.	30 FT.		50 FT.	276± FT. (BOH SECURITY BOOTH)	N/A
FRONT YARD SETBACK ON COUNTY/STATE ROAD	50 FT.	50 FT.		N/A		N/A
SIDE YARD SETBACK	20 FT.	30 FT.		50 FT.	134± FT. (WATER TANK)	31± FT. [4]
REAR YARD SETBACK	30 FT.	50 FT.		50 FT.	199± FT. (HOTEL)	46± FT. [4]
MAXIMUM						
IMPERVIOUS SURFACE COVERAGE	15%	10%	N/A	25%	14.2%	4.9%
HEIGHT	35 FT.	35 FT.	35 FT.	100 FT.	65± FT.	174' (EX TOWER) [5]
FOOTPRINT FOR NON-RESIDENTIAL STRUCTURES	N/A	N/A	10,000 SF.	100,000 SF.	N/A	792± SF.

[1] SUBJECT TO ENVIRONMENTAL CONTROL FORMULA
[2] COMMERCIAL RECREATION OVERLAY ZONE BULK DIMENSIONS UNLESS OTHERWISE APPROVED BY THE PLANNING BOARD
[3] PROPOSED LOT AREA DEPICTS REMAINING LANDS AFTER ACCOUNTING FOR PROPOSED OFFERS OF DEDICATIONS AND SUBDIVISIONS
[4] EXISTING CELL TOWER SETBACKS GRANTED WAIVER BY TOWN OF GOSHEN PLANNING BOARD JUNE 7, 2012
[5] EXISTING CELL TOWER HEIGHT VARIANCE GRANTED BY TOWN OF GOSHEN ZONING BOARD OF APPEALS JUNE 19, 2012

LEGEND

	PROPERTY LINE
590	ADJOINING PARCEL LINES
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING EASEMENT
	EXISTING WATERCOURSE
	EXISTING FEDERAL WETLAND BOUNDARY
	EXISTING NYS WETLAND BOUNDARY
	STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
	FLOODPLAIN AND PONDING AREA OVERLAY
590	PROPOSED MAJOR CONTOUR
588	PROPOSED MINOR CONTOUR
	PROPOSED EDGE OF PAVEMENT
	PROPOSED RETAINING WALL
	PROPOSED DRAINAGE
	PROPOSED SWALE
	PROPOSED SANITARY SEWER
	PROPOSED WATER MAIN
	PROPOSED HYDRANT/VALVE
	PROPOSED DRAINAGE MANHOLE
	PROPOSED FLAT INLET CATCH BASINS
	PROPOSED CURB INLET CATCH BASIN



PROPOSED PARCEL FOR EXISTING CELL TOWER

SCALE: 1" = 50'

PARKING CALCULATION TABLE

LOCATION	PROVIDED	TOTAL PROVIDED
MAIN DAY GUEST PARKING	3,337 ON-GRADE CAR PARKING SPACES 579 PARKING DECK CAR PARKING SPACES 56 ADA ACCESSIBLE CAR PARKING SPACES	3,972 CAR
HOTEL GUEST PARKING	250 CAR PARKING ON-GRADE 8 ACCESSIBLE CAR PARKING SPACES ON-GRADE	258 CAR
BACK OF HOUSE / ADMINISTRATION AREA EMPLOYEE PARKING	50 BUS PARKING (GUEST BUS PARKING) 558 CAR PARKING - MAIN LOT 18 CAR PARKING - VIP ADMIN BUILDING LOT 16 ACCESSIBLE CAR PARKING - MAIN LOT 1 ACCESSIBLE CAR SPACE - VIP ADMIN BUILDING LOT	50 BUS 593 EMPLOYEE / ADMIN. CARS
	PROPOSED TOTAL=	50 BUS 4,823 CAR

Note: Parking calculation table is approximate and subject to minor field modifications

ACCESSIBLE PARKING SPACE REQUIREMENTS
Main Day Guest Parking = 3,972 Total Spaces Provided ADA Requires: 20 spaces required up to 1,000 spaces + 1 per 100 spaces = 50 Accessible spaces required. Provided = 56 Total Accessible spaces
Hotel Parking = 258 Total Spaces Provided ADA Requires: 201-300 spaces requires 7 spaces be provided. Provided = 8 Accessible spaces
Employee Parking = 593 Total Spaces Provided ADA Requires: 2% of total shall be accessible. 593 x 2% = 12 Accessible spaces required. Provided = 17 Accessible spaces

RECORD OWNER:

LEGOLAND NEW YORK LLC
C/O MERLIN ENTERTAINMENTS GROUP
3201 LIONSHEAD AVENUE
CARLSBAD, CA 92010

11 - 1 - 46.2
11 - 1 - 49.22
11 - 1 - 49.23
11 - 1 - 49.24
15 - 1 - 59.4

L. 14307 P. 592
L. 14307 P. 1228
L. 14314 P. 1968
L. 14314 P. 1977

TOTAL AREA OF TAX LOTS:

TAX LOT 11 - 1 - 46.2	398.150± AC.
TAX LOT 11 - 1 - 49.22	101.872± AC.
TAX LOT 11 - 1 - 49.23	0.732± AC.
TAX LOT 11 - 1 - 49.24	0.980± AC.
TAX LOT 15 - 1 - 59.4	0.219± AC.
TOTAL:	501.953± AC.

GRAPHIC SCALE

300 0 150 300 600 1200

(IN FEET)
1 inch = 300 ft.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

OVERALL SITE CONCEPT PLAN FOR

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

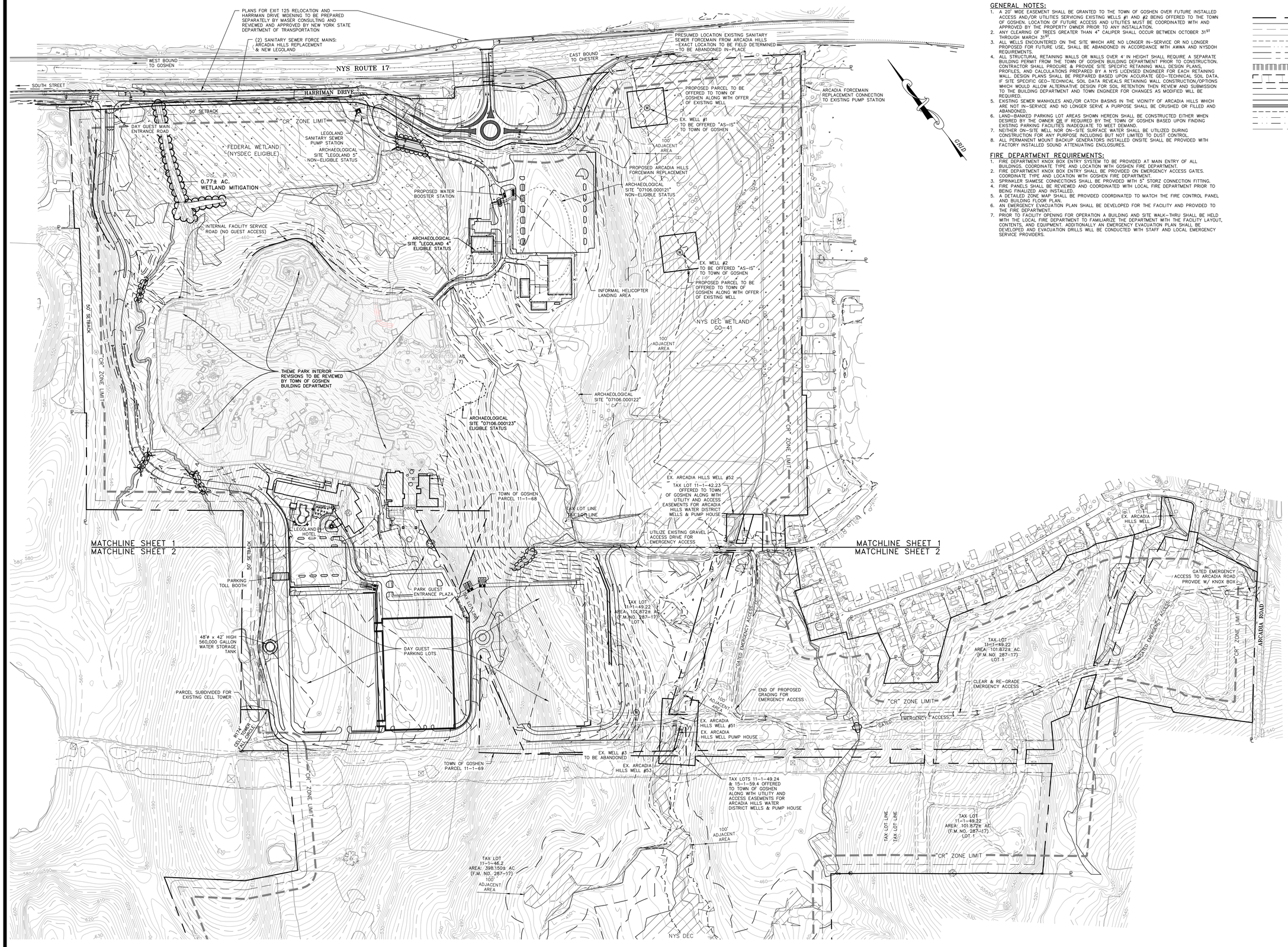
Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-SITEPLAN
Layout:	OVERALL 300
Drawn By: MK	Checked By: JOR
Scale: 1" = 300'	Project No.: 16-0042
Tax Map No.:	SEE ABOVE
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 2 OF 43

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.



GENERAL NOTES:

1. A 20' WIDE EASEMENT SHALL BE GRANTED TO THE TOWN OF GOSHEN OVER FUTURE INSTALLED ACCESS AND/OR UTILITIES SERVICING EXISTING WELLS #1 AND #2 BEING OFFERED TO THE TOWN OF GOSHEN. LOCATION OF FUTURE ACCESS AND UTILITIES MUST BE COORDINATED WITH AND APPROVED BY THE PROPERTY OWNER PRIOR TO ANY INSTALLATION.
2. ANY CLEARING OF TREES GREATER THAN 4" CALIPER SHALL OCCUR BETWEEN OCTOBER 31ST THROUGH MARCH 31ST.
3. ALL WELLS ENCOUNTERED ON THE SITE WHICH ARE NO LONGER IN-SERVICE OR NO LONGER PROPOSED FOR FUTURE USE, SHALL BE ABANDONED IN ACCORDANCE WITH AWWA AND NYSDOH REQUIREMENTS.
4. ALL STRUCTURAL RETAINING WALLS OR WALLS OVER 4' IN HEIGHT SHALL REQUIRE A SEPARATE BUILDING PERMIT FROM THE TOWN OF GOSHEN BUILDING DEPARTMENT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROCURE & PROVIDE SITE SPECIFIC RETAINING WALL DESIGN PLANS, PROFILES, AND CALCULATIONS PREPARED BY A NYS LICENSED ENGINEER FOR EACH RETAINING WALL. DESIGN PLANS SHALL BE PREPARED BASED UPON ACCURATE GEO-TECHNICAL SOIL DATA. IF SITE SPECIFIC GEO-TECHNICAL SOIL DATA REVEALS RETAINING WALL CONSTRUCTION/OPTIONS WHICH WOULD ALLOW ALTERNATIVE DESIGN FOR SOIL RETENTION THEN REVIEW AND SUBMISSION TO THE BUILDING DEPARTMENT AND TOWN ENGINEER FOR CHANGES AS MODIFIED WILL BE REQUIRED.
5. EXISTING SEWER MANHOLES AND/OR CATCH BASINS IN THE VICINITY OF ARCADIA HILLS WHICH ARE NOT IN-SERVICE AND NO LONGER SERVE A PURPOSE SHALL BE CRUSHED OR FILLED AND ABANDONED.
6. LAND-BANKED PARKING LOT AREAS SHOWN HEREON SHALL BE CONSTRUCTED EITHER WHEN DESIRED BY THE OWNER OR IF REQUIRED BY THE TOWN OF GOSHEN BASED UPON FINDING EXISTING PARKING FACILITIES INADEQUATE TO MEET DEMAND.
7. NEITHER ON-SITE WELL NOR ON-SITE SURFACE WATER SHALL BE UTILIZED DURING CONSTRUCTION FOR ANY PURPOSE INCLUDING BUT NOT LIMITED TO DUST CONTROL.
8. ALL PERMANENT MOUNT BACKUP GENERATORS INSTALLED ONSITE SHALL BE PROVIDED WITH FACTORY INSTALLED SOUND ATTENUATING ENCLOSURES.

FIRE DEPARTMENT REQUIREMENTS:

1. FIRE DEPARTMENT KNOX BOX ENTRY SYSTEM TO BE PROVIDED AT MAIN ENTRY OF ALL BUILDINGS. COORDINATE TYPE AND LOCATION WITH GOSHEN FIRE DEPARTMENT.
2. FIRE DEPARTMENT KNOX BOX ENTRY SHALL BE PROVIDED ON EMERGENCY ACCESS GATES. COORDINATE TYPE AND LOCATION WITH GOSHEN FIRE DEPARTMENT.
3. SPRINKLER SIAMESE CONNECTIONS SHALL BE PROVIDED WITH 5" STORZ CONNECTION FITTING.
4. FIRE PANELS SHALL BE REVIEWED AND COORDINATED WITH LOCAL FIRE DEPARTMENT PRIOR TO BEING FINALIZED AND INSTALLED.
5. A DETAILED ZONE MAP SHALL BE PROVIDED COORDINATED TO MATCH THE FIRE CONTROL PANEL AND BUILDING FLOOR PLAN.
6. AN EMERGENCY EVACUATION PLAN SHALL BE DEVELOPED FOR THE FACILITY AND PROVIDED TO THE FIRE DEPARTMENT.
7. PRIOR TO FACILITY OPENING FOR OPERATION A BUILDING AND SITE WALK-THRU SHALL BE HELD WITH THE LOCAL FIRE DEPARTMENT TO FAMILIARIZE THE DEPARTMENT WITH THE FACILITY LAYOUT, CONTENTS, AND EQUIPMENT. ADDITIONALLY AN EMERGENCY EVACUATION PLAN SHALL BE DEVELOPED AND EVACUATION DRILLS WILL BE CONDUCTED WITH STAFF AND LOCAL EMERGENCY SERVICE PROVIDERS.

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

SITE PLAN – 200 SCALE
SHEET 1 OF 2

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-SITEPLAN	
Layout: SP 200_1	
Drawn By: MK	Checked By: JOR
Scale: 1" = 200'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 5 OF 43	

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- 590 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- 590 — PROPOSED MAJOR CONTOUR
- 588 — PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

SITE PLAN – 200 SCALE
SHEET 2 OF 2

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-SITEPLAN	
Layout: SP 200_2	
Drawn By: MK	Checked By: JOR
Scale: 1" = 200'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 6 OF 43	

WEST BOUND TO GOSHEN

PLANS FOR EXIT 125 RELOCATION AND HARRIMAN DRIVE WIDENING TO BE PREPARED SEPARATELY BY MASER CONSULTING AND REVIEWED AND APPROVED BY NEW YORK STATE DEPARTMENT OF TRANSPORTATION

NYS ROUTE 17

PLANS FOR EXIT 125 RELOCATION AND HARRIMAN DRIVE WIDENING TO BE PREPARED SEPARATELY BY MASER CONSULTING AND REVIEWED AND APPROVED BY NEW YORK STATE DEPARTMENT OF TRANSPORTATION

EAST BOUND TO CHESTER

(2) SANITARY SEWER FORCE MAINS: ARCADIA HILLS REPLACEMENT & NEW LEGOLAND

OUTH STREET

HARRIMAN DRIVE

50' SETBACK

PRESUMED LOCATION EXISTING SANITARY SEWER FORCEMAIN FROM ARCADIA HILLS -EXACT LOCATION TO BE FIELD DETERMINED -TO BE ABANDONED IN-PLACE

PROPOSED R.O.W.

ARCHAEOLOGICAL SITE "LEGOLAND 5" NON-ELIGIBLE STATUS

50' SETBACK

CR ZONE LIMIT

LEGOLAND SANITARY SEWER PUMP STATION

PROPOSED PARCEL TO BE OFFERED TO TOWN OF GOSHEN ALONG WITH OFFER OF EXISTING WELL

EX. WELL #1 TO BE OFFERED "AS-IS" TO TOWN OF GOSHEN

50' SETBACK

DAY GUEST MAIN ENTRANCE ROAD

FEDERAL WETLAND (NYSDEC ELIGIBLE)

PROPOSED TEMPORARY FEDERAL WETLAND DISTURBANCE=0.026± AC.

PROPOSED PERMANENT FEDERAL WETLAND DISTURBANCE=0.179± AC.

PROPOSED ARCADIA HILLS FORCEMAIN REPLACEMENT

100' ADJACENT AREA

ARCHAEOLOGICAL SITE "07106.000121" NON-ELIGIBLE STATUS

PROPOSED WATER BOOSTER STATION

50 BUS PARKING
&
558 CAR SPACES
+ 16 ACCESSIBLE CAR SPACES
=574 TOTAL PARKING

APPROX. LIMITS OF FLOODPLAIN

ARCHAEOLOGICAL SITE "LEGOLAND 4" ELIGIBLE STATUS

ADMINISTRATION BUILDING

FUTURE ADMIN. BLDG. EXPANSION

EMERGENCY ACCESS GATE PROVIDE WITH KNOX-BOX ENTRY

MAINTENANCE/ WAREHOUSE BUILDING

LANDSCAPE BUILDING

TRASH FACILITY

INFORMAL HELICOPTER LANDING AREA

EX. WELL #2 TO BE OFFERED "AS-IS" TO TOWN OF GOSHEN

PROPOSED PARCEL TO BE OFFERED TO TOWN OF GOSHEN ALONG WITH OFFER OF EXISTING WELL

PROPOSED PERMANENT FEDERAL WETLAND DISTURBANCE=0.039± AC.

50' SETBACK

CR ZONE LIMIT

NYS DEC WETLAND GO-41

100' ADJACENT AREA

THEME PARK INTERIOR REVISIONS TO BE REVIEWED BY TOWN OF GOSHEN BUILDING DEPARTMENT

ARCHAEOLOGICAL SITE "07106.000123" ELIGIBLE STATUS

PROPOSED DRY-BARREL WATERMAIN CONNECTION (VALVE NORMALLY CLOSED) 8" D.I.O.D. POLYETHYLENE PC 150

FEDERAL WETLAND

ARCHAEOLOGICAL SITE "07106.000122"

MATCHLINE SHEET 1
MATCHLINE SHEET 2

MATCHLINE SHEET 1
MATCHLINE SHEET 2

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- EXISTING MAJOR CONTOUR (590)
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- PROPOSED MAJOR CONTOUR (590)
- PROPOSED MINOR CONTOUR (588)
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

GRID

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

COPYRIGHT 2016, LANC & TULLY, P.C.

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

SITE PLAN – 100 SCALE
SHEET 1 OF 3

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-SITEPLAN
Layout:	SP 100 1_3
Drawn By: MK	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.:	SEE SHEET 2
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 7 OF 43

MATCHLINE SHEET 1
MATCHLINE SHEET 2

THEME PARK INTERIOR REVISIONS TO BE REVIEWED BY TOWN OF GOSHEN BUILDING DEPARTMENT

FEDERAL WETLAND

SITE "07106.000122"

PROPOSED PERMANENT FEDERAL WETLAND DISTURBANCE=0.030± AC.

PROPOSED PERMANENT FEDERAL WETLAND DISTURBANCE=0.040± AC.

50' SETBACK

LEGOLAND HOTEL

SEA LIFE (FUTURE)

HOTEL PARKING 250 CARS + 8 ACCESSIBLE =258 TOTAL

PARKING CONTROL OVERHEAD STRUCTURE

PARK GUEST ENTRANCE PLAZA

PASSENGER CAR DROP-OFF ZONE

56 ACCESSIBLE PARKING

BUS DROP-OFF ZONE

GUEST PARKING LOT 1 1,112 CARS

GUEST PARKING LOT 2 PARKING ON-GRADE 1,041 CARS

GUEST PARKING LOT 3 1,184 CARS

PARKING DECK 579 CARS

PROPOSED SINGLE-LEVEL PARKING DECK 579± SPACES TO BE DESIGNED BY OTHERS

48'9 x 42' HIGH 560,000 GALLON WATER STORAGE TANK

PARCEL SUBDIVIDED FOR EXISTING CELL TOWER

EXISTING TOWER FALL CIRCLE

"CR" ZONE LIMIT

TOWN OF GOSHEN PARCEL 11-1-68

TOWN OF GOSHEN PARCEL 11-1-69

EMERGENCY ACCESS GATE PROVIDE WITH KNOX-BOX ENTRY

PROPOSED PERMANENT FEDERAL WETLAND DISTURBANCE=0.073± AC.

TERMINATE DRY-BARREL WATERMAIN CONNECTION FOR FUTURE CONNECTION BY TOWN OF GOSHEN INSTALL HYDRANT, VALVE, & CAP

UTILIZE EXISTING GRAVEL ACCESS DRIVE FOR EMERGENCY ACCESS

APPROX. LIMITS OF FLOODPLAIN

EX. ARCADIA HILLS WELL #52

TAX LOT 11-1-42.23 OFFERED TO TOWN OF GOSHEN ALONG WITH UTILITY AND ACCESS EASEMENTS FOR ARCADIA HILLS WATER DISTRICT WELLS & PUMP HOUSE

END OF PROPOSED GRADING FOR EMERGENCY ACCESS

GATED EMERGENCY ACCESS

WHEN EXISTING GRAVEL DRIVE TO 18' PAVING PROPOSED

NYS DEC WETLAND

100' ADJACENT AREA

EX. ARCADIA HILLS WELL #51

EX. ARCADIA HILLS WELL PUMP HOUSE

EX. WELL #3 TO BE ABANDONED

EX. ARCADIA HILLS WELL #53

MATCHLINE SHEET 2
MATCHLINE SHEET 3

COPYRIGHT 2016, LANC & TULLY, P.C.

LEGEND

	PROPERTY LINE
	ADJOINING PARCEL LINES
590	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING EASEMENT
	EXISTING WATERCOURSE
	EXISTING FEDERAL WETLAND BOUNDARY
	EXISTING NYS WETLAND BOUNDARY
	STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
	FLOODPLAIN AND PONDING AREA OVERLAY
590	PROPOSED MAJOR CONTOUR
588	PROPOSED MINOR CONTOUR
	PROPOSED EDGE OF PAVEMENT
	PROPOSED RETAINING WALL
	PROPOSED DRAINAGE
	PROPOSED SWALE
	PROPOSED SANITARY SEWER
	PROPOSED WATER MAIN
	PROPOSED HYDRANT/VALVE
	PROPOSED DRAINAGE MANHOLE
	PROPOSED FLAT INLET CATCH BASINS
	PROPOSED CURB INLET CATCH BASIN

GRID

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

SITE PLAN – 100 SCALE
SHEET 2 OF 3

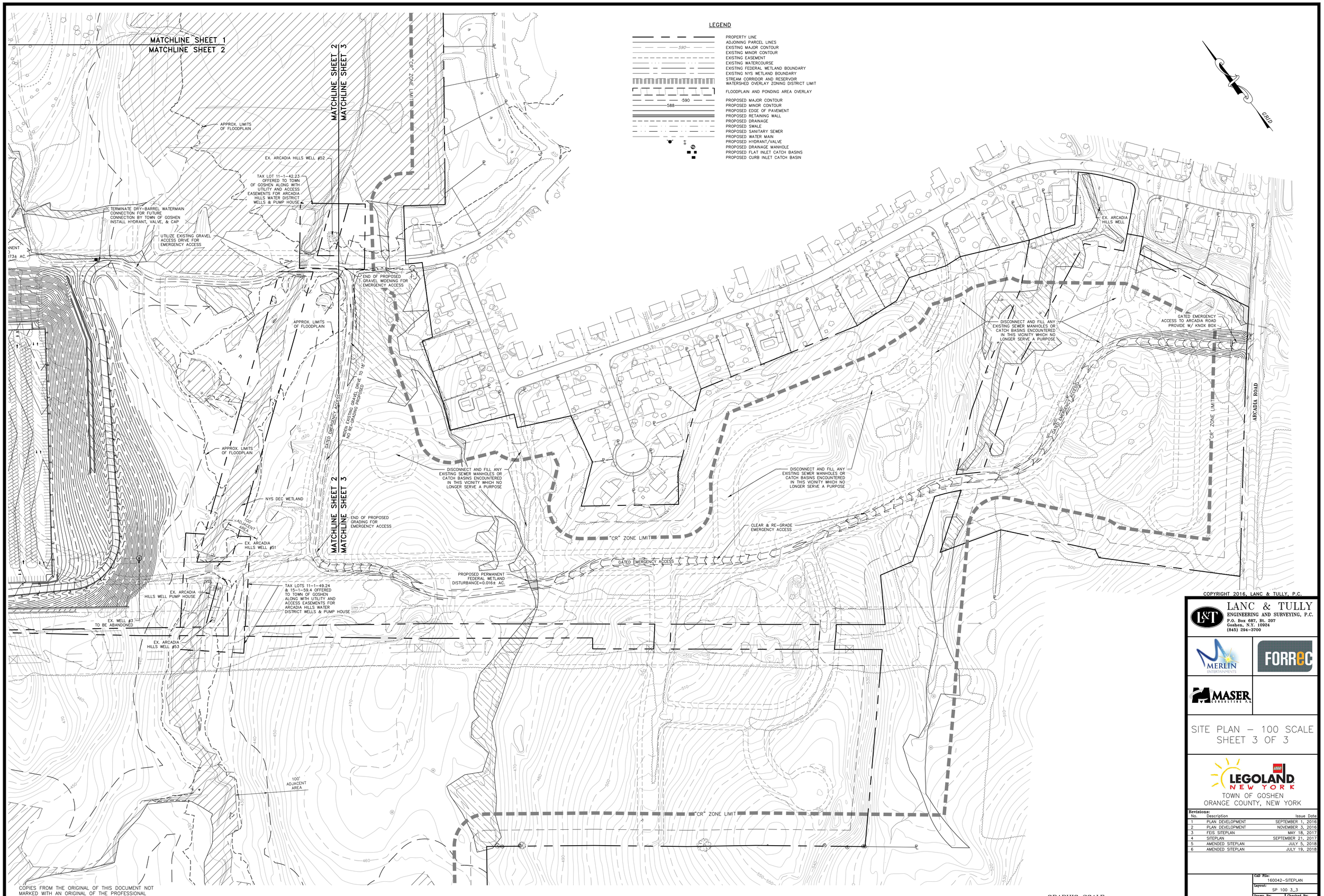
LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-SITEPLAN	
Layout: SP 100 2_3	
Drawn By: MK	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 8 OF 43	



COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

SITE PLAN – 100 SCALE
SHEET 3 OF 3

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-SITEPLAN
Layout:	SP 100 3_3
Drawn By: MK	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.:	SEE SHEET 2
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 9 OF 43

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

MATCHLINE SHEET 1
MATCHLINE SHEET 3

RETAINING WALL
215 L.F.
MAX HEIGHT=19'

ELECTRIC CAR CHARGER

18 STANDARD
+ 1 ACCESSIBLE SPOTS
=19 TOTAL PARKING

ADMINISTRATION BUILDING

FUTURE
ADMIN. BLDG.
EXPANSION

50 BUS PARKING
&
558 CAR SPACES
+ 16 ACCESSIBLE CAR SPACES
=574 TOTAL PARKING

PROPOSED DRY-BARREL WATERMAIN
CONNECTION (VALVE NORMALLY CLOSED)
8" DIOD POLYETHYLENE PC 150

TEMPORARY CAP TO ALLOW FOR
PARKING LOT CONSTRUCTION
PRIOR TO INSTALLATION OF
FULL WATERMAIN LENGTH

ELECTRIC CAR CHARGER

MOUNTABLE
CURB

MAINTENANCE/
WAREHOUSE
BUILDING

LANDSCAPE BUILDING

GENERATOR
EXACT SIZE &
LOCATION T.B.D.

GEN

TRASH
FACILITY

EX. WELL
TO BE ABANDONED

ARCHAEOLOGICAL
SITE "LEGOLAND 4"
ELIGIBLE STATUS

END
GUIDERAIL

END
GUIDERAIL

RETAINING WALL
100 L.F.
MAX HEIGHT=11'

RETAINING WALL
252 L.F.
MAX HEIGHT=15'

BREAK
GUIDERAIL

MAINTENANCE ACCESS

MATCHLINE SHEET 7
MATCHLINE SHEET 3

EX. WELL
TO BE ABANDONED

THEME PARK INTERIOR
REVISIONS TO BE REVIEWED
BY TOWN OF GOSHEN
BUILDING DEPARTMENT

START
GUIDERAIL

ARCHAEOLOGICAL
SITE "07106.000123"
ELIGIBLE STATUS

PROPOSED DRY-BARREL WATERMAIN
CONNECTION (VALVE NORMALLY CLOSED)
8" D.I.O.D. POLYETHYLENE PC 150

THEME PARK INTERIOR
REVISIONS TO BE REVIEWED
BY TOWN OF GOSHEN
BUILDING DEPARTMENT

FUTURE
EXPANSION

MATCHLINE SHEET 3
MATCHLINE SHEET 4

GRID

LEGEND

	PROPERTY LINE
	ADJOINING PARCEL LINES
590	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING EASEMENT
	EXISTING WATERCOURSE
	EXISTING FEDERAL WETLAND BOUNDARY
	EXISTING NYS WETLAND BOUNDARY
	STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
	FLOODPLAIN AND PONDING AREA OVERLAY
590	PROPOSED MAJOR CONTOUR
588	PROPOSED MINOR CONTOUR
	PROPOSED EDGE OF PAVEMENT
	PROPOSED RETAINING WALL
	PROPOSED DRAINAGE
	PROPOSED SWALE
	PROPOSED SANITARY SEWER
	PROPOSED WATER MAIN
	PROPOSED HYDRANT/VALVE
	PROPOSED DRAINAGE MANHOLE
	PROPOSED FLAT INLET CATCH BASINS
	PROPOSED CURB INLET CATCH BASIN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

GRADING & UTILITY PLAN
SHEET 3 OF 7

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-G_U Plan	
Layout: G_U 3	
Drawn By: MK	Checked By: JOR
Scale: 1" = 50'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 13 OF 43	

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- 590 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- 590 — PROPOSED MAJOR CONTOUR
- 588 — PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERPRISES

FORREC

MASER CONSULTING P.A.

GRADING & UTILITY PLAN
SHEET 4 OF 7

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-G_U Plan
Layout:	G_U 4
Drawn By: MK	Checked By: JOR
Scale: 1" = 50'	Project No.: 16-0042
Tax Map No.:	SEE SHEET 2
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 14 OF 43

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

MATCHLINE SHEET 2
MATCHLINE SHEET 5

ELECTRIC CAR CHARGER
GUEST BICYCLE RACKS
RETAINING WALL 710 L.F. MAX HEIGHT=18.5'
END GUIDERAIL
HOTEL PARKING 250 CARS + 8 ACCESSIBLE =258 TOTAL
RETAINING WALL 220 L.F. MAX HEIGHT=4'
START GUIDERAIL
GENERATOR EXACT SIZE & LOCATION T.B.D.
SEA LIFE
RETAINING WALL 137 L.F. MAX HEIGHT=10'
SEA LIFE (FUTURE)
SEA LIFE BUILDING PAD TO BE GRADED, TOPSOILED, & SEEDED UNTIL BUILDING IS CONSTRUCTED
PLAZA ENTRY GATE (BACK AND FORTH)
EXISTING 45" OAK TREE EL.=559.59 TO BE EXAMINED BY ARBORIST & PRESERVED IF HEALTHY
SECURITY SCREENING
EMERGENCY ACCESS ROUTE
MOUNTABLE CURB
PASSENGER CAR DROP-OFF ZONE
56 ACCESSIBLE PARKING
BUS DROP-OFF ZONE
END GUIDERAIL
MATCHLINE SHEET 5
MATCHLINE SHEET 6
TOWN OF G
PARCEL 11-
50' SETBACK
PARKING TOLL BOOTH
GOLF CART PULL-OFF
RESORT ENTRANCE ROAD
RESORT EXIT ROAD
N/F SERDAREVIC L. 2412 P. 61 15 - 1 - 58 FM 7.7 LOT MAP NO. 8629
GUEST PARKING LOT 1,112 CARS
START GUIDERAIL
PARKING DECK ACCESS
GUEST PARKING LOT 2 PARKING ON-GRADE 1,041 CARS
ELECTRIC CAR CHARGERS
48'ø x 42' HIGH 560,000 GALLON WATER STORAGE TANK
8' CHAINLINK FENCE
CATCH BASIN & 15" HDPE TANK OVERFLOW
MOUNTABLE CURB
GRAVEL MAINTENANCE ACCESS
EX. WELL TO BE ABANDONED
PROPOSED SINGLE-LEVEL PARKING DECK 579± SPACES TO BE DESIGNED BY OTHERS
RETAINING WALL 755 L.F. MAX HEIGHT=30'
PARKING DECK 579 CARS
PARCEL SUBDIVIDED FOR EXISTING CELL TOWER
RETAINING WALL 960 L.F. MAX HEIGHT=19'
RETAINING WALL 132 L.F. MAX HEIGHT=4'
CELL TOWER FALL CIRCLE
117.27'
31.03'
96.22'
46.48'
CHAIN LINK FENCE
3 LANE PARKING ACCESS FACILITY OPERATOR SHALL PLACE CONES TO PROVIDE 2 LANES IN DIRECTION OF HEAVY TRAFFIC
MATCHLINE SHEET 5
MATCHLINE SHEET 6

GRID

LEGEND

	PROPERTY LINE
	ADJOINING PARCEL LINES
590	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING EASEMENT
	EXISTING WATERCOURSE
	EXISTING FEDERAL WETLAND BOUNDARY
	EXISTING NYS WETLAND BOUNDARY
	STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
	FLOODPLAIN AND PONDING AREA OVERLAY
590	PROPOSED MAJOR CONTOUR
588	PROPOSED MINOR CONTOUR
	PROPOSED EDGE OF PAVEMENT
	PROPOSED RETAINING WALL
	PROPOSED DRAINAGE
	PROPOSED SWALE
	PROPOSED SANITARY SEWER
	PROPOSED WATER MAIN
	PROPOSED HYDRANT/VALVE
	PROPOSED DRAINAGE MANHOLE
	PROPOSED FLAT INLET CATCH BASINS
	PROPOSED CURB INLET CATCH BASIN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS
FORREC
MASER CONSULTING P.A.

GRADING & UTILITY PLAN
SHEET 5 OF 7

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-G_U Plan	
Layout: G_U 5	
Drawn By: MK	Checked By: JOR
Scale: 1" = 50'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 15 OF 43	

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

MATCHLINE SHEET 5
MATCHLINE SHEET 6

TOWN OF GOSHEN PARCEL 11-1-68

PROPOSED PERMANENT FEDERAL WETLAND DISTURBANCE=0.073± AC.

TERMINATE DRY-BARREL WATERMAIN CONNECTION FOR FUTURE CONNECTION BY TOWN OF GOSHEN INSTALL HYDRANT, VALVE, & CAP

UTILIZE EXISTING GRAVEL ACCESS DRIVE FOR EMERGENCY ACCESS

TAX LOT 11-1-42.23 OFFERED TO TOWN OF GOSHEN ALONG WITH UTILITY AND ACCESS EASEMENTS FOR ARCADIA HILLS WATER DISTRICT WELLS & PUMP HOUSE

EX. ARCADIA HILLS WELL

CHAIN LINK FENCE

18" RCP

24" RCP

END OF PROPOSED GRAVEL WIDENING FOR EMERGENCY ACCESS

MATCHLINE SHEET 4
MATCHLINE SHEET 6

END GUIDERAIL

RETAINING WALL 260 L.F. MAX HEIGHT=6.5'

RETAINING WALL 545 L.F. MAX HEIGHT=15'

RETAINING WALL 618 L.F. MAX HEIGHT=12'

100' ADJACENT AREA

APPROX. LIMITS OF FLOODPLAIN

ELECTRIC CAR CHARGERS

GUEST PARKING LOT 3 1,184 CARS

RETAINING WALL 755 L.F. HEIGHT=30'

PARKING DECK 579 CARS

GATED EMERGENCY ACCESS

TWIT DRIVE

WIDEN EXISTING GRAVEL DRIVE TO 18' AND RE-GRADING PROPOSED

APPROX. LIMITS OF FLOODPLAIN

100' ADJACENT AREA

EX. WELL #3 TO BE ABANDONED

RETAINING WALL 100 L.F. MAX HEIGHT=4.5'

START GUIDERAIL

TOWN OF GOSHEN PARCEL 11-1-69

EMERGENCY ACCESS GATE PROVIDE WITH KNOX-BOX ENTRY

GATED EMERGENCY ACCESS

RETAINING WALL 577 L.F. MAX HEIGHT=23'

RETAINING WALL 271 L.F. MAX HEIGHT=10'

EX. ARCADIA HILLS WELL #51

48" RCP

EX. ARCADIA HILLS WELL PUMP HOUSE

EX. ARCADIA HILLS WELL #53

CHAIN LINK FENCE

PAVED AREA

12" CMP

GRAVEL DRIVE

HYDRANTS

WATER VALVES

END OF PROPOSED GRADING FOR EMERGENCY ACCESS

TAX LOTS 11-1-49.24 & 15-1-59.4 OFFERED TO TOWN OF GOSHEN ALONG WITH UTILITY AND ACCESS EASEMENTS FOR ARCADIA HILLS WATER DISTRICT WELLS & PUMP HOUSE

MATCHLINE SHEET 5
MATCHLINE SHEET 6

GRID

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- 590 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- 590 — PROPOSED MAJOR CONTOUR
- 588 — PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

GRADING & UTILITY PLAN
SHEET 6 OF 7

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-G_U Plan
Layout: G_U 6
Drawn By: MK
Checked By: JOR
Scale: 1" = 50'
Project No.: 16-0042
Tax Map No.: SEE SHEET 2
Date: JULY 21, 2016
Sheet/Drawing No.: C 16 OF 43

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

NYS ROUTE 17

HARRIMAN DRIVE

PLANS FOR EXIT 125 RELOCATION AND HARRIMAN DRIVE WIDENING TO BE PREPARED SEPARATELY BY MASER CONSULTING AND REVIEWED AND APPROVED BY NEW YORK STATE DEPARTMENT OF TRANSPORTATION

PROPOSED ARCADIA HILLS FORCEMAIN REPLACEMENT

PROPOSED NEW LEGOLAND FORCEMAIN

LEGOLAND SANITARY SEWER PUMP STATION

ARCHAEOLOGICAL SITE "LEGOLAND 5" NON-ELIGIBLE STATUS

PROPOSED MONUMENT SIGN FINAL LOCATION T.B.D.

EX. WELL TO BE ABANDONED

RETAINING WALL 178 L.F. MAX HEIGHT=13.5'

RETAINING WALL 234 L.F. MAX HEIGHT=13.5'

PROPOSED TEMPORARY FEDERAL WETLAND DISTURBANCE=0.026± AC.

PROPOSED PERMANENT FEDERAL WETLAND DISTURBANCE=0.179± AC.

RADIAL

RADII

SANITARY MANHOLE

GAS MARKER

GATE

48" RCP

8" HDPE

12" RCP

BOX CULVERT

WATER ELEVATION

PROPOSED ARCADIA HILLS FORCEMAIN REPLACEMENT

START GUIDERAIL

RETAINING WALL 395 L.F. MAX HEIGHT=5.5'

VALVE NORMALLY CLOSED

ARCHAEOLOGICAL SITE "07106.000121" NON-ELIGIBLE STATUS

EMPLOYEE BICYCLE RACKS

PROPOSED WATER BOOSTER STATION

50 BUS PARKING & 558 CAR SPACES + 16 ACCESSIBLE CAR SPACES =574 TOTAL PARKING

RETAINING WALL 215 L.F. MAX HEIGHT=19'

ELECTRIC CAR CHARGER

18 STANDARD + 1 ACCESSIBLE SPOTS =19 TOTAL PARKING

ADMINISTRATION BUILDING

PROPOSED DRY-BARREL WATERMAIN CONNECTION (VALVE NORMALLY CLOSED) 8" DIOD POLYETHYLENE PC 150

TEMPORARY CAP TO ALLOW FOR PARKING LOT CONSTRUCTION PRIOR TO INSTALLATION OF FULL WATERMAIN LENGTH

ELECTRIC CAR CHARGER

END GUIDERAIL

FUTURE ADMIN. BLDG. EXPANSION

ARCHAEOLOGICAL SITE "LEGOLAND 4" ELIGIBLE STATUS

MOUNTABLE CURB

MAINTENANCE/ WAREHOUSE BUILDING

INFORMAL HELICOPTER LANDING AREA

RETAINING WALL 100 L.F. MAX HEIGHT=11'

RETAINING WALL 252 L.F. MAX HEIGHT=15'

END GUIDERAIL

BREAK GUIDERAIL

MAINTENANCE ACCESS

LANDSCAPE BUILDING

GENERATOR EXACT SIZE & LOCATION T.B.D.

MATCHLINE SHEET 7

MATCHLINE SHEET 3

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

GRID

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- 590 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- 590 PROPOSED MAJOR CONTOUR
- 588 PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERPRISES

FORREC

MASER CONSULTING P.A.

GRADING & UTILITY PLAN
SHEET 7 OF 7

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

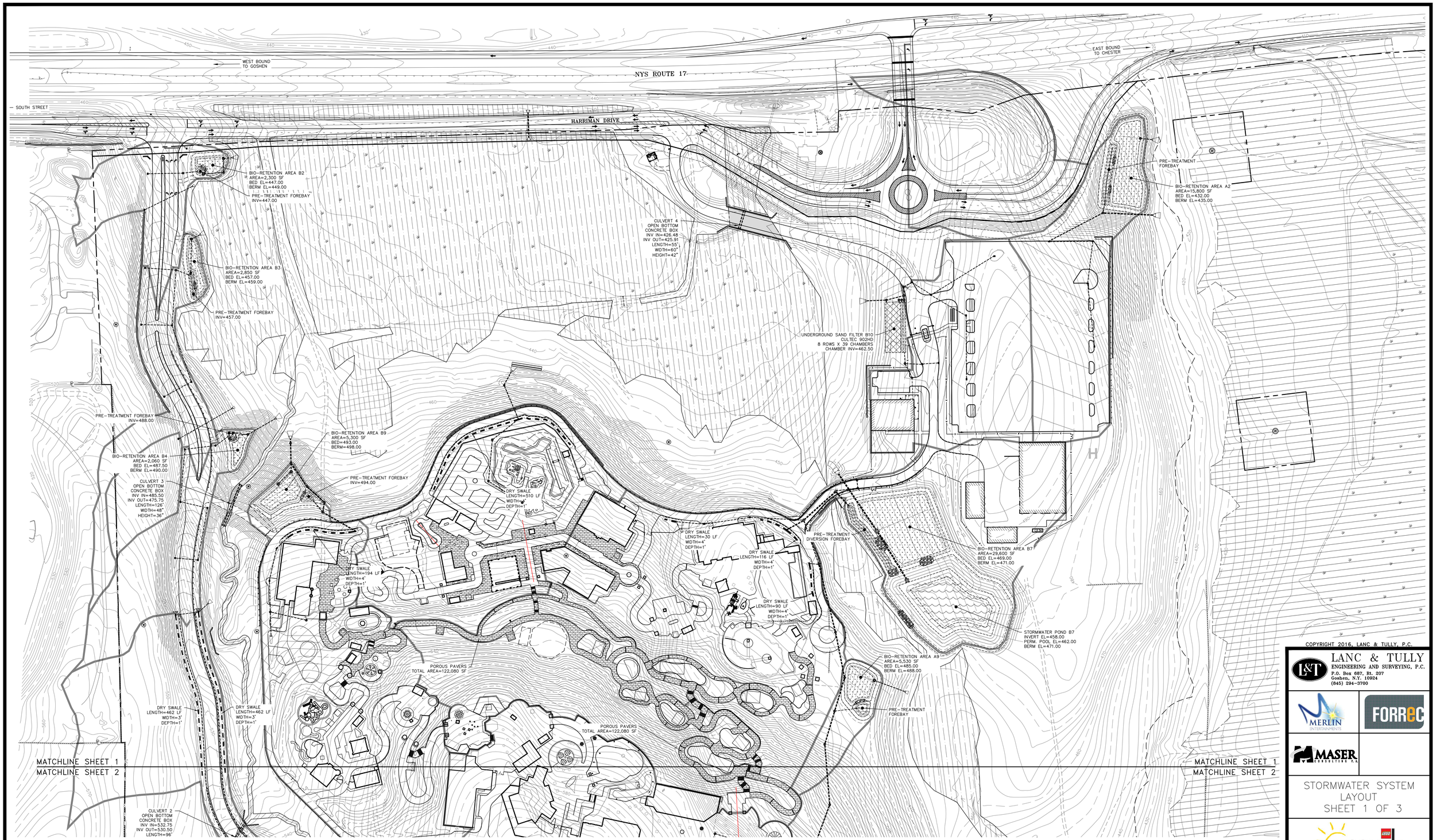
Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-G_U Plan	
Layout: G_U 7	
Drawn By: MK	Checked By: JOR
Scale: 1" = 50'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 17 OF 43	

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.



LEGEND

- PROPOSED DRY SWALE
- PROPOSED BIO-RETENTION AREA
- PROPOSED UNDERGROUND STORMWATER AREA
- PROPOSED STORMWATER POND
- PROPOSED POROUS PAVERS
- STORMWATER PRACTICE CONTRIBUTING AREA

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- 590 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR
- WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- 590 — PROPOSED MAJOR CONTOUR
- 588 — PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

GRID

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN DEVELOPMENTS
FORREC
MASER CONSULTING P.A.

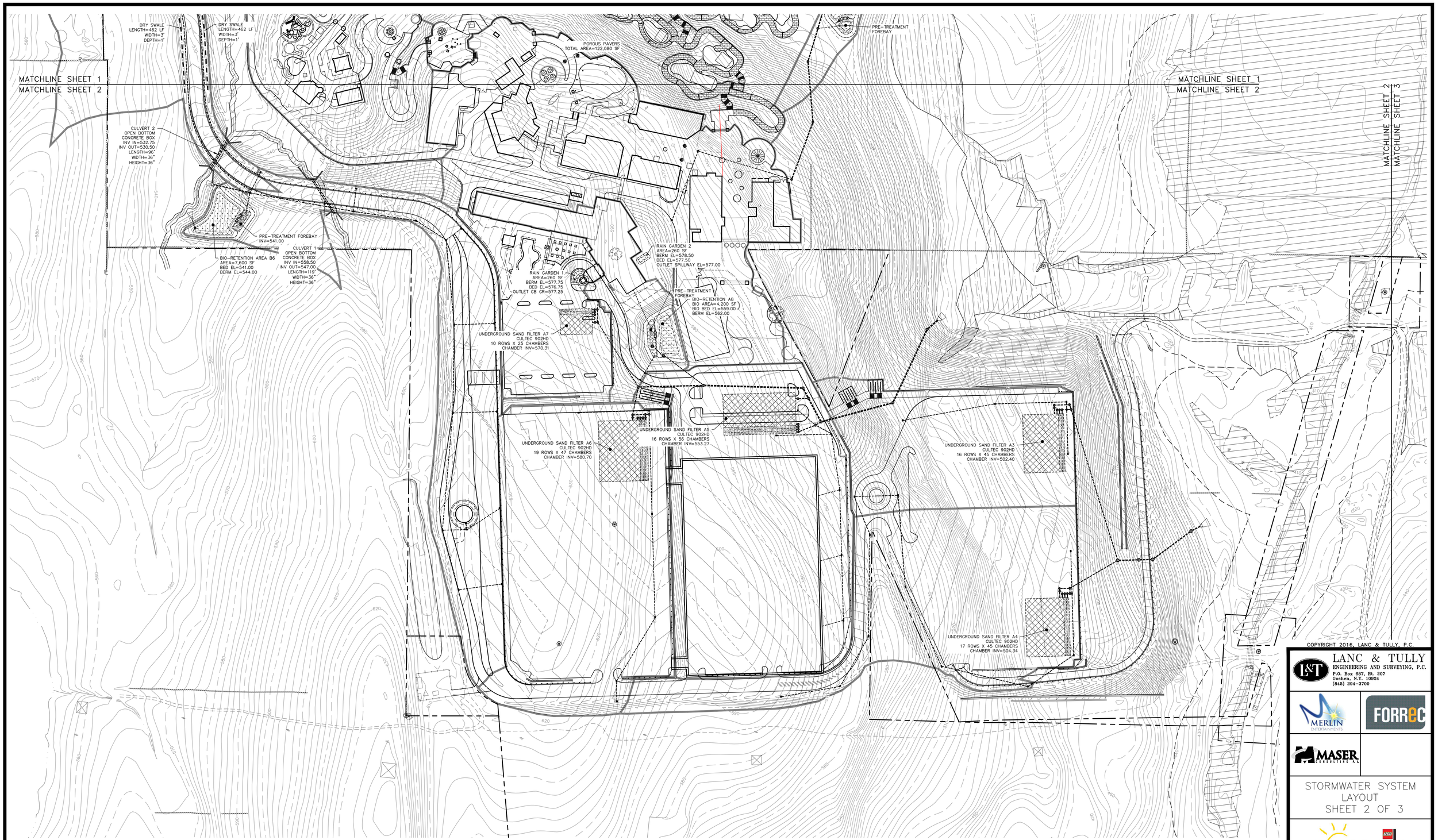
STORMWATER SYSTEM LAYOUT
SHEET 1 OF 3

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-Stormwater Layout	
Layout: SW 1	
Drawn By: ESR	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 18 OF 43	



LEGEND

- PROPOSED DRY SWALE
- PROPOSED BIO-RETENTION AREA
- PROPOSED UNDERGROUND STORMWATER AREA
- PROPOSED STORMWATER POND
- PROPOSED POROUS PAVERS
- STORMWATER PRACTICE CONTRIBUTING AREA

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR
- WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

GRID

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

STORMWATER SYSTEM LAYOUT
SHEET 2 OF 3

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

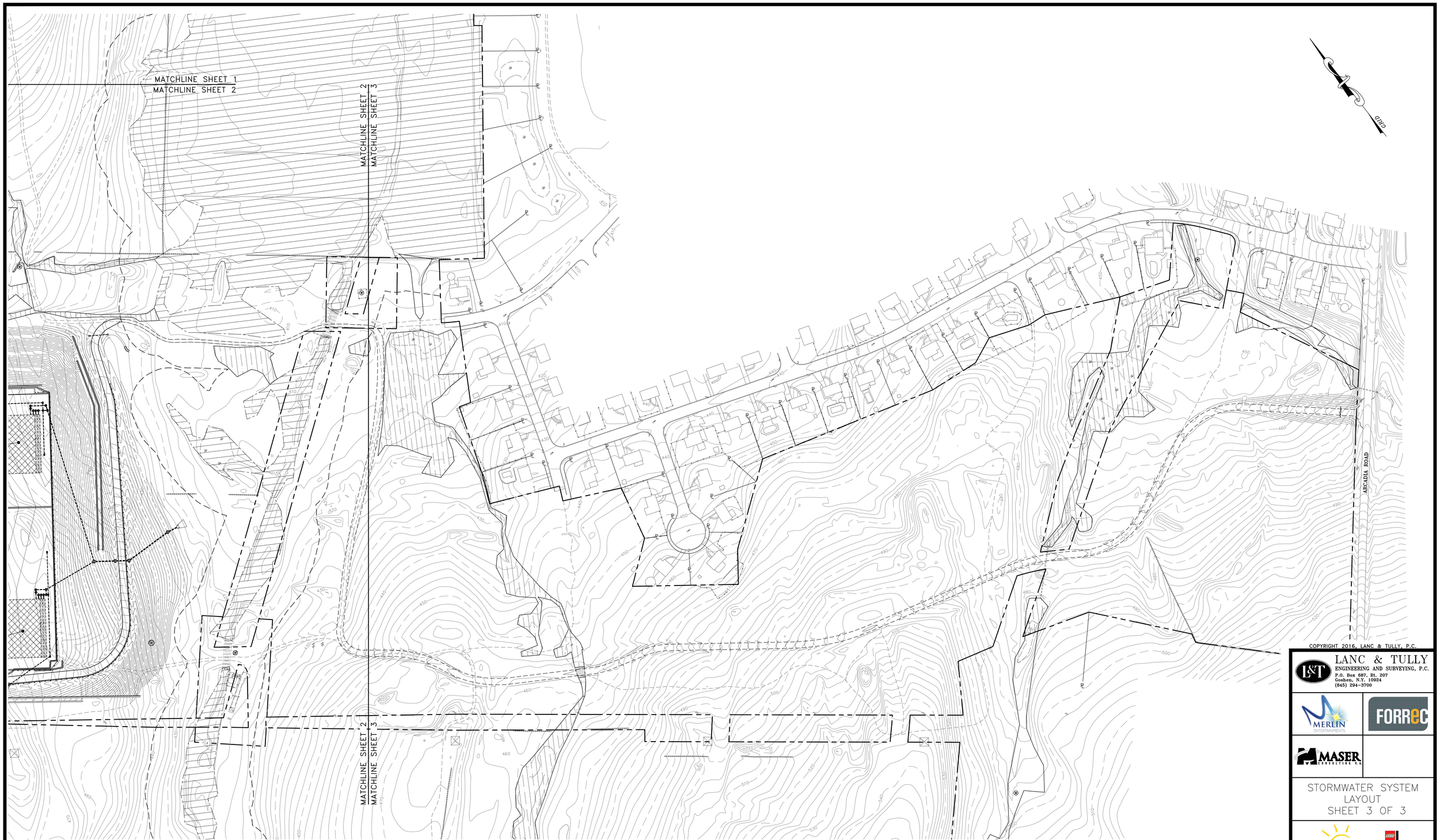
Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-Stormwater Layout
Layout:	SW 2
Drawn By: ESR	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.:	SEE SHEET 2
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 19 OF 43

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.



COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS

FORREC

MASER CONSULTING P.A.

STORMWATER SYSTEM LAYOUT
SHEET 3 OF 3

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-STORMWATER LAYOUT	
Layout: SW 3	
Drawn By: ESR	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 20 OF 43	

LEGEND

- PROPOSED DRY SWALE
- PROPOSED BIO-RETENTION AREA
- PROPOSED UNDERGROUND STORMWATER AREA
- PROPOSED STORMWATER POND
- PROPOSED POROUS PAVERS
- STORMWATER PRACTICE CONTRIBUTING AREA

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- 590 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- 590 — PROPOSED MAJOR CONTOUR
- 588 — PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

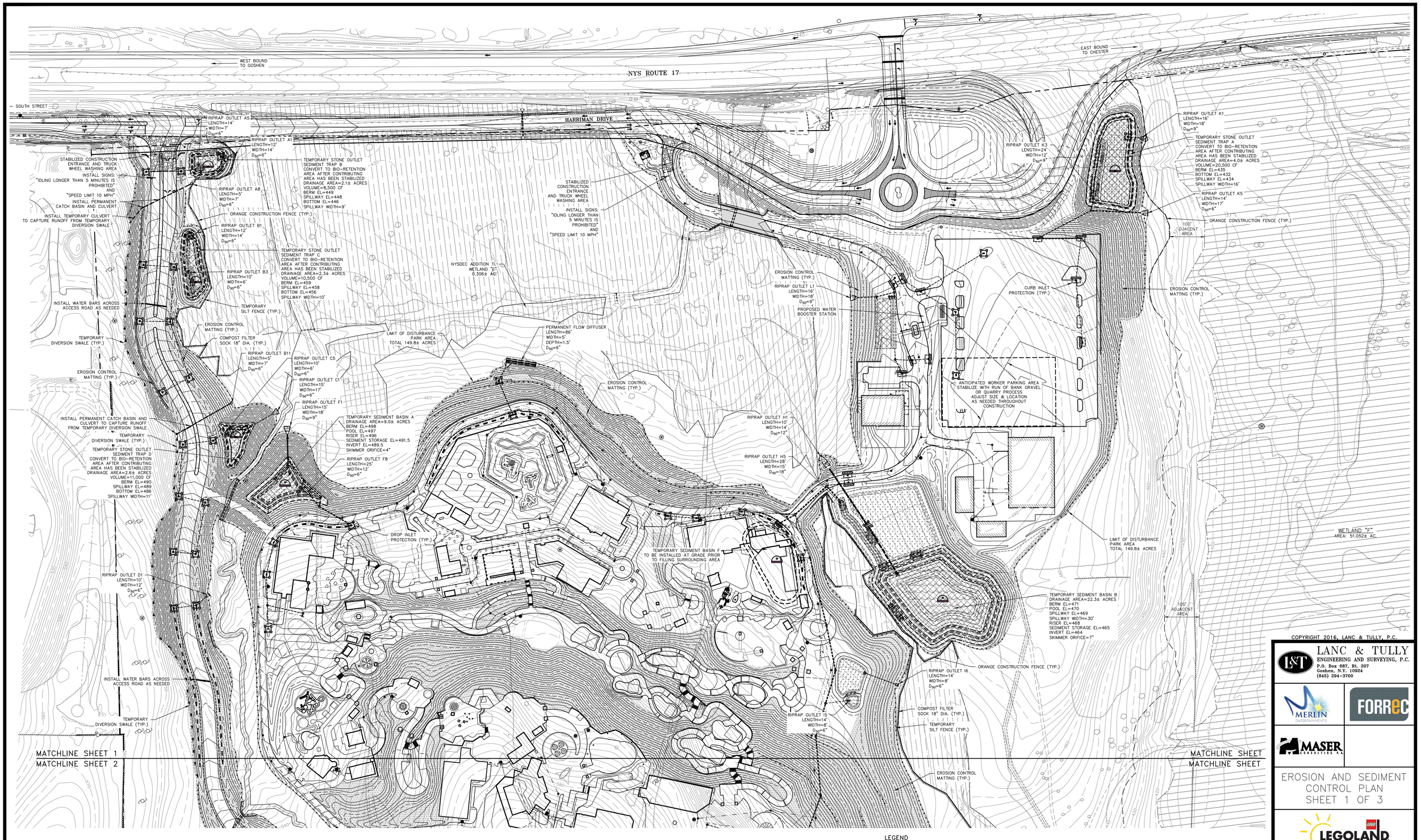
GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.



GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

NOTES:

1. ALL CATCH BASINS TO RECEIVE TEMPORARY INLET PROTECTION.
2. COMPOST FILTER SOCK TO BE PLACED AS SHOWN ON THIS PLAN AND AS DIRECTED BY THE PROJECT ENGINEER.

LEGEND

- PROPOSED LIMIT OF SOIL DISTURBANCE
- PROPOSED TEMPORARY SILTATION FENCE
- TEMPORARY SWALE
- PROPOSED TEMPORARY CATCH BASIN INLET PROTECTION
- PROPOSED TEMPORARY SEDIMENT TRAP
- PROPOSED TEMPORARY SEDIMENT BASIN
- PROPOSED CHECK DAM
- PROPOSED SLOPE STABILIZATION MATTING
- PROPOSED TEMPORARY LEVEL SPREADER
- TEMPORARY ORANGE CONSTRUCTION FENCE
- TEMPORARY COMPOST FILTER SOCK

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- EXISTING MAJOR CONTOUR (590)
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR
- WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- PROPOSED MAJOR CONTOUR (590)
- PROPOSED MINOR CONTOUR (588)
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

GRID

NOTICE
IDLING LONGER THAN 5 MINUTES IS PROHIBITED

NO IDLING SIGN
NOT TO SCALE

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERPRISES
FORREC
MASER CONSULTING P.A.

EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 3

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-Erosion
Layout:	EROSION 1
Drawn By: EGR	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.:	SEE SHEET 2
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 21 OF 43

ROCK CRUSHING NOTE:
ANY ROCK CRUSHING OPERATIONS SHALL BE A MINIMUM OF 2,400 FEET FROM ANY RESIDENTIAL HOUSE AND 1,500 FEET FROM GLEN ARDEN.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

NOTES:
1. ALL CATCH BASINS TO RECEIVE TEMPORARY INLET PROTECTION.
2. COMPOST FILTER SOCK TO BE PLACED AS SHOWN ON THIS PLAN AND AS DIRECTED BY THE PROJECT ENGINEER.

LEGEND

- PROPOSED LIMIT OF SOIL DISTURBANCE
- PROPOSED TEMPORARY SILTATION FENCE
- TEMPORARY SWALE
- PROPOSED TEMPORARY CATCH BASIN INLET PROTECTION
- PROPOSED TEMPORARY SEDIMENT TRAP
- PROPOSED TEMPORARY SEDIMENT BASIN
- PROPOSED CHECK DAM
- PROPOSED SLOPE STABILIZATION MATTING
- PROPOSED TEMPORARY LEVEL SPREADER
- TEMPORARY ORANGE CONSTRUCTION FENCE
- TEMPORARY COMPOST FILTER SOCK

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- EXISTING MAJOR CONTOUR (590)
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- PROPOSED MAJOR CONTOUR (590)
- PROPOSED MINOR CONTOUR (588)
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

GRID

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

Dig Safely. New York
Call 811
before you dig

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS
FORREC
MASER CONSULTING P.A.

EROSION AND SEDIMENT CONTROL PLAN
SHEET 2 OF 3

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

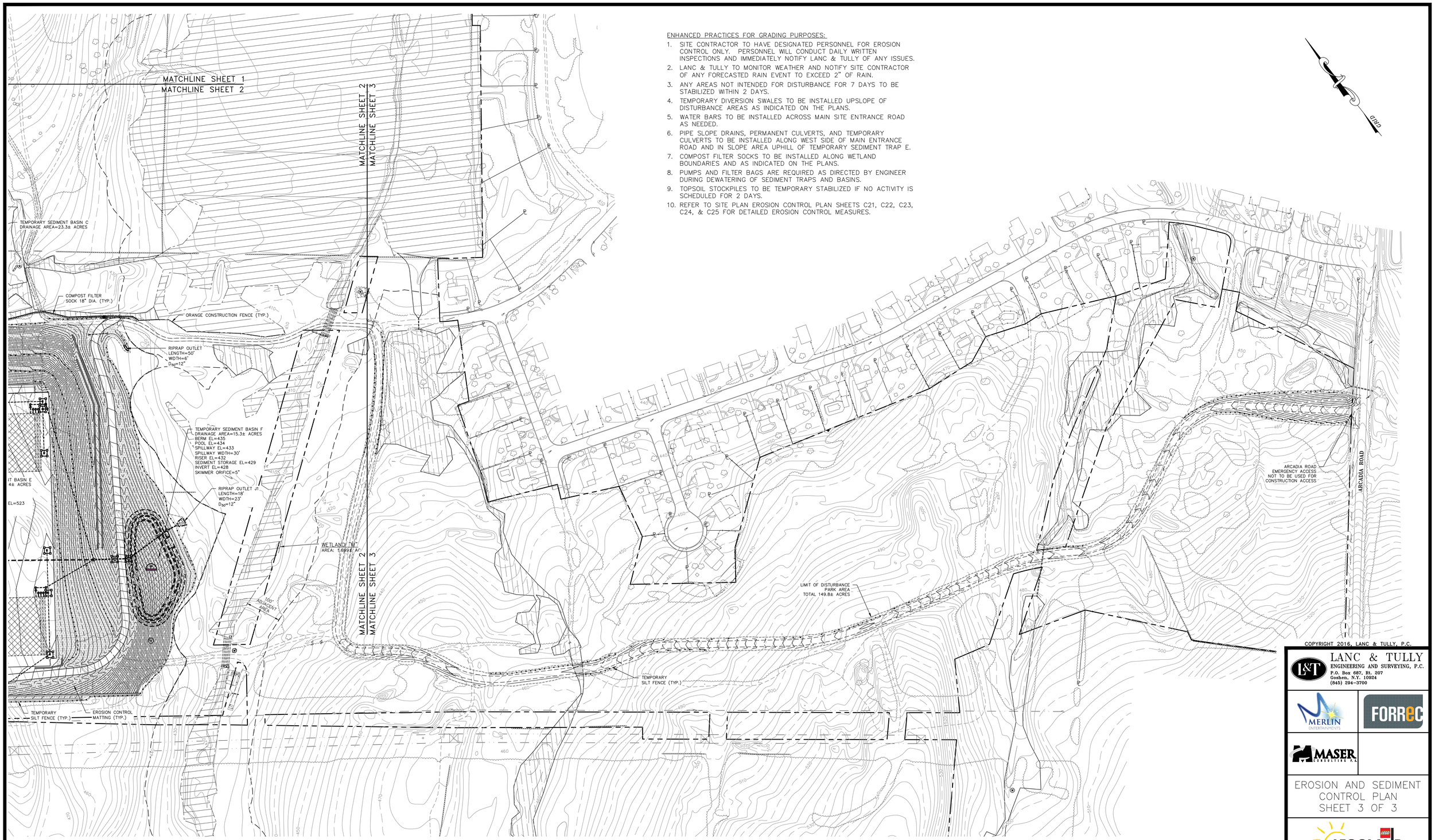
Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-Erosion
Layout:	EROSION 2
Drawn By: ESR	Checked By: JOR
Scale: 1" = 100'	Project No.: 16-0042
Tax Map No.:	SEE SHEET 2
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 22 OF 43

ENHANCED PRACTICES FOR GRADING PURPOSES:

1. SITE CONTRACTOR TO HAVE DESIGNATED PERSONNEL FOR EROSION CONTROL ONLY. PERSONNEL WILL CONDUCT DAILY WRITTEN INSPECTIONS AND IMMEDIATELY NOTIFY LANC & TULLY OF ANY ISSUES.
2. LANC & TULLY TO MONITOR WEATHER AND NOTIFY SITE CONTRACTOR OF ANY FORECASTED RAIN EVENT TO EXCEED 2" OF RAIN.
3. ANY AREAS NOT INTENDED FOR DISTURBANCE FOR 7 DAYS TO BE STABILIZED WITHIN 2 DAYS.
4. TEMPORARY DIVERSION SWALES TO BE INSTALLED UPSLOPE OF DISTURBANCE AREAS AS INDICATED ON THE PLANS.
5. WATER BARS TO BE INSTALLED ACROSS MAIN SITE ENTRANCE ROAD AS NEEDED.
6. PIPE SLOPE DRAINS, PERMANENT CULVERTS, AND TEMPORARY CULVERTS TO BE INSTALLED ALONG WEST SIDE OF MAIN ENTRANCE ROAD AND IN SLOPE AREA UPHILL OF TEMPORARY SEDIMENT TRAP E.
7. COMPOST FILTER SOCKS TO BE INSTALLED ALONG WETLAND BOUNDARIES AND AS INDICATED ON THE PLANS.
8. PUMPS AND FILTER BAGS ARE REQUIRED AS DIRECTED BY ENGINEER DURING DEWATERING OF SEDIMENT TRAPS AND BASINS.
9. TOPSOIL STOCKPILES TO BE TEMPORARY STABILIZED IF NO ACTIVITY IS SCHEDULED FOR 2 DAYS.
10. REFER TO SITE PLAN EROSION CONTROL PLAN SHEETS C21, C22, C23, C24, & C25 FOR DETAILED EROSION CONTROL MEASURES.



COPYRIGHT 2016, LANC & TULLY, P.C.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

NOTES:

1. ALL CATCH BASINS TO RECEIVE TEMPORARY INLET PROTECTION.
2. COMPOST FILTER SOCK TO BE PLACED AS SHOWN ON THIS PLAN AND AS DIRECTED BY THE PROJECT ENGINEER.

LEGEND

- PROPOSED LIMIT OF SOIL DISTURBANCE
- PROPOSED TEMPORARY SILTATION FENCE
- TEMPORARY SWALE
- PROPOSED TEMPORARY CATCH BASIN INLET PROTECTION
- PROPOSED TEMPORARY SEDIMENT TRAP
- PROPOSED TEMPORARY SEDIMENT BASIN
- PROPOSED CHECK DAM
- PROPOSED SLOPE STABILIZATION MATTING
- PROPOSED TEMPORARY LEVEL SPREADER
- TEMPORARY ORANGE CONSTRUCTION FENCE
- TEMPORARY COMPOST FILTER SOCK

LEGEND

- PROPERTY LINE
- ADJOINING PARCEL LINES
- 590 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EASEMENT
- EXISTING WATERCOURSE
- EXISTING FEDERAL WETLAND BOUNDARY
- EXISTING NYS WETLAND BOUNDARY
- STREAM CORRIDOR AND RESERVOIR WATERSHED OVERLAY ZONING DISTRICT LIMIT
- FLOODPLAIN AND PONDING AREA OVERLAY
- 590 PROPOSED MAJOR CONTOUR
- 588 PROPOSED MINOR CONTOUR
- PROPOSED EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE
- PROPOSED SWALE
- PROPOSED SANITARY SEWER
- PROPOSED WATER MAIN
- PROPOSED HYDRANT/VALVE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED FLAT INLET CATCH BASINS
- PROPOSED CURB INLET CATCH BASIN

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

Dig Safely. New York
Call 811
before you dig

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERPRISES

FORREC

MASER CONSULTING P.A.

EROSION AND SEDIMENT CONTROL PLAN SHEET 3 OF 3

LEGOLAND NEW YORK

TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-Erosion
Layout: EROSION 3
Drawn By: ESR
Checked By: JOR
Scale: 1" = 100'
Project No.: 16-0042
Tax Map No.: SEE SHEET 2
Date: JULY 21, 2016
Sheet/Drawing No.: C 23 OF 43

EROSION AND SEDIMENT CONTROL NOTES AND SPECIFICATIONS

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
4. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
5. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
6. 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.
7. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
8. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
9. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
11. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
12. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
14. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.
15. SEED ALL DISTURBED AREAS WHICH WILL REMAIN UNDISTURBED FOR A PERIOD OF 15 DAYS OR MORE AND WHICH WILL NOT BE UNDER CONSTRUCTION WITHIN 30 DAYS WITH TEMPORARY RYEGRASS COVER, AS FOLLOWS (METHOD OF SEEDING IS OPTIONAL):
    - A. LOOSEN SEEDBED BY DISCING TO A 4" DEPTH.
    - B. SEED WITH SUMMER – PERENNIAL OR ANNUAL RYEGRASS AT 30 LBS PER ACRE
      FALL/WINTER – AROOSTOOK WINTER RYE AT 100 LBS PER ACRE
    - C. MULCH WITH 2 TONS PER ACRE OF BLOWN AND CHOPPED HAY.
    - D. WHERE NOTED ON THE PLAN, AND ON SLOPES GREATER THAN OR EQUAL TO 3:1, PROVIDE SOIL STABILIZATION MATTING.
16. AFTER COMPLETION OF SITE CONSTRUCTION, FINE GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED WITH PERMANENT LAWN MIX AS FOLLOWS (SEE LANDSCAPE PLAN FOR OTHER PLANTING INFORMATION):
    - A. LIME TOPSOIL TO pH 6.0.
    - B. FERTILIZE WITH 600 LBS PER ACRE OF 5-10-10.
    - C. SEED REQUIREMENTS – SEE LANDSCAPING PLAN.
    - D. MULCH AS DESCRIBED FOR TEMPORARY SEEDING (NOTE 15C ABOVE).
17. DURING THE PROGRESS OF CONSTRUCTION, AND ESPECIALLY AFTER RAIN EVENTS, MAINTAIN ALL SEDIMENT TRAPS, BARRIERS, AND FILTERS AS NECESSARY TO PREVENT THEIR BEING CLOGGED WITH SEDIMENT. RE-STABILIZE ANY AREAS THAT MAY HAVE ERODED.
18. MAINTAIN ALL SEEDED AND PLANTED AREAS TO INSURE A VIABLE STABILIZED VEGETATIVE COVER.
19. PESTICIDES, INSECTICIDES, AND HERBICIDES MAY ONLY BE UTILIZED WITHIN THE LIMITS OF DISTURBANCE.
20. MAINTAIN COPIES OF THE CONSTRUCTION LOGBOOK, STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTICE OF INTENT (NOI), PERMITS, AND SITE PLANS ON-SITE AT ALL TIMES DURING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL NOTES

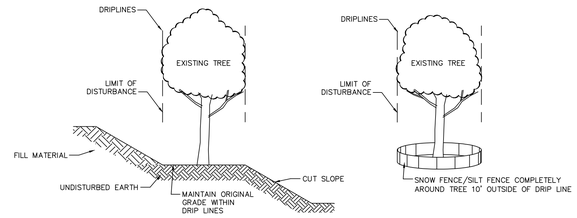
1. THE OWNER OR OPERATOR SHALL HAVE A QUALIFIED INSPECTOR CONDUCT AT LEAST TWO (2) SITE INSPECTIONS IN ACCORDANCE WITH PART IV.C EVERY SEVEN (7) CALENDAR DAYS, FOR AS LONG AS GREATER THAN FIVE (5) ACRES OF SOIL REMAIN DISTURBED. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.
2. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS BEEN TEMPORARILY OR PERMANENTLY CEASED, TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES SHALL BE INSTALLED AND/OR IMPLEMENTED WITHIN SEVEN (7) DAYS FROM THE DATE OF SOIL DISTURBANCE ACTIVITY CEASED.
3. TEMPORARY STABILIZATION MEANS THAT EXPOSED SOIL HAS BEEN COVERED WITH MATERIALS AS SET FORTH IN THE TECHNICAL STANDARD, NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, TO PREVENT THE EXPOSED SOIL FROM ERODING. THE MATERIALS CAN INCLUDE, BUT ARE NOT LIMITED TO, MULCH, SEED AND MULCH, AND EROSION CONTROL MATS (E.G. JUTE TWISTED YARN, EXCELSIOR WOOD FIBER MATS).
4. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBANCE ACTIVITIES HAVE CEASED AND A UNIFORM, PERENNIAL VEGETATIVE COVER WITH A DENSITY OF EIGHTY (80) PERCENT OVER THE ENTIRE PERVIOUS SURFACE HAS BEEN ESTABLISHED; OR OTHER EQUIVALENT STABILIZATION MEASURES, SUCH AS PERMANENT LANDSCAPE MULCHES, ROCK RIP-RAP OR WASHED/CRUSHED STONE HAVE BEEN APPLIED ON ALL DISTURBED AREAS THAT ARE NOT COVERED BY PERMANENT STRUCTURES, CONCRETE OR PAVEMENT.

CONSTRUCTION SEQUENCE

1. PRE-CONSTRUCTION MEETING: BEFORE CONSTRUCTION ACTIVITIES AN EVALUATION OF THE SITE WILL BE PERFORMED WITH THE SITE CONTRACTOR, TOWN PERSONNEL AND SITE DESIGN ENGINEER TO DISCUSS GENERAL CONSTRUCTION PROCEDURES AND SEQUENCING. DURING THIS MEETING SENSITIVE AREAS OF THE PROPERTY SHALL BE DELINEATED AND MARKED-OUT WITH ORANGE CONSTRUCTION FENCE (I.E.: TREES, WETLANDS, WELLS, ETC.).
2. DELINEATE TOTAL SITE DISTURBANCE LIMITS: PLACEMENT OF ORANGE CONSTRUCTION FENCING ALONG THE LIMIT OF DISTURBANCE THROUGHOUT THE SITE.
3. PROTECT EXISTING BUFFERS: PLACE EROSION CONTROL DEVICES (SILT FENCING, DIVERSION BERMS, ETC.) UPSTREAM OF ANY EXISTING WATERCOURSE WITHIN OR OUTSIDE OF CONSTRUCTION AREAS, PRIOR TO THE START OF ANY CONSTRUCTION.
4. CONSTRUCTION ENTRANCES/SILTATION CONTROLS: TEMPORARY CONSTRUCTION ENTRANCES WILL BE INSTALLED AT THE ENTRANCES TO THE SITE ON HARRIMAN DRIVE AS SHOWN. DURING WET WEATHER, IT MAY NECESSARY TO WASH VEHICLE TIRES AT THIS LOCATION. THEREFORE, THIS ENTRANCE IS TO BE GRADED SO THAT RUNOFF IS DIRECTED TO THE ADJACENT SEDIMENT TRAP. IN ADDITION, ANY OTHER SILTATION CONTROL DEVICES, AS SHOWN ARE TO BE INSTALLED ADJACENT TO THE TEMPORARY ENTRANCE AND STAGING AREA.
5. CONSTRUCTION OF TEMPORARY SEDIMENT BASINS: CONSTRUCTION OF THE TEMPORARY SEDIMENT BASINS PRIOR TO THE START OF ANY MAJOR EARTHWORK MOVEMENT OR SITE CONSTRUCTION.
6. CONSTRUCTION OF TEMPORARY DIVERSION SWALES: THE INSTALLATION OF TEMPORARY DIVERSION SWALES TO CONVEY STORMWATER AROUND THE CONSTRUCTION AREA.
7. STAGING AREA: THE STAGING AREA WILL BE GRADED FOR STORAGE OF EQUIPMENT AND PLACEMENT OF CONSTRUCTION TRAILERS.
8. STRIP TOPSOIL: TOPSOIL WILL BE STRIPPED FROM THE ACTIVE WORK AREAS AND WILL BE STOCKPILED FOR LATER REUSE.
9. LAND GRADING: BULK SOIL GRADING WILL COMMENCE, SOIL TO BE MOVED FROM THE WESTERN SIDE OF THE PROJECT AREA AND PLACED IN THE FILL AREA ALONG THE EAST SIDE OF THE PROJECT AREA. AT THIS TIME, TEMPORARY STOCKPILE AREAS SHOULD BE UTILIZED. THE PRODUCTION FACILITY PAD AREA WILL BE GRADED.
10. BUILDING FOUNDATION CONSTRUCTION: UPON COMPLETION OF GRADING IN BUILDING FOOTPRINT AREA, BUILDING FOUNDATION CONSTRUCTION FOR THE PRODUCTION FACILITY BUILDING WILL COMMENCE.
11. UTILITY INSTALLATION: INSTALL WATER, SEWER, AND STORMWATER THROUGHOUT THE PROJECT. INLET PROTECTION WILL BE INSTALLED AT ALL STORMWATER CATCH BASINS.
12. PAVEMENT CONSTRUCTION: CONSTRUCT PAVED AREAS AND CONCRETE PARKING AREAS.
13. STORMWATER INSTALLATION: INSTALL POROUS PAVEMENT AREAS WHEN ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED. CONVERT TEMPORARY SEDIMENT BASINS TO BIO-RETENTION AREAS WHEN ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED. RIPRAP OUTLET PROTECTION AREAS WILL BE INSTALLED.
14. EROSION CONTROL PRACTICE REMOVAL: REMOVE ANY REMAINING EROSION CONTROL PRACTICES INCLUDING INLET PROTECTION, AND TEMPORARY DIVERSIONS SWALES WHEN AREAS HAVE BEEN TEMPORARILY STABILIZED.
15. LANDSCAPING AND FINAL STABILIZATION: ALL OPEN AREAS TO BE STABILIZED WITH TOPSOIL AND SEEDED AS PER THE SEEDING SCHEDULE SPECIFIED ON THE EROSION AND SEDIMENT CONTROL PLANS. REMOVAL OF ALL TEMPORARY MEASURES, FLUSHING/CLEANING OF ALL CATCH BASINS AND PIPE, AND REMOVAL AND DISPOSAL OF ALL TRAPPED SEDIMENT ON SITE SHALL BE COMPLETED.
16. FINAL SITE INSPECTION AND CERTIFICATION: AT THE END OF CONSTRUCTION A SITE EVALUATION OF THE SITE WILL BE PERFORMED WITH SITE CONTRACTOR, TOWN PERSONNEL, AND SITE ENGINEER TO ENSURE THAT ALL STORMWATER FACILITIES WERE CONSTRUCTED AS PER THE SWPPP DESIGN AND THAT THE SITE HAS BEEN STABILIZED. A NOTICE OF TERMINATION WILL BE SUBMITTED TO THE NYSDEC.

SOIL RESTORATION REQUIREMENTS

1. ALL DISTURBED AREAS WHERE ONLY TOPSOIL STRIPPING HAS OCCURRED REQUIRE AERATION OF THE SUBGRADE BEFORE SPREADING TOPSOIL.
2. ALL DISTURBED AREAS WHERE CUT AND FILL OPERATIONS OCCURRED REQUIRE FULL SOIL RESTORATION AS SPECIFIED IN NYSDEC MANUAL PUBLICATION ENTITLED "DEEP RIPPING AND DE-COMPACTION."



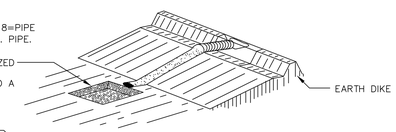
NOTES:

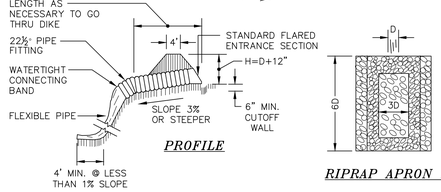
1. FOR TREES ADJACENT TO CONSTRUCTION AREA INSTALL PROTECTIVE FENCING AROUND DRIPLINE OF TREES TO PROTECT SHALLOW ROOTS.
2. WHERE TWO OR MORE TREES ARE ADJACENT TO EACH OTHER AND IN THE VICINITY OF THE LIMIT OF DISTURBANCE, THE FENCING SHALL BE PLACED 10 FEET FROM THE DRIPLINE OF THE GROUP OF TREES AND NEED NOT BE PLACED AROUND EACH INDIVIDUAL TREE.
3. TREES MARKED WITH AN ASTERISK ON THE TREE LIST TABLE ARE TO BE REMOVED AND DO NOT REQUIRE TREE PROTECTION.

EXISTING TREE PROTECTION DETAIL

NOT TO SCALE

NOTE:
SIZE DESIGNATION IS:
PSD-PIPE DIA. (EX., PSD-18=PIPE SLOPE DRAIN WITH 18"DIAM. PIPE.





RIPRAP SHALL CONSIST OF 6" DIAMETER STONE PLACED AS SHOWN, DEPTH OF APRON SHALL EQUAL THE PIPE DIAMETER AND RIPRAP SHALL BE A MINIMUM OF 12"IN THICKNESS.

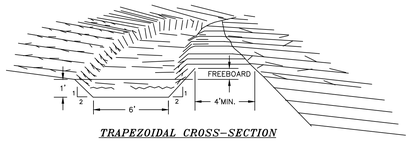
CONSTRUCTION SPECIFICATIONS

1. THE INLET PIPE SHALL HAVE A SLOPE OF 3% OR STEEPER.
2. THE TOP OF THE EARTH DIKE OVER THE INLET PIPE AND THOSE DIKES CARRYING WATER TO THE PIPE SHALL BE AT LEAST 1' HIGHER AT ALL POINTS THAN THE TOP OF THE INLET PIPE.
3. THE INLET PIPE SHALL BE CORRUGATED METAL PIPE WITH WATERTIGHT CONNECTING BANDS.
4. THE FLEXIBLE TUBING SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF A DURABLE MATERIAL WITH HOLD-DOWN GROMMETS SPACED AT 10' ON CENTER.
5. THE FLEXIBLE TUBING SHALL BE SECURELY FASTENED TO THE CORRUGATED METAL PIPE WITH METAL STRAPPING OR WATERTIGHT CONNECTING COLLARS.
6. THE FLEXIBLE TUBING SHALL BE SECURELY ANCHORED TO THE SLOPE BY STAKING AT THE GROMMETS PROVIDED.
7. A RIPRAP APRON SHALL BE PROVIDED AT THE OUTLET. THIS SHALL CONSIST OF 6" DIAMETER STONE PLACED AS SHOWN.
8. THE SOIL AROUND AND UNDER INLET PIPE AND ENTRANCE SECTION SHALL BE HAND TAMPED IN 4" LIFTS TO THE TOP OF EARTH DIKE.
9. FOLLOW-UP INSPECTION AND ANY NEEDED MAINTENANCE SHALL BE PERFORMED AFTER EACH STORM.

* DRAINAGE AREA MUST NOT EXCEED 5 ACRES.

PIPE SLOPE DRAIN FLEXIBLE DETAIL

NOT TO SCALE



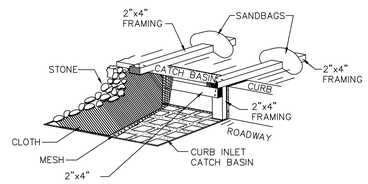
TRAPEZOIDAL CROSS-SECTION

CONSTRUCTION SPECIFICATIONS

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE DIVERSION.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE STOCKPILED FOR RESTORATION OF THE AREA SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
5. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
    - A. FOR DESIGN VELOCITIES OF MORE THAN 3.5 FT. PER. SEC., THE DIVERSION SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED.

TEMPORARY DIVERSION SWALE

NOT TO SCALE



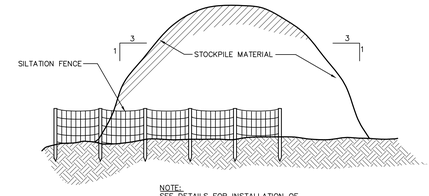
CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2"x4" CONSTRUCTION GRADE LUMBER.
3. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2"x4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE CURB AND SIDEWALK AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE

STORM DRAIN INLET FILTER DETAIL FOR CURB INLETS

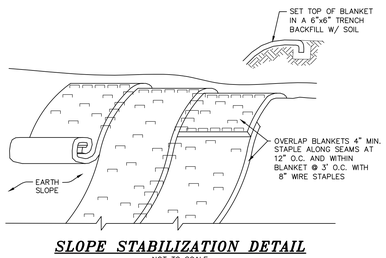
NOT TO SCALE



NOTE:
SEE DETAILS FOR INSTALLATION OF SILTATION FENCE

TYPICAL STOCKPILE DETAIL

NOT TO SCALE

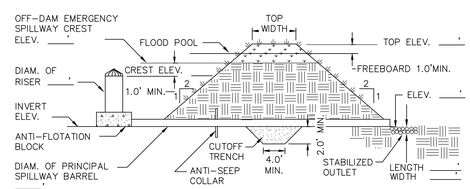


SLOPE STABILIZATION DETAIL

NOT TO SCALE

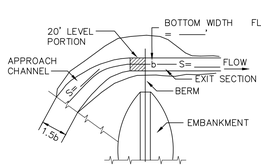
NOTES:

1. SLOPE STABILIZATION TO BE USED ON ALL CREATED OR DISTURBED SLOPES GREATER THAN 33% AND WHERE SPECIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN.
2. STABILIZE PREPARED EARTHEN SLOPE WITH A BIODEGRADABLE NATURAL FIBER NETTING. APPROVED TYPES AS FOLLOWS:
   - S150BN – NORTH AMERICAN GREEN 1-800-772-2040
   - ECS-2B – EAST COAST EROSION BLANKET 1-800-582-4005
   - APPROVED EQUAL
3. ALL SLOPE RESTORATION MUST INCLUDE 4" TOPSOIL.
4. PREPARE THE SOIL SURFACE INCLUDING RAKING, SEEDING AND FERTILIZING PRIOR TO INSTALLING EROSION CONTROL NETTING.
5. AFTER NETTING IS INSTALLED, PLANT ANY PROPOSED LANDSCAPING/GROUND COVER THROUGH SLITS CUT IN FABRIC.

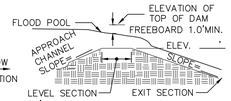


PRINCIPAL SPILLWAY PROFILE

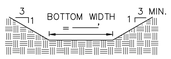
MAXIMUM DRAINAGE AREA = 100 ACRES



EMERGENCY SPILLWAY PLAN VIEW



PROFILE ALONG ℄ OF SPILLWAY



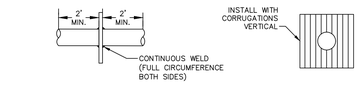
CROSS SECTION AT CONTROL SECTION

SEDIMENT BASIN DETAILS

NOT TO SCALE

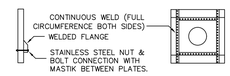
NOTES:

1. ELEVATIONS AND DIMENSIONS FOR EACH SEDIMENT BASIN ARE PROVIDED ON THE EROSION AND AND SEDIMENT CONTROL PLANS.
2. REFER TO THE PROJECT SWPPP FOR DETAILED DESIGN INFORMATION.

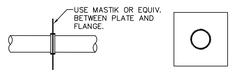


COLLAR WELDED IN PLACE BARREL SECTION

1. PLATES TO BE PRE-CUT CLAMPED TOGETHER & PRE-DRILLED & LABELED TO FACILITATE WATER TIGHT FIELD ASSEMBLY.



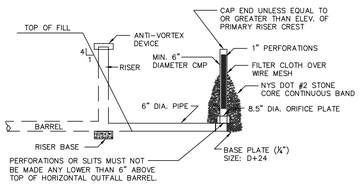
MULTI-PIECE COLLAR FOR LARGE PIPES



COLLAR FOR FLANGE JOINT PIPE

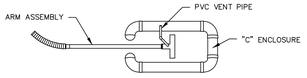
TYPICAL ANTI-SEEP COLLARS

NOT TO SCALE

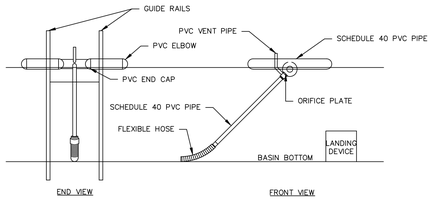


SEDIMENT BASIN DEWATERING DEVICE

NOT TO SCALE

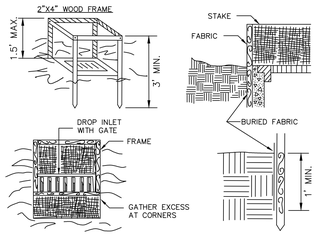


PERSPECTIVE VIEW



SEDIMENT POND SKIMMER DEWATERING DEVICE DETAIL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE

FILTER FABRIC DROP INLET PROTECTION

NOT TO SCALE

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS
FORREC
MASER CONSULTING P.A.

EROSION AND SEDIMENT CONTROL DETAILS 1

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

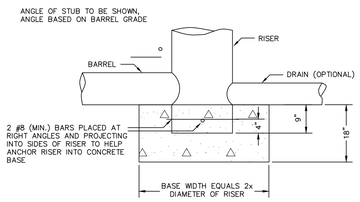
No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File:	160042-CONST DETAILS
Layout:	EROSION DTLS 1
Drawn By: ESR	Checked By: JOR
Scale: N/A	Project No.: 16-0042
Tax Map No.:	SEE SHEET 2
Date:	JULY 21, 2016
Sheet/Drawing No.:	C 24A OF 43

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

Dig Safely. New York Call 811 before you dig



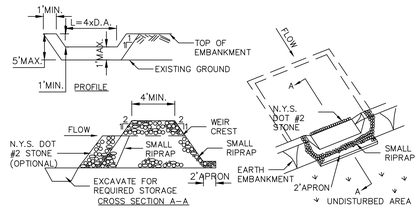
CONSTRUCTION SPECIFICATIONS

NOTES:

1. THE CONCRETE BASE SHALL BE POURED IN SUCH A MANNER TO INSURE THAT THE CONCRETE FILLS THE BOTTOM OF THE RISER TO THE INVERT OF THE OUTLET PIPE TO PREVENT THE RISER FROM BREAKING AWAY FROM THE BASE.
2. WITH ALUMINUM OR ALUMINIZED PIPE, THE EMBEDDED SECTION MUST BE PAINTED WITH CHROMATE OR EQUIVALENT.
3. RISER BASE MAY BE SIZED AS COMPUTED USING FLOATATION WITH A FACTOR OF SAFETY OF 1.2.

RISER BASE DETAIL
SEDIMENT BASIN DETAIL

NOT TO SCALE



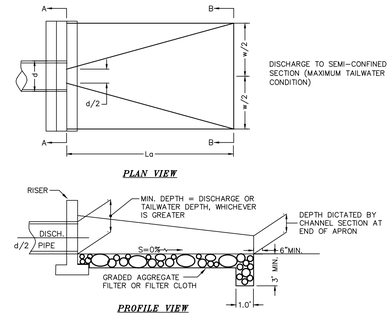
OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INPLACE OF THE EMBEDDED FILTER CLOTH.

CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER–SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"–8" ALONG WITH A 1' THICKNESS OF 2" AGGREGATE PLACED ON THE UP–GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
9. MAXIMUM DRAINAGE AREA 5 ACRES.

STONE OUTLET SEDIMENT TRAP

NOT TO SCALE

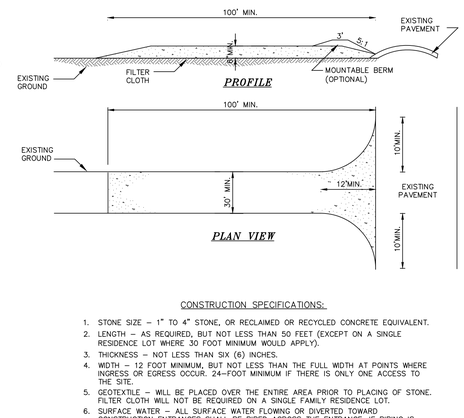


NOTE:
SEE RIPRAP STANDARDS AND SPECIFICATIONS
MAXIMUM TAILWATER CONDITIONS

RIP RAP OUTLET PROTECTION

NOT TO SCALE

NOTE:
DIMENSIONS FOR EACH RIP RAP OUTLET ARE PROVIDED ON THE EROSION AND AND SEDIMENT CONTROL PLANS.

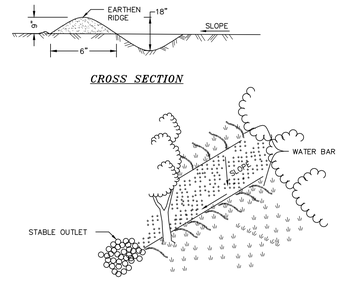


CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE – 1" TO 4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE 30 FOOT MINIMUM WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR. 24–FOOT MINIMUM IF THERE IS ONLY ONE ACCESS TO THE SITE.
5. GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEN WHEEL WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

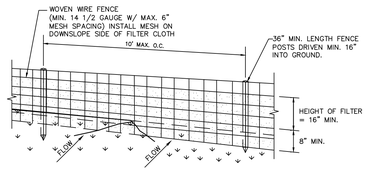


CONSTRUCTION SPECIFICATIONS

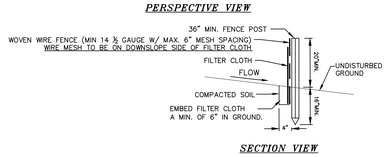
1. INSTALL THE WATER BAR AS SOON AS THE RIGHT OF WAY IS CLEARED AND GRADED.
2. DISK OR STRIP THE SOD FROM THE BASE FOR THE CONSTRUCTED RIDGE BEFORE PLACING FILL.
3. TRACK THE RIDGE TO COMPACT IT TO THE DESIGN CROSS SECTION.
4. THE OUTLET SHALL BE LOCATED ON AN UNDISTURBED AREA. FIELD SPACING WILL BE ADJUSTED TO USE THE MOST STABLE OUTLET AREAS. OUTLET PROTECTION WILL BE PROVIDED WHEN NATURAL AREAS ARE NOT ADEQUATE.
5. VEHICLE CROSSING SHALL BE STABILIZED WITH GRAVEL. EXPOSED AREAS SHALL BE IMMEDIATELY SEEDED AND MULCHED.
6. PERIODICALLY INSPECT WATER BARS FOR EROSION DAMAGE AND SEDIMENT. CHECK OUTLET AREAS AND MAKE REPAIRS AS NEEDED TO RESTORE OPERATION.

WATER BARS DETAIL

NOT TO SCALE



PERSPECTIVE VIEW



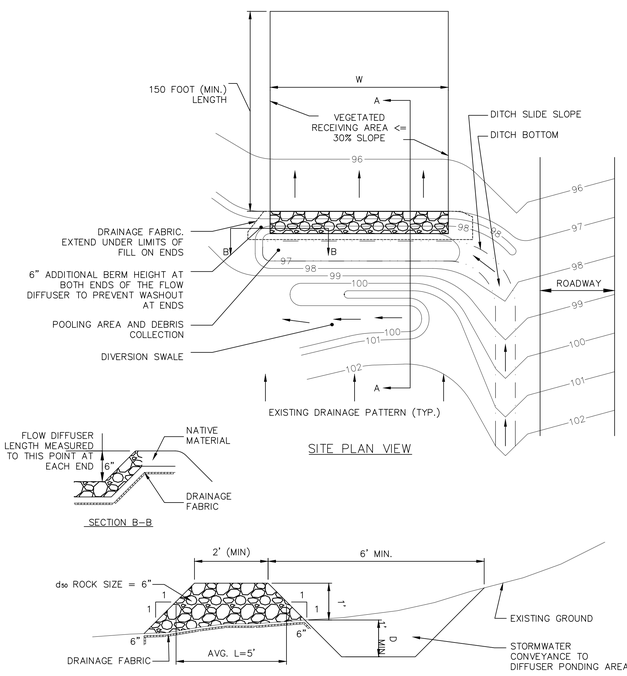
SECTION VIEW

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER–LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

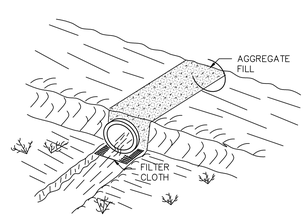
SILTATION FENCE

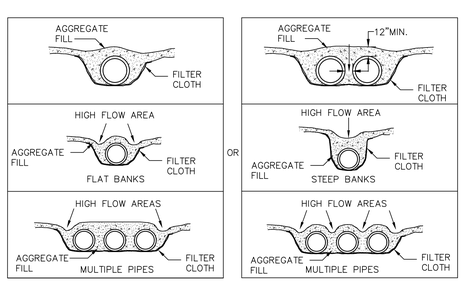
NOT TO SCALE



FLOW DIFFUSER DETAIL

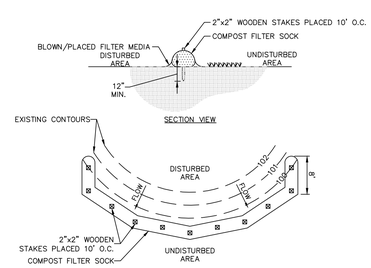
NOT TO SCALE





TEMPORARY ACCESS CULVERT DETAIL

NOT TO SCALE



PLAN VIEW

1. SOCK FABRIC SHALL MEET STANDARDS OF TABLE 5.1. COMPOST SHALL MEET THE STANDARDS LISTED ON OF TABLE 5.2.
2. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT (FIGURE 5.2). MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON FIGURE X.X. STAKES MAY BE INSTALLED IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO SPECIFIED BY THE MANUFACTURER.
3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
4. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVEGROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
5. 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.
6. BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
7. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCKS, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK DETAIL

NOT TO SCALE

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209–2 OF THE NEW YORK STATE EDUCATION LAW.

Dig Safely. New York Call 811 before you dig

COPYRIGHT 2016, LANC & TULLY, P.C.

L&T
LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS
FORREC
MASER CONSULTING P.A.

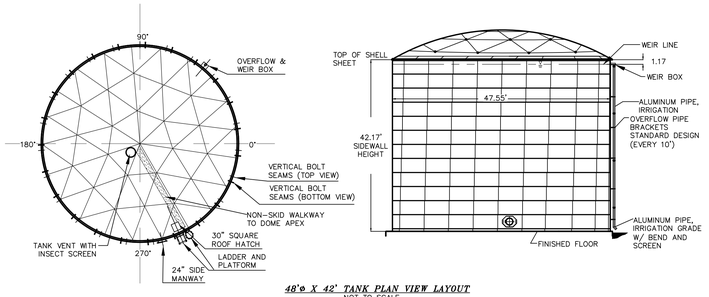
EROSION AND SEDIMENT CONTROL DETAILS 2

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

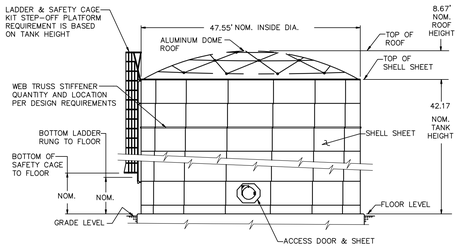
Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

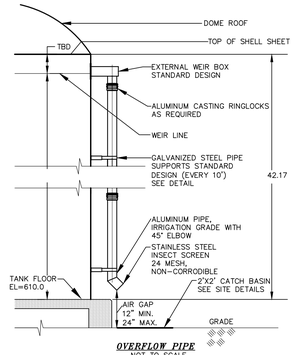
CAD File: 160042–CONST DETAILS	
Layout: EROSION DTLS 2	
Drawn By: ESR	Checked By: JOR
Scale: N/A	Project No.: 16–0042
Tax Map No.: SEE SHEET 2	
Date: JULY 21, 2016	
Sheet/Drawing No.: C 24B OF 43	



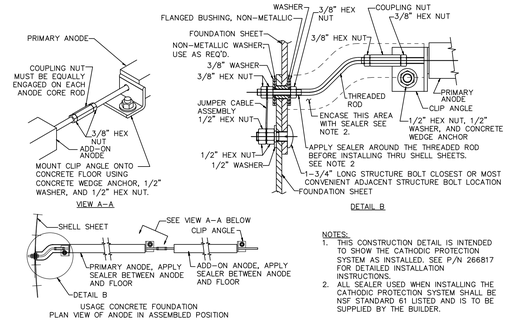
48'ø X 42' TANK PLAN VIEW LAYOUT
NOT TO SCALE



WATER TANK WITH CONCRETE FOUNDATION
NOT TO SCALE

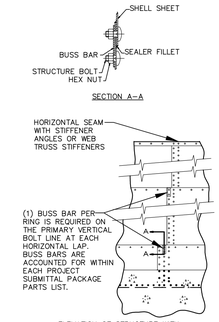


OVERFLOW PIPE
NOT TO SCALE



NOTES:
1. THIS CONSTRUCTION DETAIL IS INTENDED TO SHOW THE CATHODIC PROTECTION SYSTEM AS INSTALLED. SEE P/N 266817 FOR DETAILED INSTALLATION INSTRUCTIONS.
2. ALL SEALER USED WHEN INSTALLING THE CATHODIC PROTECTION SYSTEM SHALL BE NSF STANDARD 61 LISTED AND IS TO BE SUPPLIED BY THE BUILDER.

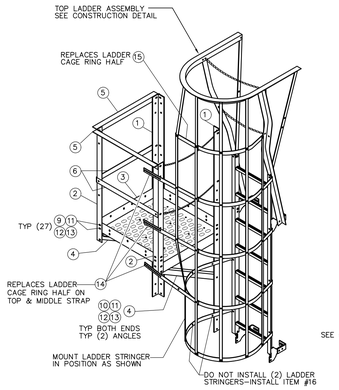
CATHODIC PROTECTION SYSTEM
NOT TO SCALE



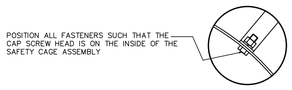
CATHODIC PROTECTION SYSTEM
BUSS BAR LOCATIONS
NOT TO SCALE

ITEM	DESCRIPTION	QTY
16	STRINGER, 1/8" x 1" x 23"	2
15	CAGE BAND, 1/8" x 1-1/2" x 11"	1
14	CAGE BAND, 1/8" x 1-1/2" x 22-1/2"	3
13	WASHER, FLAT, 3/8"	37
12	NUT, HEX, 3/8"	35
11	WASHER, LOCK, 3/8"	33
10	SCREW, HEX HD CAP, 3/8" x 1-1/4"	4
9	SCREW, HEX HD CAP, 3/8" x 1"	27
8	CHAIN ASSEMBLY	2
7	EYE BOLT, 3/8"	2
6	STRAP, 1/8" x 2" x 30-1/8"	2
5	RAIL, 2" x 2" x 1/8" x 30-1/8"	2
4	GUSSET ANGLE, 2" x 2" x 1/8" x 33-1/8"	2
3	PLATFORM, 30" x 30"	1
2	POST, 2" x 2" x 1/8" x 50-1/4"	2
1	MOUNTING ANGLE, 3" x 3" x 1/4" x 85"	2
--	MANWAY PLATFORM KIT	--

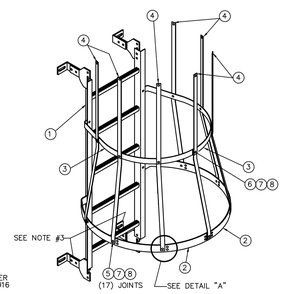
GENERAL NOTES:
1. ALL STEEL COMPONENTS ARE HOT DIP GALVANIZED.
2. FASTEN COMPONENTS TOGETHER USING 3/8" DIA. STAINLESS STEEL HEX HD CAP SCREW SETS. (SETS INCLUDE ITEMS #9, 10, 11, 12, AND 13) FASTENER USAGE FOR ASSEMBLY OF THIS SECTION IS AS FOLLOWS:
   - SET OF 3/8" X 1" LONG (ITEMS #9, 11, 12, AND 13) AT (27) JOINTS.
   - SET OF 3/8" X 1-1/4" LONG (ITEM #10, 11, 12, AND 13) AT (4) JOINT.
3. POSITION OF THE PLATFORM BRACKETS TO BE DETERMINED DURING INSTALLATION. SEE PROJECT SUBMITTAL DOCUMENTATION FOR BRACKET TYPE AND QUANTITY REQUIREMENTS.
4. ATTACH (2) CHAIN ASSEMBLIES (ITEM #8) AT THE OPEN SIDE OF THE PLATFORM USING THE FOLLOWING FASTENERS AT EACH CHAIN ASSEMBLY LOCATION:
   - (1) SET 3/8" x 1" LG HHCS (ITEMS #9, 11, 12, & 13)
   - (1) SET 3/8" DIA. EYE BOLT (ITEMS #7, 11, 12, & 13)
5. THIS LADDER SECTION IS CONNECTED AT THE BOTTOM TO ANY ONE OF THE LADDER SECTIONS ILLUSTRATED ON THE FOLLOWING CONSTRUCTION DETAIL DRAWINGS:
   - 267150 LADDER SECTION – INTERMEDIATE
   - 267153 LADDER SECTION – LONG BOTTOM
   - 267152 LADDER SECTION – SHORT BOTTOM
6. LEFT HAND PLATFORM MOUNT IS SHOWN. DEPENDENT ON SITE REQUIREMENTS, THE PLATFORM MAY BE MOUNTED ON THE RIGHT HAND SIDE OF THE LADDER.



MANWAY PLATFORM AND TOP LADDER WITH SAFETY CAGE
NOT TO SCALE

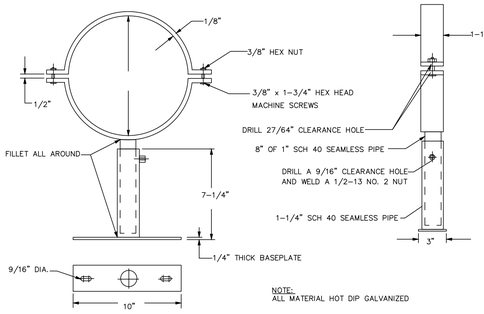


GENERAL NOTES:
1. ALL STEEL COMPONENTS ARE HOT DIP GALVANIZED.
2. FASTEN COMPONENTS TOGETHER USING 3/8" DIA. STAINLESS STEEL HEX HD CAP SCREW SETS. (SETS INCLUDE ITEMS #5, 6, 7, AND 8) FASTENER USAGE FOR ASSEMBLY OF THIS SECTION IS AS FOLLOWS:
   - SET OF 3/8" X 1" LONG (ITEMS #5, 7, AND 8) AT (17) JOINTS.
   - SET OF 3/8" X 1-1/4" LONG (ITEM #6, 7, AND 8) AT (1) JOINT.
3. SHORT "Y" LADDER BRACKET ASSEMBLIES ARE SHOWN FOR REFERENCE ONLY. POSITION OF THE BRACKETS TO BE DETERMINED DURING INSTALLATION. SEE PROJECT SUBMITTAL DOCUMENTATION FOR BRACKET TYPE AND QUANTITY REQUIREMENTS.
4. THIS LADDER SECTION IS CONNECTED AT THE TOP TO ANY ONE OF THE LADDER SECTIONS ILLUSTRATED ON THE FOLLOWING CONSTRUCTION DETAIL DRAWINGS:
   - 267147 LADDER SECTION – TOP
   - 267149 LADDER AND PLATFORM SECTION – OPEN TOP
   - 267154 LADDER AND MANWAY PLATFORM SECTION
   - 267150 LADDER SECTION – INTERMEDIATE



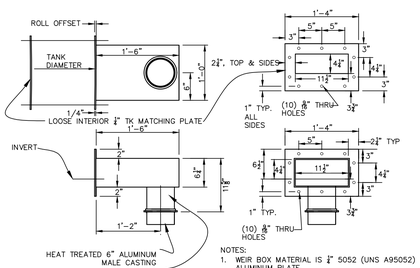
ITEM	DESCRIPTION	QTY
8	NUT, HEX, 3/8"	18
7	WASHER, LOCK, 3/8"	18
6	SCREW, HEX HD CAP, 3/8" x 1 1/4"	1
5	SCREW, HEX HD CAP, 3/8" x 1"	17
4	STRINGER, 1/8" x 1" x 23"	14
3	CAGE RING HALF, 1/8" x 1-1/2" x 13-1/2" R.	2
2	CAGE RING HALF, 3/16" x 3" x 17-1/2" R.	2
1	LADDER ASSEMBLY, SHORT	1
--	SHORT BOTTOM LADDER & SAFETY CAGE KIT	--

LADDER SECTION
SHORT BOTTOM WITH SAFETY CAGE
NOT TO SCALE



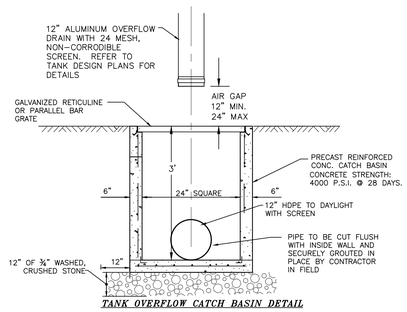
NOTE:
ALL MATERIAL HOT DIP GALVANIZED

PIPE SUPPORT BRACKETS
NOT TO SCALE

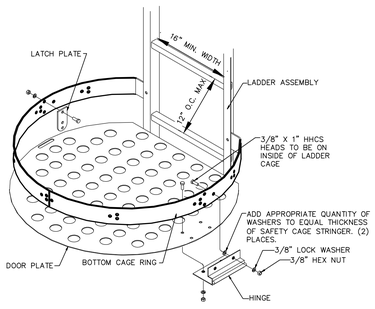


NOTES:
1. WEIR BOX MATERIAL IS 1/4" 5052 (UNS A95052) ALUMINUM PLATE.
2. GOOD FOR UP TO 222 GPM.
3. PROVIDE (1) RECTANGULAR LOOSE BACKER FLANGE, 16"X10 1/2", OF 1/4" PLATE, AS SHOWN, MANUFACTURED TO FIT TANK DIA.SPECIFIED.

6" WEIR BOX
NOT TO SCALE



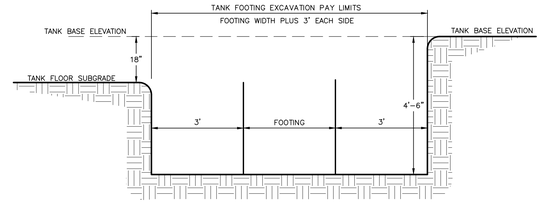
TANK OVERFLOW CATCH BASIN DETAIL
NOT TO SCALE



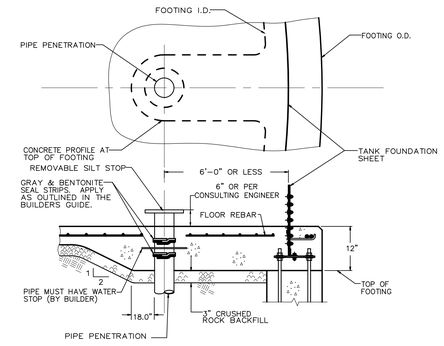
LADDER DOOR ASSEMBLIES
NOT TO SCALE

GENERAL NOTES:

1. THE STORAGE TANK WORK GOVERNED BY THESE DRAWINGS ARE SHOWING GENERAL DIMENSIONS AND CONSTRUCTION DETAILS OF A GLASS-FUSED-TO-STEEL BOLTED WATER STORAGE TANK AS MANUFACTURED BY CST STORAGE, DEKALB, IL, AND SUPPLIED BY STATEWIDE AQUASTORE, EAST SYRACUSE, NY. DETAILED FOUNDATION AND TANK DESIGN DRAWINGS AND SPECIFICATIONS IN ACCORDANCE WITH AWWA D103 (LATEST REVISION) SHALL BE PREPARED BY THE TANK SUPPLIER, SIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, AND WILL REQUIRE WRITTEN APPROVAL BY THE PROJECT ENGINEER.
2. THE ENGINEER'S SELECTION OF FACTORY APPLIED GLASS-FUSED-TO-STEEL BOLT TOGETHER TANK CONSTRUCTION FOR THIS PROJECT HAS BEEN PREDICATED UPON SPECIFIC CRITERIA, CONSTRUCTION METHODS, AND AN OPTIMUM COATING RESISTANCE TO INTERNAL AND EXTERNAL TANK CORROSION. DEVIATIONS FROM THE SPECIFIED DESIGN, CONSTRUCTION OR COATING DETAILS WILL NOT BE PERMITTED.
3. WATER TANK AND FOUNDATION DESIGN SHALL BE BASED ON, IN PART, GEOTECHNICAL FINDINGS AND REPORT (PREPARED BY OTHERS) WHEN MADE AVAILABLE.



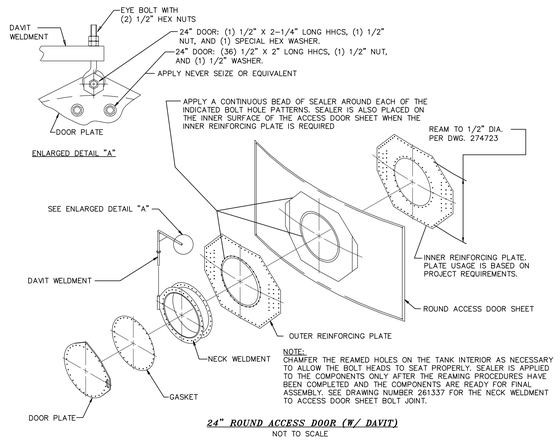
FOUNDATION EXCAVATION CROSS SECTION
NOT TO SCALE



THIS IS A TYPICAL PIPE PENETRATION DETAIL THROUGH THE FOUNDATION FLOOR WHEN THE PIPE IS LOCATED 6'-0" OR LESS FROM THE TANK INSIDE WALL.

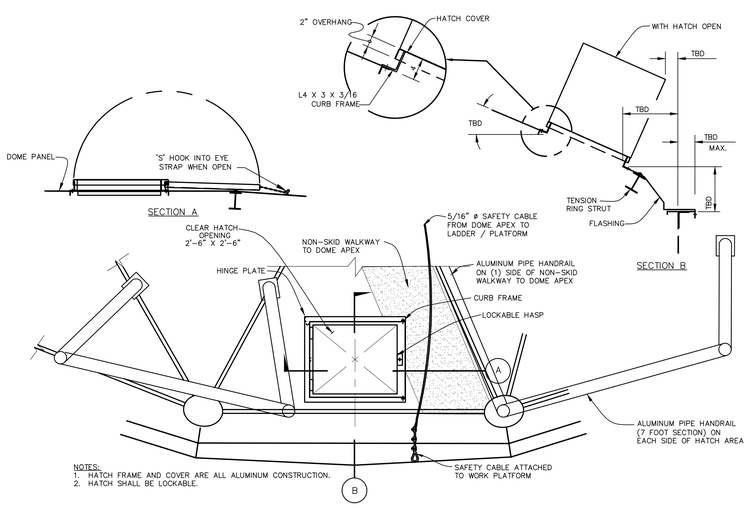
FOR FOUNDATION CONCRETE REINFORCEMENT STEEL REFER TO THE PROJECT SUBMITTAL DOCUMENTATION.

TYPICAL PIPE PENETRATION
SHORT STARTER CONCRETE FLOOR
NOT TO SCALE



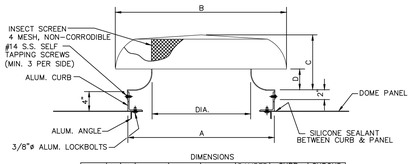
NOTE:
CHAMFER THE REAMED HOLES ON THE TANK INTERIOR AS NECESSARY TO ALLOW THE BOLT HEADS TO SEAT PROPERLY. SEALER IS APPLIED TO THE COMPONENTS ONLY AFTER THE REAMING PROCEDURES HAVE BEEN COMPLETED AND THE COMPONENTS ARE READY FOR FINAL ASSEMBLY. SEE DRAWING NUMBER 261337 FOR THE NECK WELDMENT TO ACCESS DOOR SHEET BOLT JOINT.

24" ROUND ACCESS DOOR (W/ DAVIT)
NOT TO SCALE



NOTES:
1. HATCH FRAME AND COVER ARE ALL ALUMINUM CONSTRUCTION.
2. HATCH SHALL BE LOCKABLE.

HATCH DETAIL
NOT TO SCALE



DIMENSIONS

MODEL	A	B	C	D	DIA.	DAMPER SIZE	CURB MATERIAL	SHROUD MATERIAL
20"	30	35	11 1/4"	4 1/4"	20 5/16"	20 X 20	.064	.064

RELIEF PERFORMANCE CAPACITIES (CFM)

MODEL	THROAT AREA(FT.)^2	.04PD	.06PD	.08PD	.10PD	.125PD	.187PD	.250PD	.300PD	.350PD
20"	2.25	1220	1520	1785	1995	2235	2730	3166	3513	3859

INTAKE PERFORMANCE CAPACITIES (CFM)

MODEL	THROAT AREA(FT.)^2	.04PD	.06PD	.08PD	.10PD	.125PD	.187PD	.250PD	.300PD	.350PD
20"	2.25	1111	1368	1565	1745	1923	2399	2735	3003	3232

NOTE: DIMENSIONS ARE NOMINAL CAPACITIES ARE MINIMUMS

VENTILATOR SPECIFICATIONS
NOT TO SCALE

COPIES FROM THE ORIGINAL OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEER'S AND/OR LAND SURVEYOR'S STAMP OR EMBOSSED SEAL SHALL NOT BE CONSIDERED VALID, TRUE COPIES.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209-2 OF THE NEW YORK STATE EDUCATION LAW.

COPYRIGHT 2016, LANC & TULLY, P.C.

LANC & TULLY
ENGINEERING AND SURVEYING, P.C.
P.O. Box 687, Rt. 207
Goshen, N.Y. 10924
(845) 294-3700

MERLIN ENTERTAINMENTS
FORREC
MASER CONSULTING P.A.

TYPICAL AQUASTORE WATER TANK DETAILS

LEGOLAND NEW YORK
TOWN OF GOSHEN
ORANGE COUNTY, NEW YORK

Revisions:

No.	Description	Issue Date
1	PLAN DEVELOPMENT	SEPTEMBER 1, 2016
2	PLAN DEVELOPMENT	NOVEMBER 3, 2016
3	FEIS SITEPLAN	MAY 18, 2017
4	SITEPLAN	SEPTEMBER 21, 2017
5	AMENDED SITEPLAN	JULY 5, 2018
6	AMENDED SITEPLAN	JULY 19, 2018

CAD File: 160042-WATER-SEWER DETAILS
Layout: TANK DTLS
Drawn By: MK
Checked By: JOR
Scale: N/A
Project No.: 16-0042
Tax Map No.: SEE SHEET 2
Date: JULY 21, 2016
Sheet/Drawing No.: C 40 OF 43