



LAKESTIDE INDUSTRIES, INC

DURGIN ROAD PLANT

SITE ADDRESS
11125 DURGIN ROAD
SE OLYMPIA, WA 98513

PROJECT SCOPE

1. THE SCOPE OF WORK INCLUDES THE FOLLOWING:
1.1. ADDITION OF A NEW RECYCLED ASPHALT PRODUCTS (RAP) STORAGE SHED INCLUDING FEED HOPPER AND CONVEYOR

GENERAL SPECIFICATIONS

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE 2015 EDITION WITH WASHINGTON STATE AMENDMENTS.

DESIGN DATA

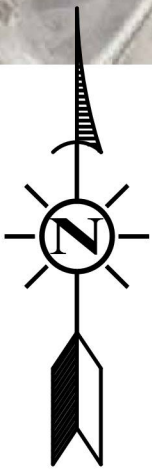
1. GROUND SNOW LOAD = 20 PSF
2. MIN ROOF SNOW LOAD = 25 PSF
3. WIND SPEED = 100 MPH, EXPOSURE C
4. SEISMIC DESIGN CRITERIA S_{DS} = 1.09g
 S_{D1} = 0.59g
SDC = D
SITE CLASS D
= 1,500 PSF (ASSUMED)
7. SOIL BEARING CAPACITY

PROPERTY INFORMATION

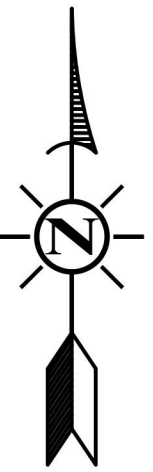
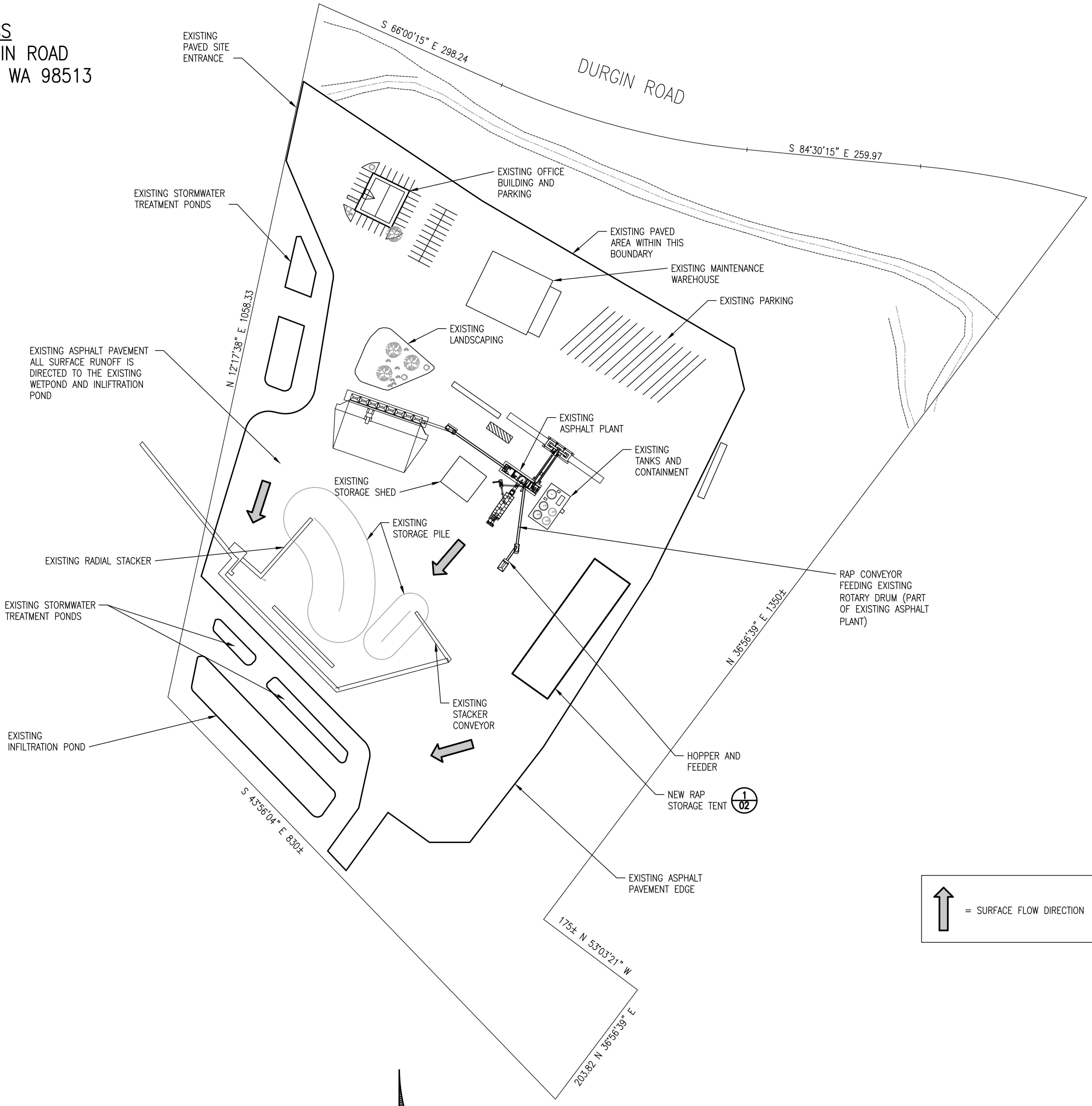
1. PARCEL NUMBER = 21817140200
2. LEGAL DESCRIPTIONS = SECTION 17 TOWNSHIP 18
RANGE 1E QUARTER SW NE NW
SE BLA980097 TRB DOCUMENT
3151588
3. ZONE = MINING/QUARRY/ORE
PROCESSING

STANDARD NOTES FOR CONSTRUCTION SWPPP

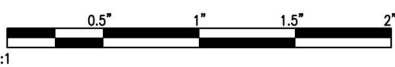
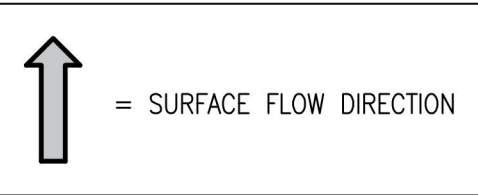
1. ACCEPTANCE OF THIS EROSION/SEDIMENT CONTROL (ESC) PLAN BY THURSTON COUNTY DOES NOT CONSTITUTE AN ACCEPTANCE OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF ESC FACILITIES IS THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE CORE REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT (>1" IN 24 HOURS).
8. AT NO TIME SHALL MORE THAN 1 FOOT OR 1/3 OF THE SUMP VOLUME, WHICHEVER IS LESS, OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.



1 SITE VICINITY MAP
1" = 400'



2 SITE PLAN - RAP ADDITION
1" = 100'-0"



REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE	—	X	ACI 318: 3.8.6, 8.1.3, 21.2.8

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SYM.	ISSUED FOR PERMIT	REVISIONS	BY	DATE	CHK'D
0	ISSUED FOR PERMIT		JMC	10/07/22	



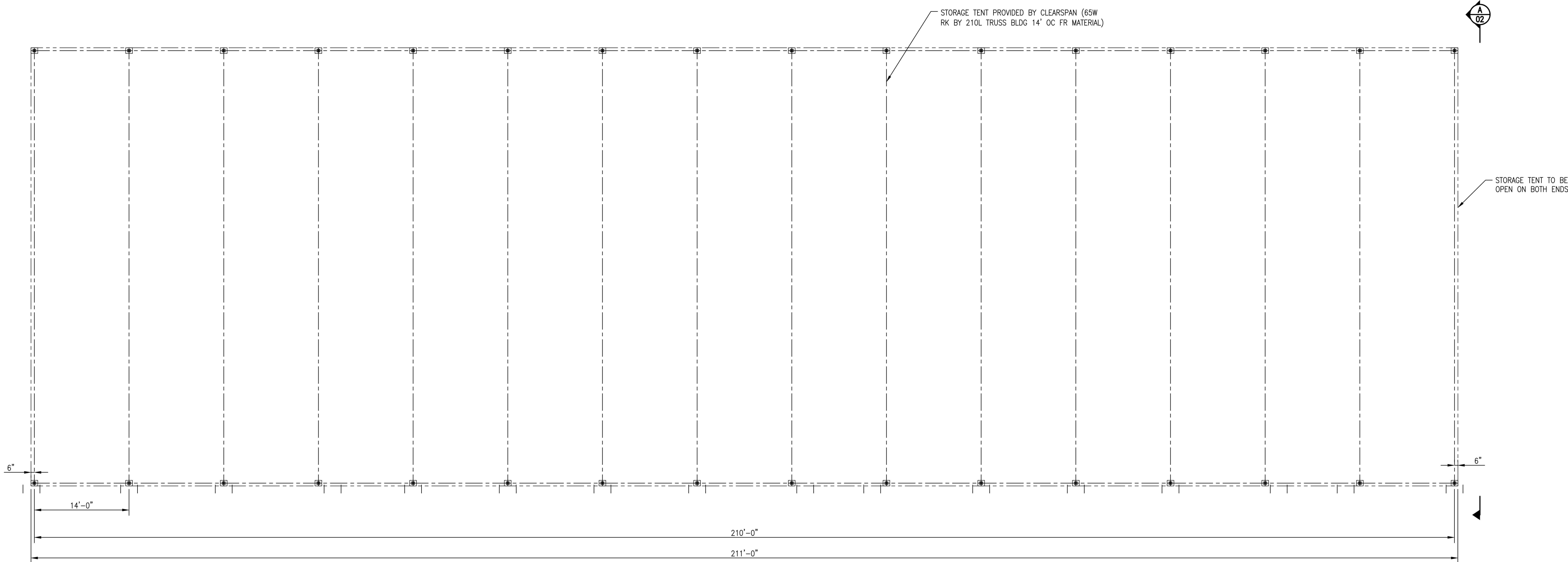
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DRAWN BY	DATE	CHKD BY	DATE
CF	05/04/2022		

SCALE	DWG. NO.	REV.
AS NOTED	22-063B-01	0

LAKESTIDE INDUSTRIES
DURGIN ROAD ASPHALT PLANT
SITE LAYOUT



1
02 RAP STORAGE TENT - PLAN
1/8" = 1'-0"

HOLD FOR FINAL REACTIONS

Building Width	65	ft
Building Length	200	ft
Rafter Spacing	14	ft
Minimum Roof Snow Load	25	psf

Ground Snow Load	20	psf	(Partially Exposed Roof)	ASCE 7-10
Ultimate Wind Speed	100	mph	Exp C (Enclosed)	
Risk Category	I		IBC Table 1604.5	
Collateral Load	300	lbs per truss		

*See notes below					
UNFACTORED BASE REACTIONS TO CONSIDER AT TYPICAL BASES					
Load Case	Side A		Side B		
	Rx (kip)	Ry (kip)	Rx (kip)	Ry (kip)	
Dead Load, Self Weight	DL	0.32	0.87	-0.32	0.88
Dead Load, Collateral	EL	0.08	0.16	-0.08	0.16
Snow Load, Balanced	S	5.71	10.66	-5.71	10.66
Snow Load, Unbalanced	Su	1.47	1.47	-1.47	3.81
Wind Load	Wx	-6.49	-7.35	0.91	-7.59
Wind Load	Wy	-5.07	-3.75	0.50	-3.99
Wind Load	Wz	0.05	-8.39	2.75	-8.06
Wind Load	Wz2	0.47	-4.78	2.31	-4.45
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00

*See notes below		ADDITIONAL UNFACTORED BASE REACTIONS TO CONSIDER AT BASES WITH CABLE ATTACHED					
Load Case		Side A			Side B		
		Rx (kip)	Ry (kip)	Rz (kip)	Rx (kip)	Ry (kip)	Rz (kip)
Wind Load	Wz	0.05	-9.23	0.00	3.02	-8.86	0.00
Dead Load, Cable (Wz)	DL	0.00	0.00	0.00	0.00	0.00	0.00
Wind Load	Wz2	0.00	0.00	0.00	0.00	0.00	0.00
Dead Load, Cable (Wz2)	DL	0.00	0.00	0.00	0.00	0.00	0.00

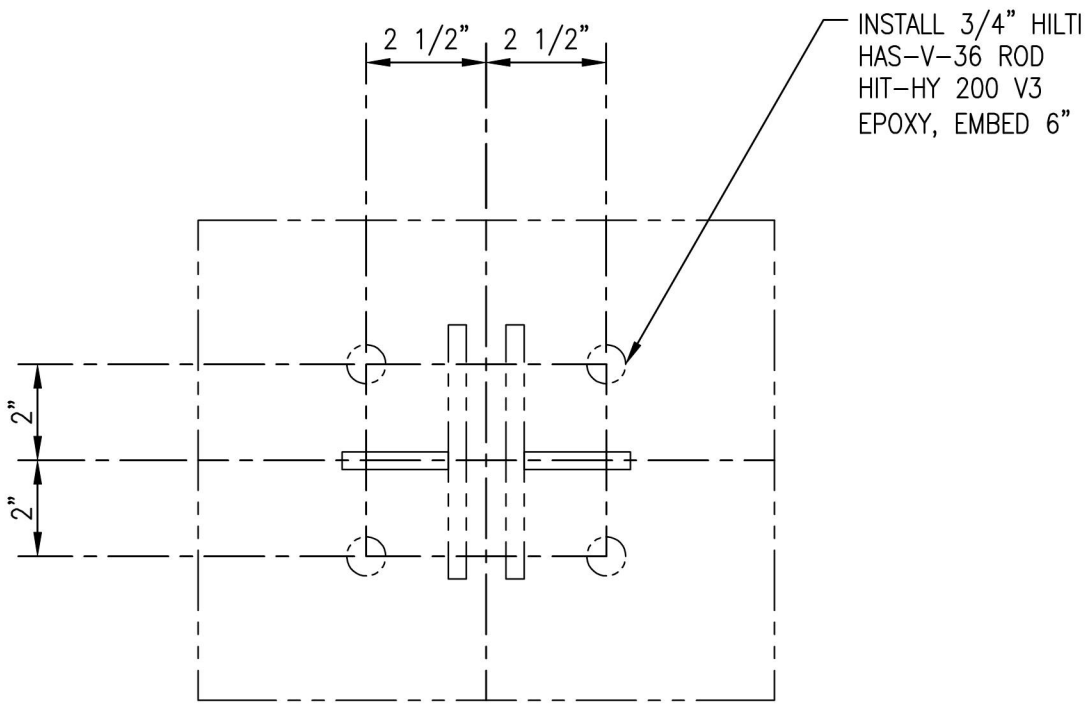
Notes:

- The above Reaction Data should be combined as required by the Load Combinations from IBC or other applicable code.
- The Reaction Data is for a building that represents a low hazard to human life in the event of a failure. Examples of such are agricultural buildings, unoccupied private buildings, unoccupied storage buildings, or temporary buildings. A building is considered "unoccupied" when employees are typically in the building only to move materials in and out (no permanent workstations) and it is not open to the public.
- The Reaction Data is for a building that has both endwalls closed or has the same area of openings in each endwall.

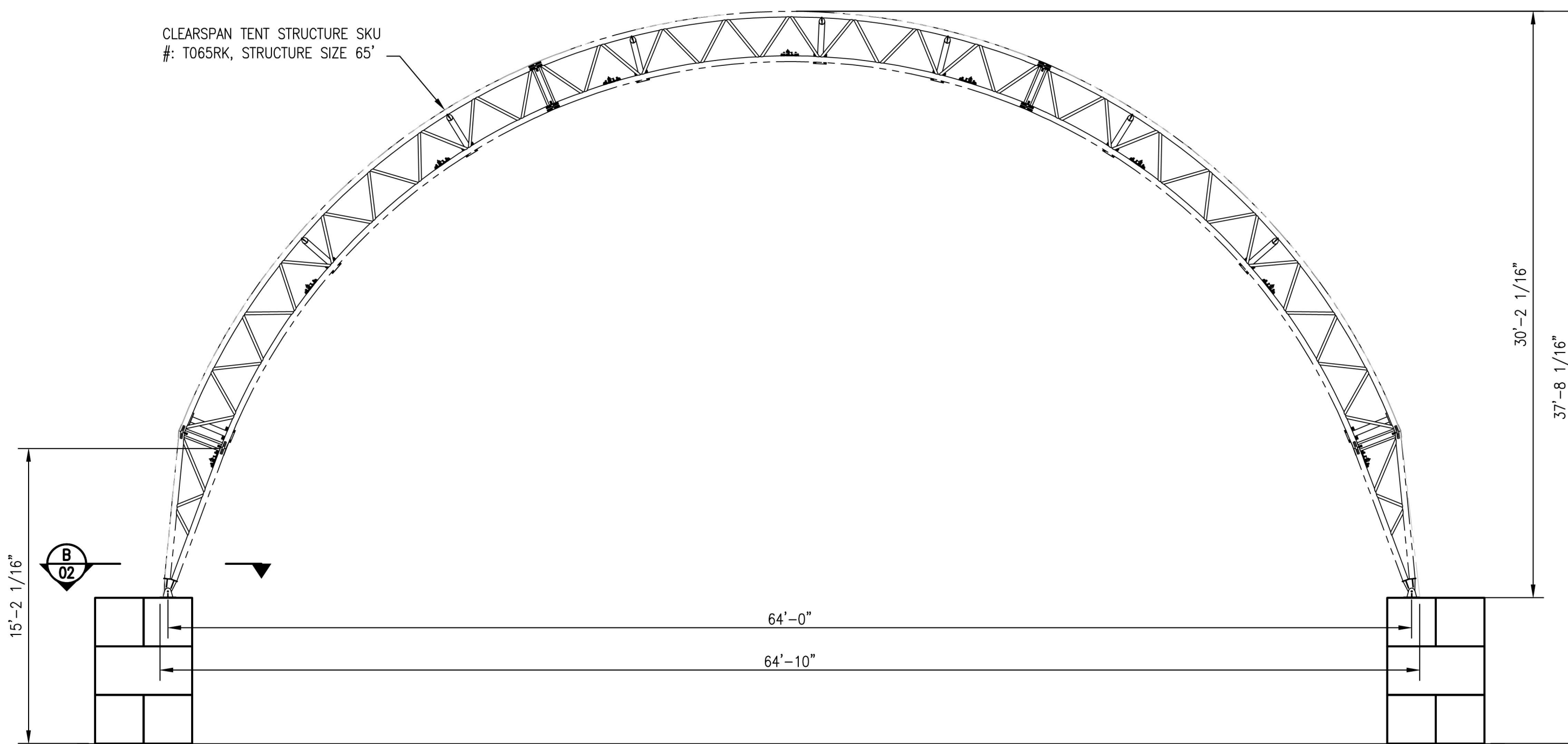


CONTROLLING ASD COMBINATIONS TO CONSIDER AT TYPICAL BASES					
Max Gravity (kip)	11.69	DL + EL + S			
Max Uplift (kip)	-4.51	0.6DL + 0.6Wz			
Max Inward Lateral (kip)	-3.70	0.6DL + 0.6Wx			
Max Outward Lateral (kip)	6.11	DL + EL + S			

ADDITIONAL CONTROLLING ASD COMBINATIONS TO CONSIDER AT BASES WITH CABLE ATTACHED					
Max Gravity (kip)	11.69	DL + EL + S			
Max Uplift (kip)	-5.01	0.6DL + 0.6Wz			
Max Inward Lateral (kip)	-3.70	0.6DL + 0.6Wx			
Max Outward Lateral (kip)	6.11	DL + EL + S			



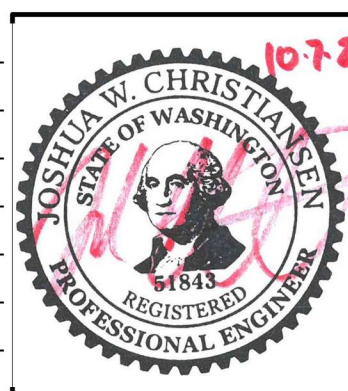
B
02 REF - BASEPLATE DETAIL
3/8" = 1'-0"



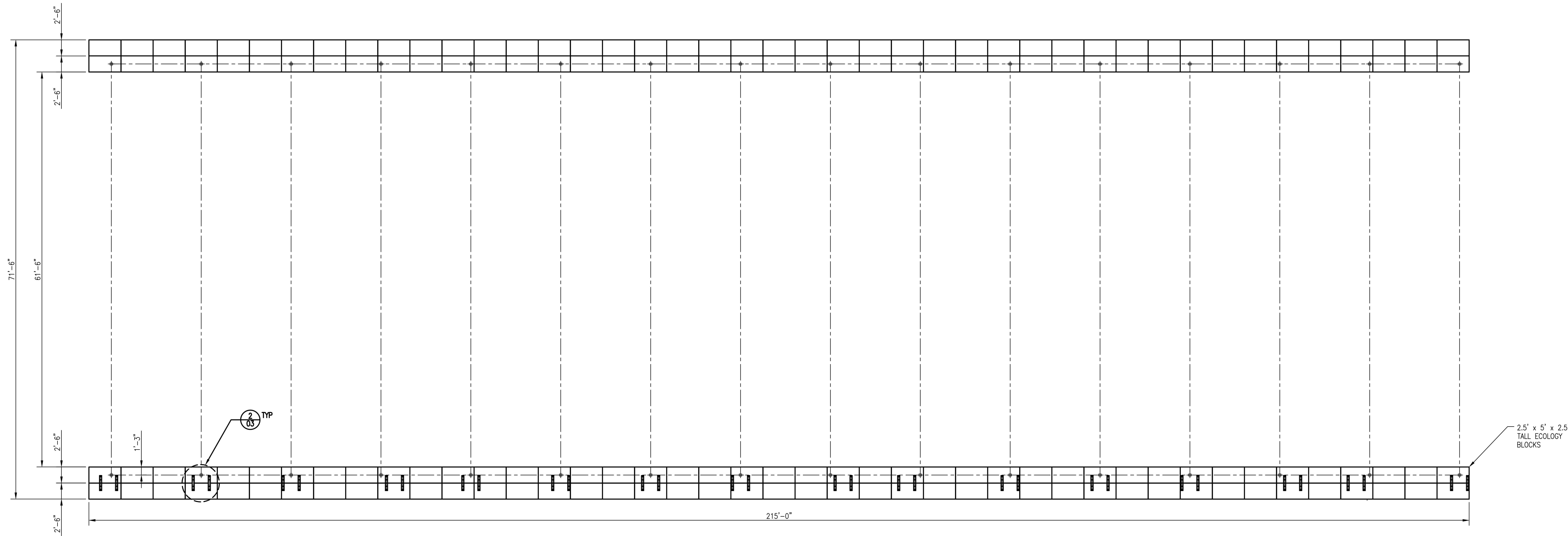
A
02 RAP STORAGE TENT - TENT FRAME
3/16" = 1'-0"

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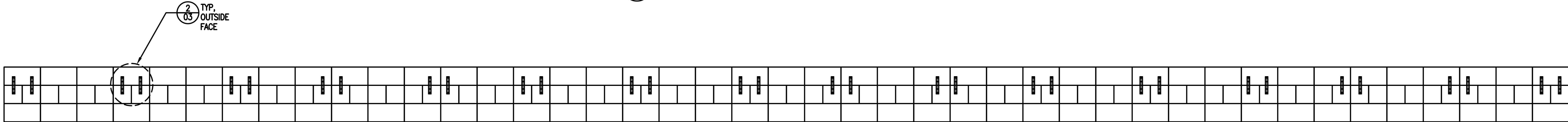
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0	ISSUED FOR PERMIT	JWC	10/07/22	



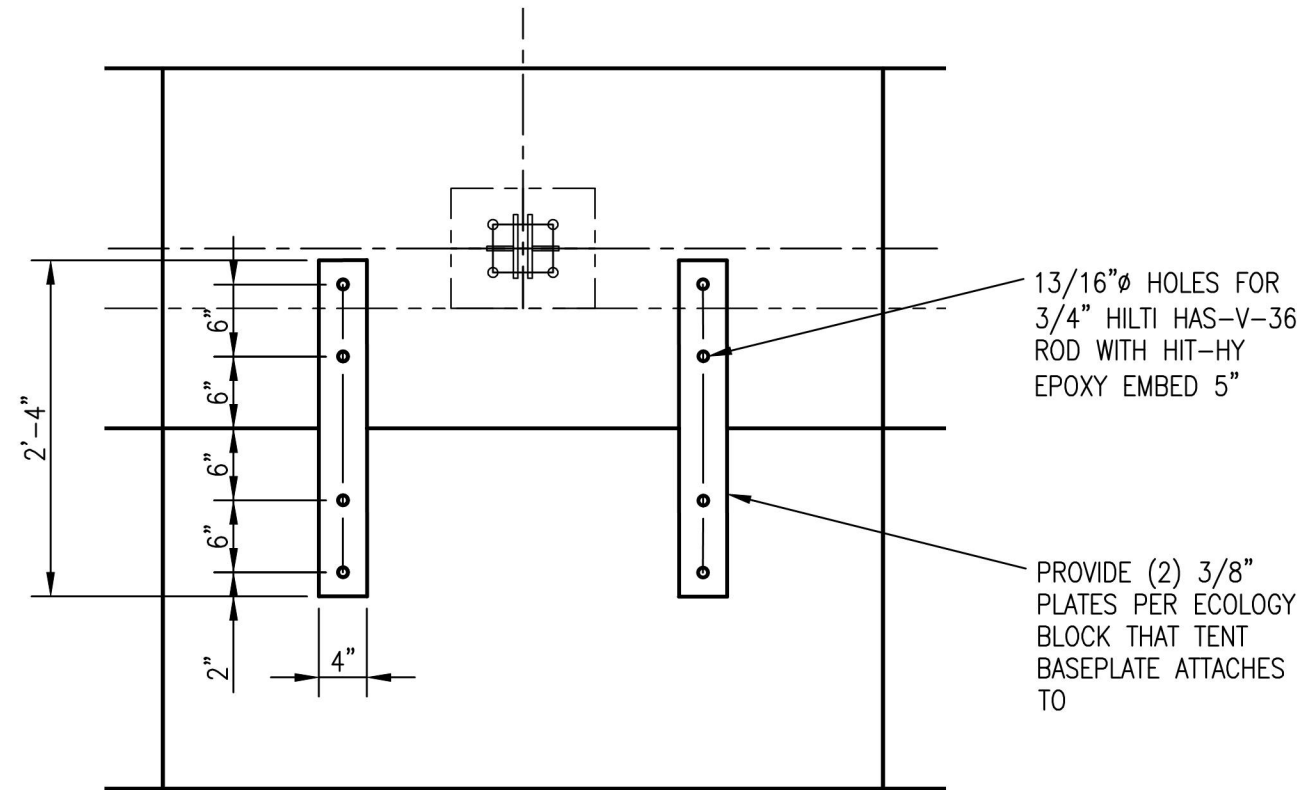
SMG Smith Monroe Gray ENGINEERS, INC.				8625 SW Cascade Ave. Suite 600 Beaverton, Oregon 97008 Phone: 503.643.8595 Fax: 503.643.8610 www.smgengr.com		LAKE SIDE INDUSTRIES DURGIN ROAD ASPHALT PLANT RAP STORAGE TENT	
DRAWN BY CF	DATE 5/4/2022	CHK'D BY	DATE	SCALE AS NOTED	DWG. NO. 22-063B-02	REV. 0	



1 RAP STORAGE TENT FOUNDATION – PLAN
1/8" = 1'-0"



A RAP STORAGE TENT FOUNDATION – ELEVATION
1/8" = 1'-0"



2 ECO BLOCK STRAP DETAIL
3/4" = 1'-0"

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LAKESIDE INDUSTRIES
DURGIN ROAD ASPHALT PLANT
RAP STORAGE TENT FOUNDATION