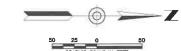


TOWN OF PUTNAM

OF THE TOWN OF KILLINGLY (SEE VOL. 1262, PG. 459) φ φ + 2632 φ φ φ • PROPOSED HOLE TO BE FILLED \$5,500 C.Y. 145 Alenander parkway LLC φ φ Killingly + 272,7 +277.0 + 276.5 +275.6 + 277.5



ATTENTION I AQUIFER ZONE IN THE EVALV PILL, SHUT THE VALV **CALL 911** I SPILL ICIT INCOLDE

LOCUS

This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;

SIGN DETAIL NOT TO SCALE

- This survey conforms to a Class "C" horizontal accuracy.
- Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
- Survey Type: Topographic Survey.

This map was prepared from record research, other maps, limited field measurements and other sources, it is not to be construed as a Property/Boundary or Limited Property/Boundary Survey and is subject to such facts as said surveys may disclose.

- 2. Parcel is shown as Lot #1 on Assessors Map #36.
- 3. Zone = Indiustrial.
- 4. Owner of record: 145 Alexander Parkway LLC 145 Country Club Road Killingly, CT 06241
- Elevations shown are based on approximate National Geodetic Vertical Datum of 1929 (NGVD 29). Contours shown are taken from map reference and supplemented with actual field survey. Contour interval = 2.
- 6. Wetlands shown were taken from map reference.
- Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455 or 811.

MAP REFERENCE:

"Subdivision Plan — Prepared for — Town of Killingly Industrial Park Expansion — Louisa Viens Drive & Alexander Park Way — Killingly, connecticut — Scale: 1" = 100" — Date: 10/9/2012 — Sheat 1 of 1 — Prepared by: KWP Associates. On file as Map #6633 in the Town of Killingly Land Records.

DATE	DESCRIPTION
	REVISIONS

TOPOGRAPHIC SURVEY SHOWING PROPOSED PROCESSING AREA PREPARED FOR

DESMARAIS & SONS, INC.

LOUISA VIENS DRIVE & ALEXANDER PARKWAY KILLINGLY, CONNECTICUT

Killingly Engineering Associates Civil Engineering & Surveying

DATE: 4/02/2021	DRAWN: AMR	
SCALE: 1" = 50"	DESIGN:	
SHEET: 2 OF 3	CHK BY: GG	
DWG. No: CLIENT FILE	J08 No: 17088	

LEGEND

PROPOSED CONTOURS
INLAND WETLANDS FLAG COCCOCCOC STONE WALL

CO CO COO STONE WALL REMAINS

===== SILT FENCE

APPROVED BY THE TOWN OF KILLINGLY PLANNING AND ZONING COMMISSION Special Permit No: 18-1197 Chairman:

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON,

LIC. NO. 70191 GREG A. GLAUDE, L.S.

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

I. USDA-NRCS Web Soil Surve

2. Soil Survey of New London County Connecticut, U.S.D.A. Soil Conservation Service 1983. SOILS:

DEVELOPMENT SCHEDULE:

- Install and maintain erosion and esalimentation control devices as shown on these plane. All erosion control devices shall be inspected by an agent of the Town. Any additional erosion control devices required by the Town's Agent shall be installed and inspected prior to any construction on site. (See sit fence installation notes.)
- 3. Install and maintain erosion and sedimentation controls throughout operations.
- Dust control will be accomplished by spraying with water and if necessary, the application of calcium chiefde

SPILL PREVENTION:

- . All fuelling shall take place within the designated fueling area as shown on the plane, adjacent to the site entrance and within the construction staging area. All fuelling and minor maintenance shall be conflicted to this area. Major equipment repairs shall be conducted off site.
- 2. If required, temporary fuel tanks shall be located at the designated fueling area. Manufactured double walled storage tanks shall be installed, operated and maintained per the manufacturer's written recommendations. Single walled temporary tanks shall only be utilized if 100% splilage containment is provided. In the event of fuel splilage, the operator shall immediately remove the tank, contain the splilage and contact the CIDEP 24-hours Temergency Spill Response line at 1-868-373-7745.
- Fuel trucks entering the site shall shall proceed directly to the designated fueling area prior to dispersing any fuel products.
- 4. An emergency spill kit shall be located at the designated fueling area and shall consist of absorbents, sand bags or earth material for use in controlling spills or locks. Spilled materials and/or contaminated soils shall be excavated, stored in leak-proof containers and from the sits for disposal in occordance with all applicable local, state and federal hazardous waste regulations.

DEVELOPMENT CONTROL PLAN:

- Development of the sits will be performed by the applicant, who will be responsible for the installation and maintenance of erosion and sediment control measures required throughout operations.
- Final stabilization of the site is to follow the procedures outlined in "Permanent Vegetative Cover". If necessary a temporary vegetative cover is to be provided until a permanent cover can be applied.

SILT FENCE INSTALLATION AND MAINTENANCE:

- 1. Dig a 6" deep trench on the uphill side of the barrier location.
- 2. Position the posts on the downhill side of the barrier and drive the posts 1.5 feet into the ground.
- 3. Lay the bottom 6" of the fabric in the trench to prevent undermining and backfill.
- Inspections will be made at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs.
- 6. Sadiment deposits are to be removed when they reach a height of 1 foot behind the barrier or half the height of the barrier and are to be deposited in an area which is not regulated by the inland wellonds commission.
- 7. Replace or repair the fence within 24 hours of observed failure. Failure of the fence has occurred when sediment fails to be retained by the fence because: the fence has been overlopped, undercut or byposeed by runoff water, the fence has been moved out of position (knocked over), or the godexitie has decomposed or been demagad.

HAY BALE INSTALLATION AND MAINTENANCE:

- 1. Bales shall be placed as shown on the plans with the ends of the bales tightly abutting each other.
- Inspect bales at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 Inches or greater to determine maintenance needs.
- Remove sediment behind the bales when it reaches half the height of the bale and deposit in an area which is not regulated by the inland Wetlands Commission.
- 5. Replace or repoir the barrier within 24 hours of abserved failure. Failure of the barrier has accourred when sediment fails to be retained by the barrier because:

 the barrier has been overtapped, undercut or bypased by runoff water,
 the barrier has been moved out of position, or
 the barrier has been moved out of position, or
 the hay balose have deteriorated or been damaged.

TEMPORARY VEGETATIVE COVER:

SEED SELECTION

Gross species shall be appropriate for the season and site conditions. Appropriate species are autlined in Figure TS-2 in the 2002 Guidelines.

RECOMMENDED SEED MIXTURES:

No.	Seed Mixture (Variety)	Lbs/ccre	Lba/Sq.
*26	Switchgrass (Blackwell, Shelter, Cave-In-rock)	4.0	0.10
	Big Blusstern (Niagra, Kaw)	4.0	0.10
	Little Bluestern (Blaze, Aldous, Camper)	2.0	0.05
	Sand Lovegrass (NE-27, Bend)	1.5	0.03
	Bird's-foot Trefoil (Empire, Viking)	2.0	0.05
**27	Flatpea (Lathco)	10	0.20
	Perenniai Pea (Lancer)	2.0	0.05
	Crown Vetch (Chemung, Penngift)	10	0.20
	Toll Fescue (Kentucky 31)	2.0	0.05
**28	Orchardgrass (Pennialte, Kay, Potomac)	5.0	0.10
	Tall Fescue (Kentucky 31)	10	0.20
	Redtop (Streeker, Common)	2.0	0.05
	Bird's-foot Trafoil (Empire, Viking)	5.0	0.10

Considered to be a cool season mix
 Considered to be a warm season mix

APPROVED BY THE TOWN OF KILLINGLY PLANNING AND ZONING COMMISSION Special Permit No: 18-1197
Applicant: DESMARAS & SONS, INC. Date Approved: JULY 16, 2018

SEEDBED PREPARATION

Loosen the soil to a depth of 3-4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is require Soil preparation can be accomplished by tracking with a busidary, discing, harrowing, raking or dragging with a escition of other link fense. Avoid excessive compaction of the europe of equipment travelling back and forth over the europe of it has siops is tracked, the cloot marks shall be perpendicular to the anticipated direction of the fiber of authorice water.

if soil testing is not practical or feesible on small or variable sites, or where timing is critical, fertilizer may be applied at the trate of 300 pounds per core or 7.5 pounds per 1,000 square feet of 10-10-10 or sequivalent. Additional, lims may be applied using rates given in Figure 13-1 in the 2002 Guidelines.

Temporary seedings made during optimum seeding dates shall be mulahed according to the recommendations in the 2002 Subdelines. When seeding outside of the recommended dates, increase the application of much to provide 95%-1009

inspect seeded area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch moveme and rill erosion.

Where seed has moved or where soil erosion has occurred, determine the cause the failure. Repair eroded areas and install additional controls if required to

Continus inspections until the grosses are firmly established. Grosses shall not considered established until a ground cover is achieved which is moture enough control soil erosion and to survive severe worther conditions (approximately 80%

PERMANENT VEGETATIVE COVER:

Seed mbt for alope restoration shall be <u>seed mbtures</u> \$25, \$27 or \$28 as described in the 2002 Guidelines for Sail Erosion and Sediment Control and a described an this sheet, applied at the recommended rates. In general, the following sequence of aperations shall apply:

- No topacil or subsoil shall be removed from the site. All topsoil and subsoil shall be stockplied and stabilized in accordance with measures cuttined in "Temporary Vegetative Cover".
- A minimum of 6" of subsoil and 4" of topsoil shall be spread and compacts on find slopes. Once the topsoil has been spread, all stones 3" or larger in any dimension will be removed as well as debris.
- Apply ogricultural ground limastone at a rots of 2 tone per core or 100 lbs. per 1000 a.f. Apply 10-10-10 fertilizer or equivalent at a rots of 300 lbs. per 1000 a.f. Work lime and fertilizer into the sail to a minimum so
- Inspect seedbed before seeding. If traffic has compacted the soil, retill compacted areas.
- Apply the recommended gross seed mix. The recommended seeding dates are: April 1 to June 15 & August 15 ~ October 1.

- Slopes shall be inspected weekly and after all rain events of 0.5" or greater.
 Disturbed or damaged slopes shall be repaired immediately.

EROSION AND SEDIMENT CONTROL NARRATIVE:

PRINCIPLES OF EROSION AND SEDIMENT CONTROL

The primary function of erosion and sediment controls is to absorb erosional energies and reduce runoff velocities that force the detacht and transport of soil and/or encourage the deposition of eroded soil particles before they reach any sensitive area.

KEEP LAND DISTURBANCE TO A MINIMUM

REPE LAND DISTURBANCE TO A MININUM

The more lond that is in vegetative cover, the more surface water will inlittate into the soil, thus minimizing stammarter runoff and potential motion. Keeping land disease, and the stammarter of the potential motion is surfaced by the stammarter of the potential motion. Responsive of the stammarter of exposure. Phasing, accuracing one construction scheduling are interrelated. Phasing divides a large project into distinct sections where construction work ower a specific area occurs over distinct periods of time and soch phase in not dependent upon a subsequent phase in order to be functional. A sequence is the order in which construction activities are to occur during any particular phase. A sequence should be everywher the premise of "first things first," and Tast things last with the properties of the premise of "first things first," and Tast things last time lines opplied to it and should address the potential overlap of actions in a sequence which may be in conflict with each other.

- Limit areas of clearing and grading. Protect natural vegetation from construction equipment with fencing, tree armoring, and retaining walls or tree wells.
- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are minimized and only that area under construction is exposed. Clear only those areas assential for construction.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible during construction.

 Ensure all outlets are stable before outletting storm drainage flow into them.

SLOW THE FLOW

Detachment and transport of eroded soil must be kept to a minimum by absorbing and reducing the erosive energy of water. The erosive energy of water increases as the volume and valocity of runoff increases. The volume and valocity of runoff increases during development as a result of reduced infiltration rates caused by the removal of existing vegetation, removal of topsoil, compaction of soil and the construction of impervious surfaces.

- Segregate construction waters from clean water.
- Divert site runoff to keep it isolated from wetlands, watercound drainage ways that flow through or near the develountil the sediment in that runoff is trapped or detained.

REDUCE ON SITE POTENTIAL INTERNALLY AND INSTALL PERIMETER CONTROLS

While it may seem less complicated to collect all waters to one point of discharge for treatment and just install a perimeter control, it can be more effective to apply internal controls to many small sub-drainage basins within the site. By reducing sediment loading from within the site, the chance of perimeter control failure and the patential affected damage that it can cause is reduced. It is generally more expensive to correct off-site damage than it is to install proper internal controls.

EXCAVATION/PROCESSING NOTES:

HOURS OF OPERATION: 7:00 cm - 6:00 pm Monday - Friday 7:00 cm - 12:00 pm Saturday

<u>DUST CONTROL:</u> Dust control shall be accomplished with pariodic watering. Other medaures, if desired should be reviewed and approved by the Town of Killingly. GENERAL NOTES:

There shall be no storage of fuel on site nor shall there be vehicle or machinery washing or major repairs done on site.

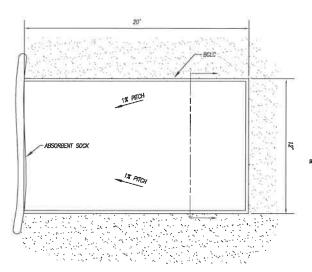
The maximum disturbed area (not yet stabilized with topeoil, seed and mulch) at any time shall be limited to 5 agree.

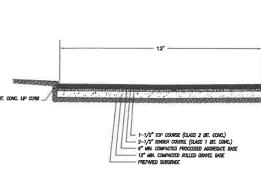
6. Prior to any excavation, contact CALL BEFORE YOU DIG at 1-800-922-4455 to determine the location of any underground utilities.

SEQUENCE OF OPERATIONS:

- Prior to any activity on site, the contractor shall flag the limit of Phase 1 clearing and schedule a pre-construction meeting with the Toen of Killingly Zoning Official.
- Cut tress within phase limit and remove wood from the eits. Install perimeter erceion and sedimentation controls; branches/brush may be chipped and utilized as berms for EAS.
- Excavate all stumps located in the phase area and remove to a disposal effe or stockpile to be chipped for use on site. The state of Connecticut does not allow for burying of stumps on site.
- 5. Excavate/grade areas of proposed sedimentation basins.
- Strip and stockpile topsoil and subsoil. Excess subsoil may be utilized in adding over-excovated area to essist in achieving compliant side elopes. Note: sufficient subsoil and topsoil shall be reserved to provide a minimum of 6" of subsoil and 4" of topsoil to establish vegetation for finished grades.

- 11. Repeat sequence for phase 2 operations. 12. Processing shall be for be for materials excavated on site and for materials brought to the site by the Owner from other Owner operated projects. No materials shall be brought to the site for processing from contractors other than the Owner.

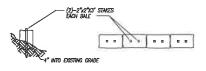




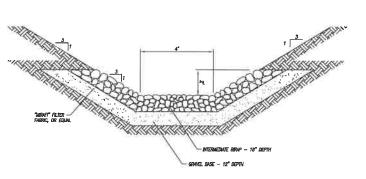
PLAN

SECTION

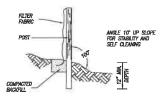
PAVED REFUELING PAD



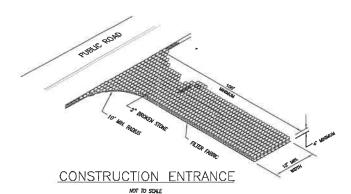
HAYBALE BARRIER

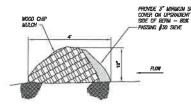


SECTION THRU MODIFIED RIPRAP SWALE

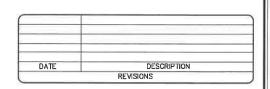


SILT FENCE





WOOD CHIP FILTER BERM NOT TO SCALE NOTE: WAY BE UTILIZED IN LIEU OF SILT FENCE ON LESSER SLOPES



DETAIL SHEET PROPOSED EARTH MATERIALS PROCESSING PREPARED FOR

DESMARAIS & SONS, INC.

LOUISA VIENS DRIVE & ALEXANDER PARKWAY KILLINGLY, CONNECTICUT

Killingly Engineering Associates Civil Engineering & Surveying

98 Westcott Road P.O. Box 421 Dayville, Connecticut 06241 (860) 779-7299 - FAX: (860) 774-3703

DATE: 04/02/2021	DRAWN: AMR
SCALE: NOT TO SCALE	DESIGN: NET
SHEET: 3 OF 3	CHK BY:
DWG. No: CLIENT FILE	JOB No: 17088

ene1-12#

PROJECT KNIGHT

KILLINGLY, CONNECTICUT

PHASE 1 – TRASH AND RECEIVING DOCK EXPANSION

SLIDE INDEX:

SLIDE 1: COVER SHEET & SLIDE INDEX

SLIDE 2: EXISTING CONDITIONS MAP

SLIDE 3: AQ-003 - OVERALL SITE PLAN

SLIDE 4: PH1.C-121 - GEOMETRY PLAN

SLIDE 5: PH1.C-131 - UTILITY PLANS

SLIDE 6: PH1.C-141 - GRADING AND DRAINAGE PLANS

SLIDE 7: PH1.C-172 - POST DEVELOPMENT DRAINAGE MAP

SLIDE 8: P1-A-110 - TRASH - RECEIVING 1ST FLOOR PLAN

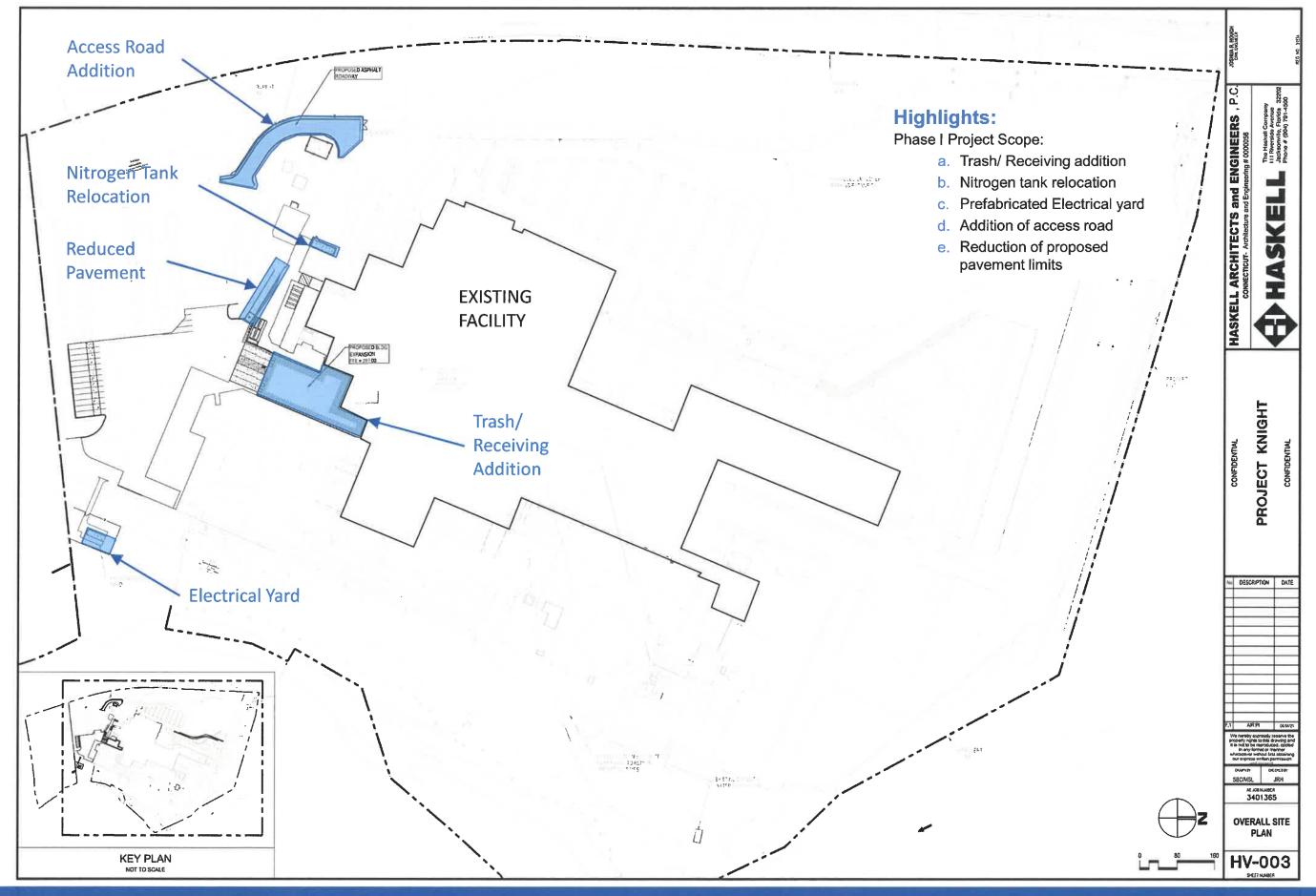
SLIDE 9: P1-A-201 - BUILDING ELEVATIONS & SECTIONS

SLIDE 10: PHASE 1 ELECTRICAL SITE LIGHTING EXHIBIT

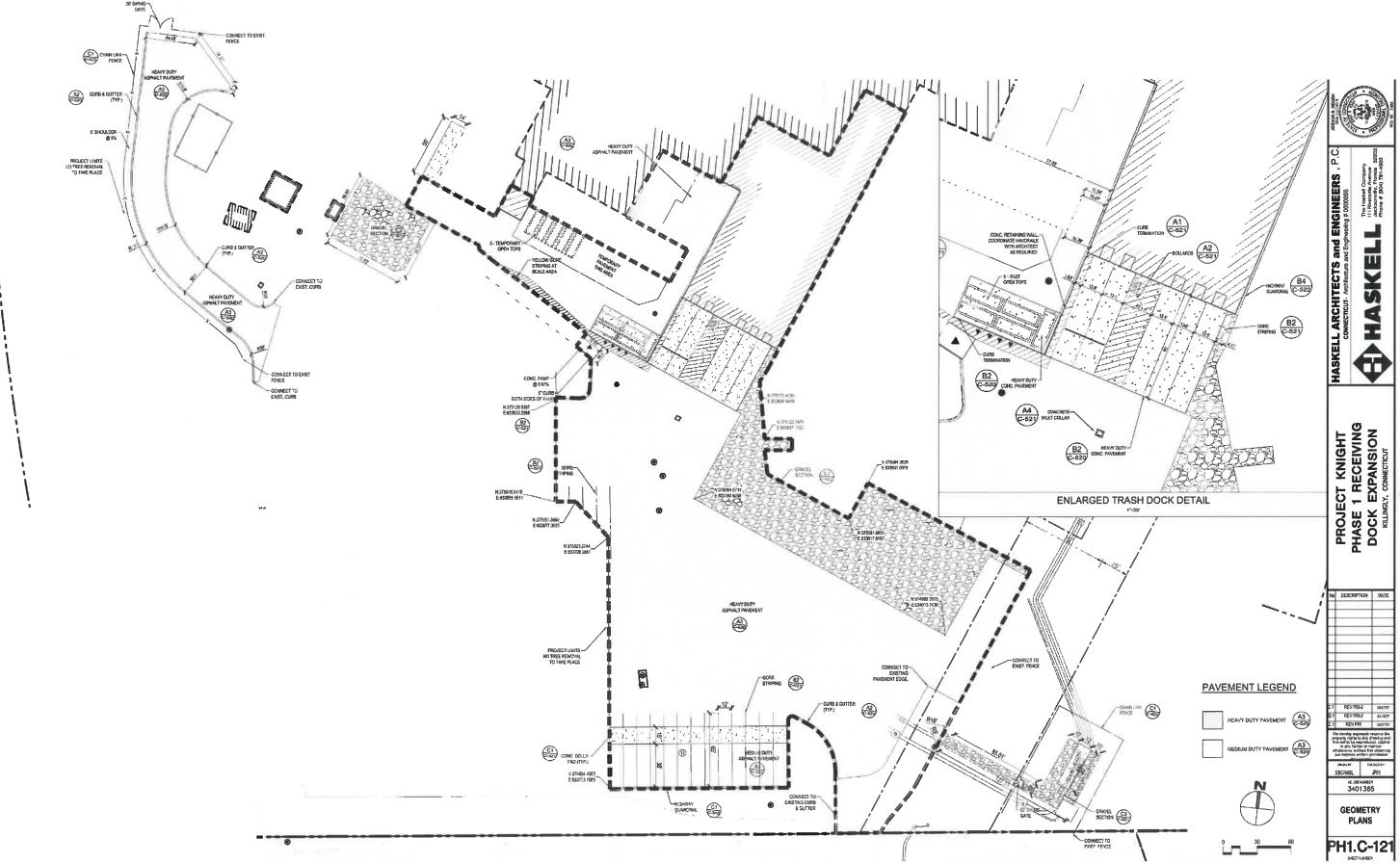




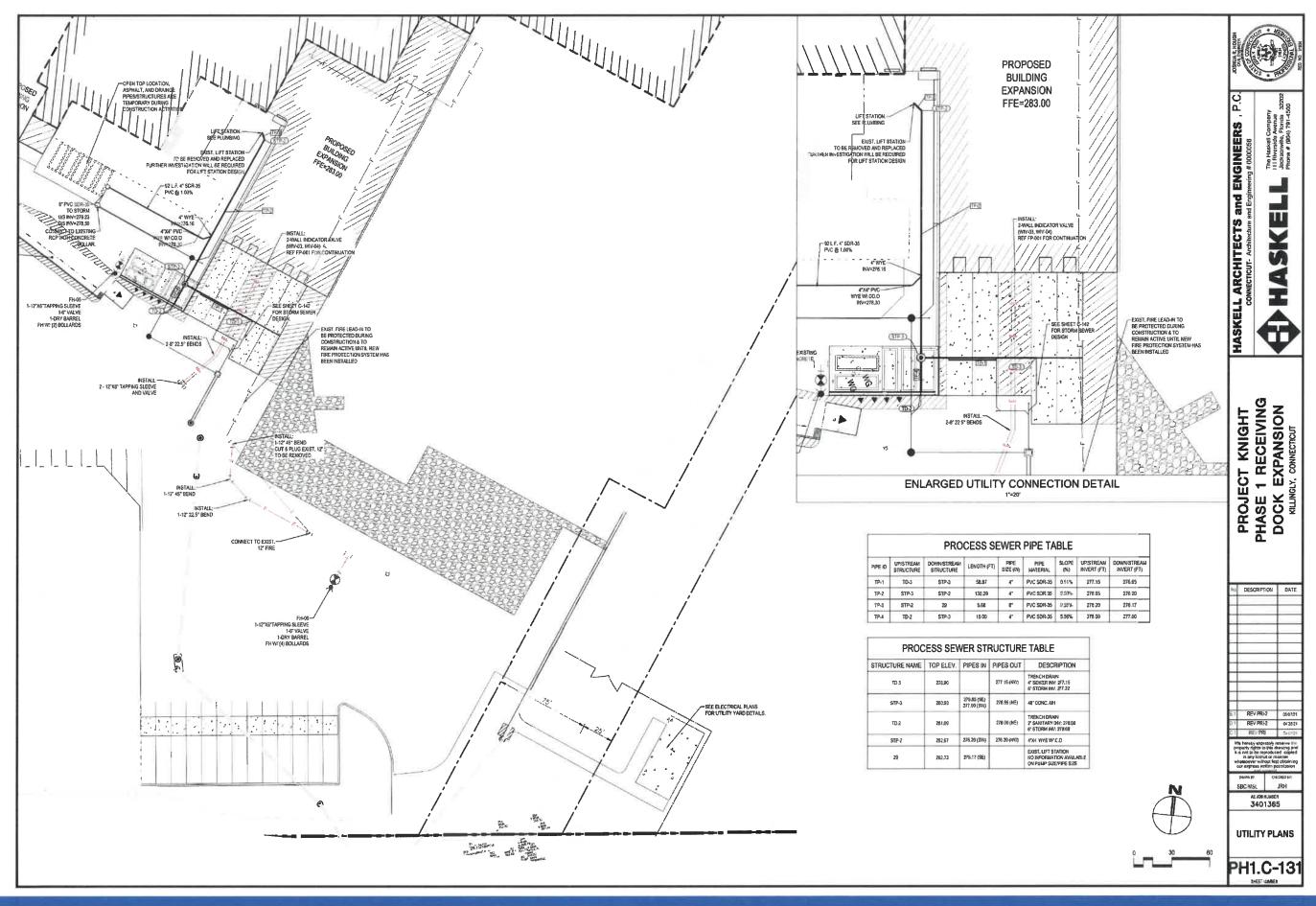




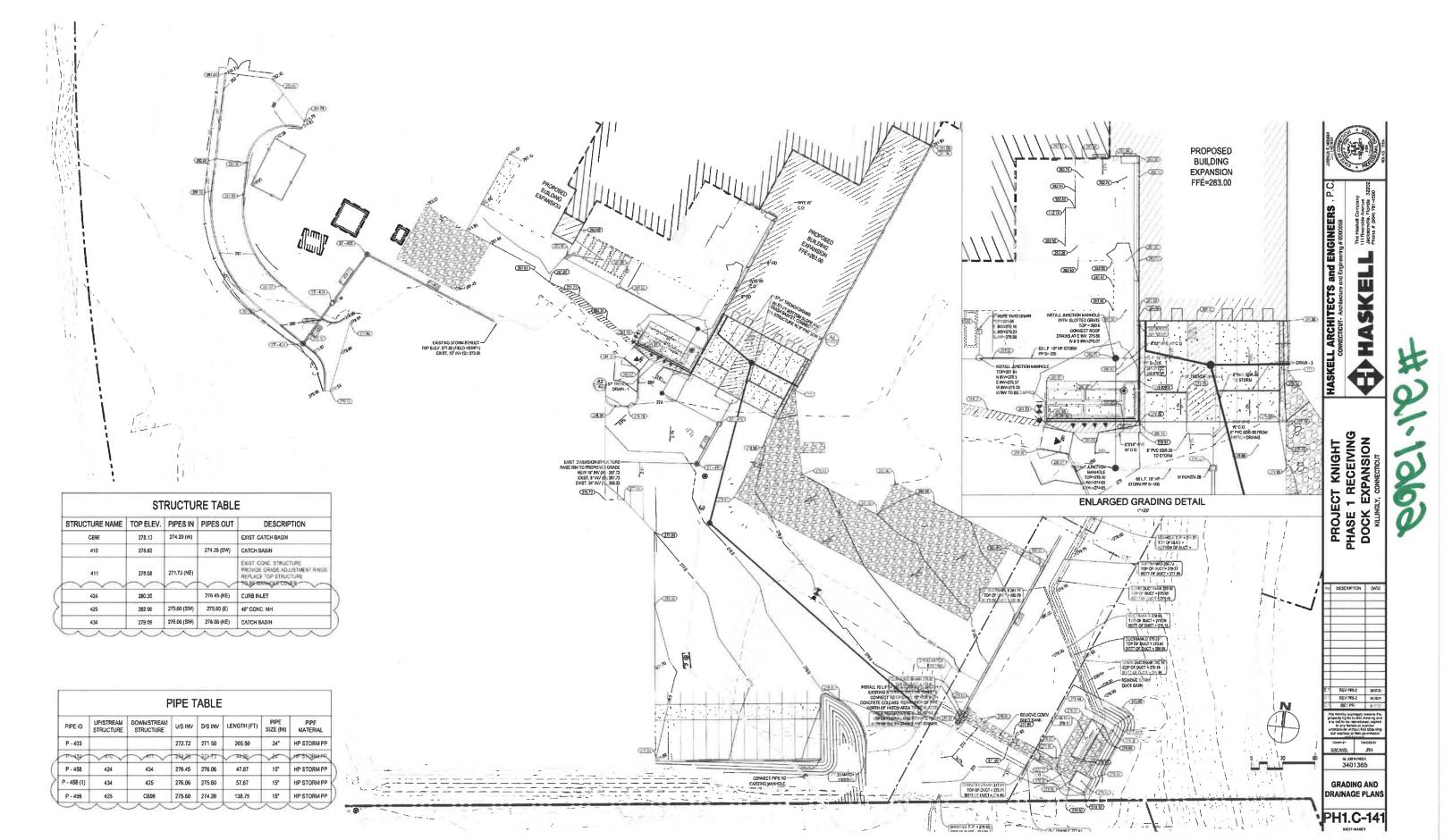




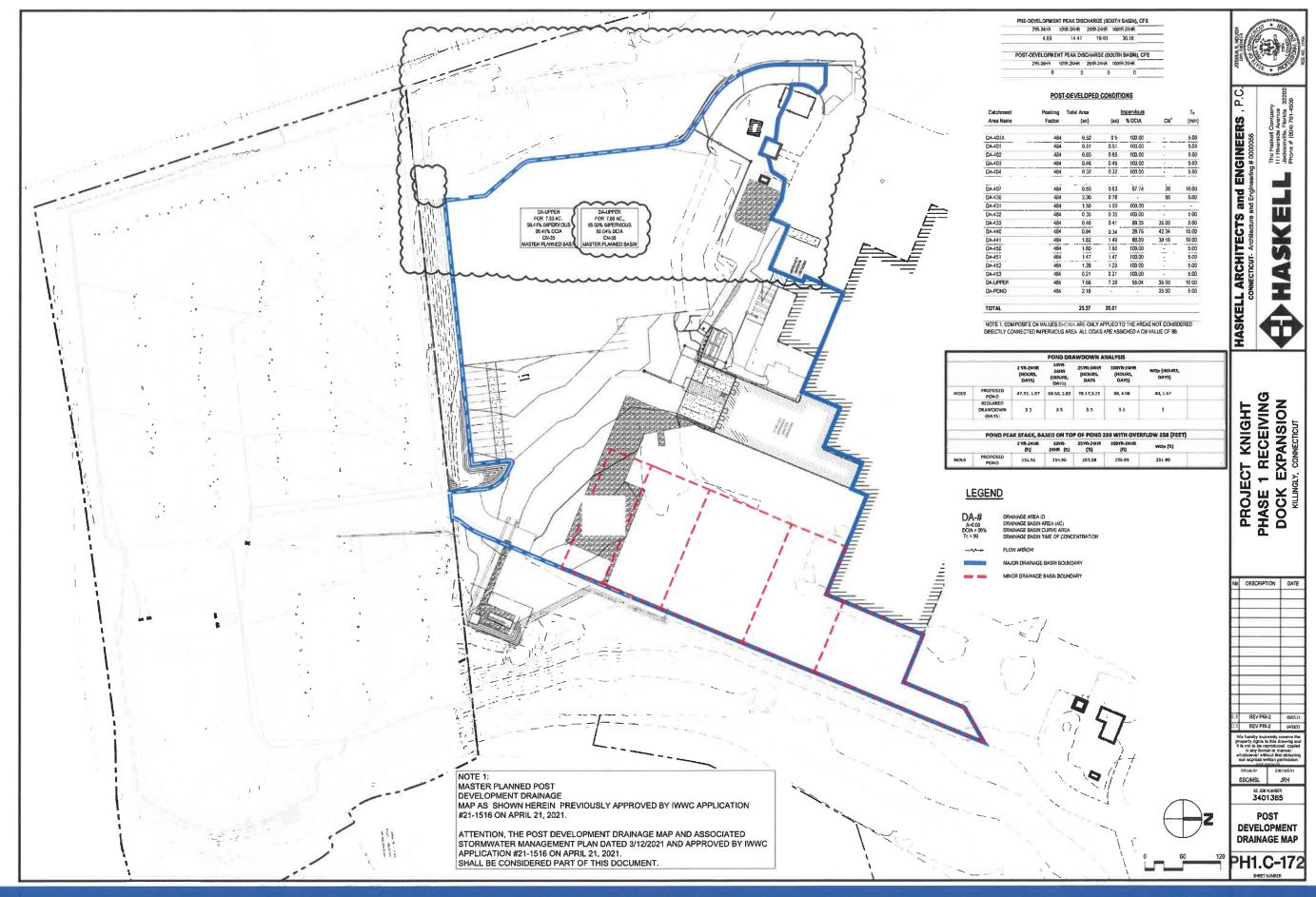




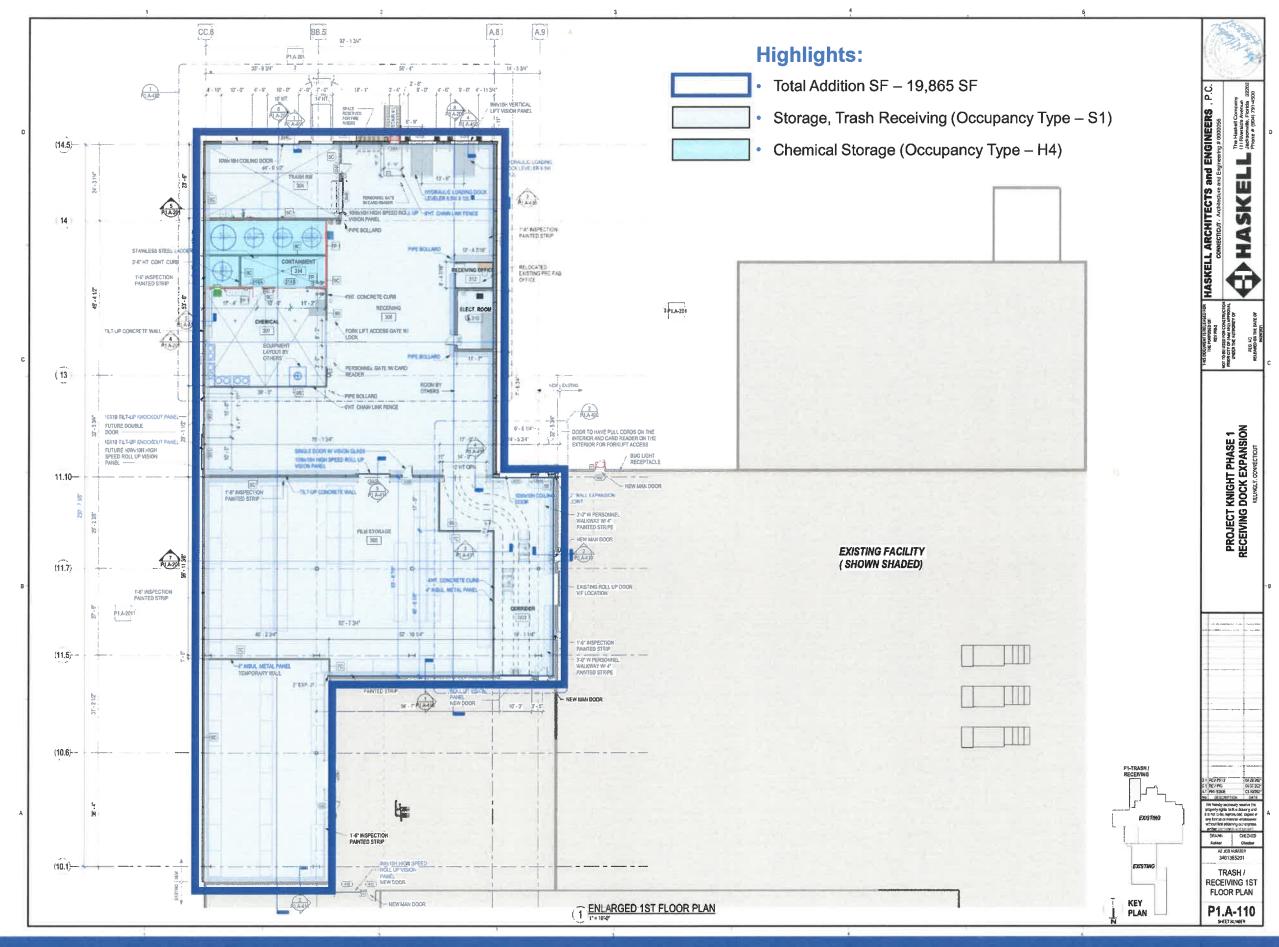




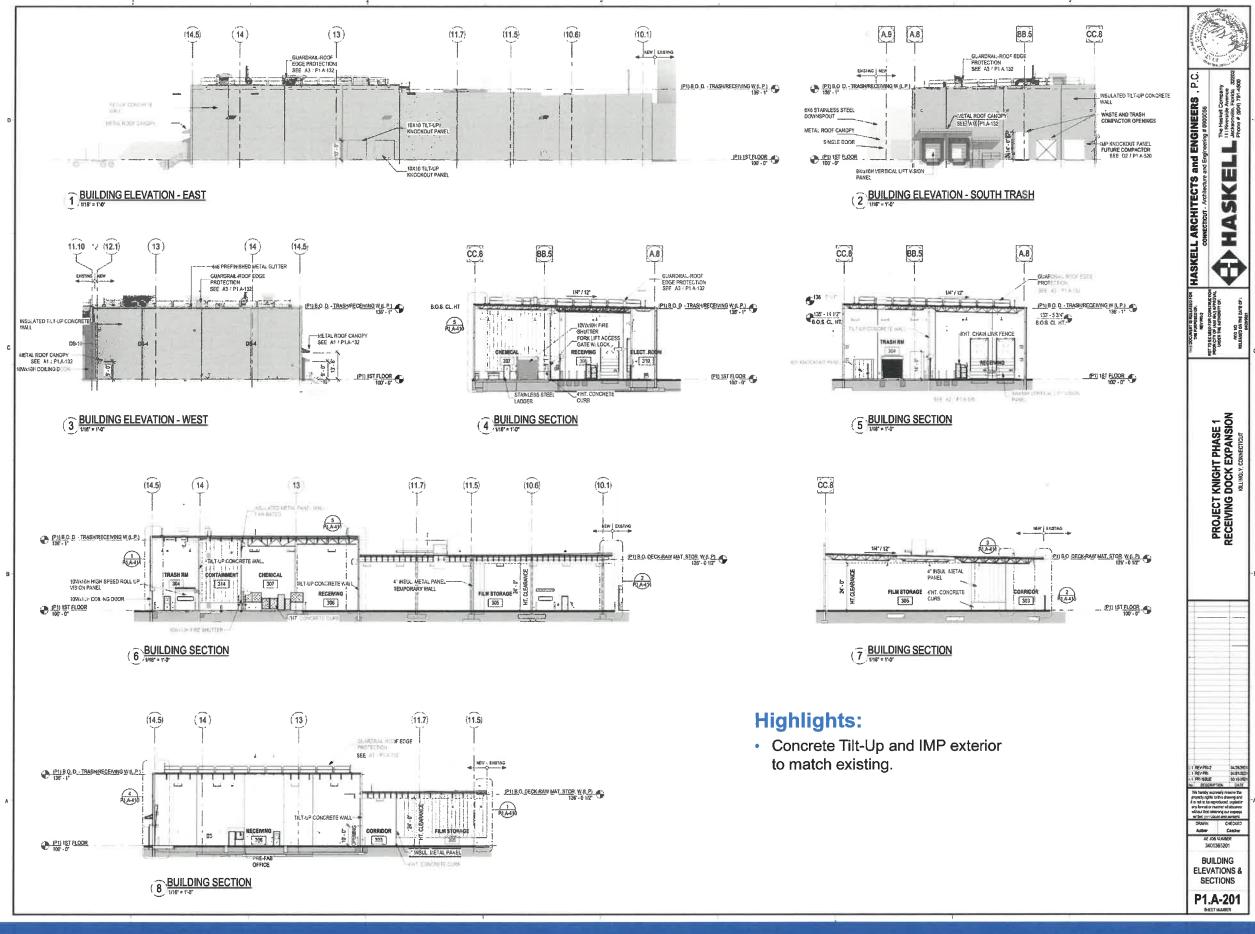














LUMINAIRE SCHEDULE - SITE EXHIBIT								
				INPUT				
TYPE	MFG	CATALOG NUMBER	FIXTURE DESCRIPTION	WATTS	VA	VOLTS	MTG	REMARKS
S1	LITHONIA	RSX2-LED-P2-50k-R4-MVOLT-RPA-DLL127F 1.5 JU	SITE LIGHTING POLE WITH PHOTOCELL(25,329LM)	187 W	187 VA	277 V	35' POLE, 4' BASE, UON	PHASE E
StH	LITHONIA	RSX2-LED-P2-50k-R4-MVOLT-RPA-HS-EGS- DLL127F 1.5 JU	SITE LIGHTING POLE WITH PHOTOCEL AND HOUSE-SIDE SHIELDL(25,329LM)	187 W	187 VA	277 V	20' POLE, 4' BASE, UON	PHASE E
S2	LITHONIA	RSX2-LED-P2-50k-R4-MVOLT-RPA-DLL127F 1.5 JU	SITE LIGHTING POLE WITH PHOTOCELL(50,658LM))(2 HEADS)	374 W	374 VA	277 V	35' POLE, 4' BASE, UON	PHASE E

Highlights:

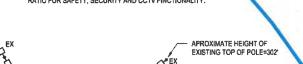
- New S1H Light Fixtures along service road are mounted on 20'-0" poles to be at the same or lower elevation than existing light fixtures.
- Lighting is dark sky compliant. Zero foot candles at property line and beyond.
- No trees are affected by Phase 1 work.

EX





APROXIMATE HEIGHT OF EXISTING TOP OF POLES



MANUFACTURING LOT PROPERTY LINE

LIGHT LEVELS BETWEEN PROPERTY LINE AND RAIL LINE (BEYOND PROPERTY LINE)

LIGHT LEVELS AT PROPERTY LINE

APROXIMATE HEIGHT OF PROPOSED TOP OF POLES



APROXIMATE HEIGHT OF EXISTING TOP OF POLE=298









Light levels range from 0.2 - 5.2 foot candles

- APROXIMATE HEIGHT OF EXISTING TOP OF POLE=306*

APROXIMATE HEIGHT OF

GENERAL NOTES:

- 1. FRITO-LAY CORPORATE CCTV COVERAGE BASED ON 39' ABOVE GRADE FOR POLE LAYOUT IN TRAILER PARKING AREAS AND 24' ABOVE GRADE FOR POLE LAYOUT.
- 2. VEGETATION NOT INCLUDED IN PHOTOMETRIC CALCULATIONS.
- 3. NOT TOP OF POLE (LIMINAIRE) ELEVATIONS RELATIVE TO ABOVE SEA LEVEL.
- 4. PHOTOMETRIC CALCULATIONS PROVIDED USING AGI32 LIGHTING SIMULATION SOFTWARE USING POLE HEIGHTS SHOWN.

DEMOLITION NOTES:

EX, XR = EXISTING SHALL REMAIN

- XD = EXISTING SHALL BE REMOVED
- XS = EXISTING SHALL BE REPLACED WITH NEW DEVICE IN SAME LOCATION
- XN = EXISTING SHALL BE REPLACED WITH NEW DEVICE IN NEW LOCATION
- XM= EXISTING SHALL BE MOVED TO NEW LOCATION
- XP = EXISTING IN RELOCATED LOCATION
- NOTE 1: UNLESS LOCATED WITHIN DEMO AREA, EXISTING ITEMS NOT SHOWN SHALL REMAIN AS INDICATED
- NOTE 2: THE REMOVAL, REPLACEMENT, OR RELOCATION OF EQUIPMENT SHALL BE THE RESPONSABILITY OF THE ELECTRICAL CONTRACTOR, UON.

Zero foot candles at property line and beyond

