Proposed Warehouse Buildings Amherst, New York

AGENCIES

ENGINEERING DEPA	RTMENT	NATURAL GAS
NAME/TITLE: COMPANY/DEPT: ADDRESS:	JEFFERY BURROUGHS, P.E. — TOWN ENGINEER TOWN OF AMHERST ENGINEERING DEPARTMENT 1100 NORTH FOREST ROAD WILLIAMSVILLE NEW YORK 14221	COMPANY/DEPT:. ADDRESS:
		TELEPHONE
TELEPHONE	/16-631-/154	TELEPHONE COMPANY COMPANY/DEPT: ADDRESS:
PLANNING & ZONII	NG DEPARTMENT	
NAME/TITLE: COMPANY/DEPT:	DANIEL HOWARD — PLANNING DIRECTOR TOWN OF AMHERST PLANNING DEPARTMENT 5583 MAIN STREET	TELEPHONE
ADDRESS:	WILLIAMSVILLE, NEW YORK 14221	CABLE COMPANY
TELEPHONE	716-631-7051	COMPANY/DEPT: ADDRESS:
BUILDING DEPT.		TELEPHONE
NAME/TITLE: COMPANY/DEPT.:	BERKE, MARK S. – COMMISSIONER OF BUILDING TOWN OF AMHERST BUILDING DEPT.	ELECTRIC COMPANY
ADDRESS:	AMHERST, NEW YORK 14221	COMPANY/DEPT: ADDRESS:
TELEPHONE	716-631-7080	TELEPHONE
<u>ECDOH</u> NAME/TITLE:		<u>WATER</u> COMPANY/DEPT·
ADDRESS:	503 KENSINGTON AVE BUFFALO, NEW YORK 14214	ADDRESS:
TELEPHONE	716-961-6854	TELEPHONE
<u>NYSDEC</u>		DIG SAFELY NEW YOR
NAME/TITLE: COMPANY/DEPT:	NEW YORK STATE DEPT. OF ENVIRONMENTAL	TELEPHONE
ADDRESS:	CONSERVATION 700 DELAWARE AVE. BUFFALO, NEW YORK 14209	DESIGN CONSUL
TELEPHONE	716-851-7070	PROJECT SURVEYOR NAME/TITLE: COMPANY/DEPT:. GP ADDRESS: AR

TELEPHONE

UTILITIES

OWNER/DEVELOPER

NAME: ADDRESS

CONTACT: TELEPHONE

STEPHENS PLUMBING 5500 MILLERSPORT HIGHWAY EAST AMHERST, NY 14051 **KEVIN STEPHENS** 716-512-9451

NATIONAL FUEL GAS CORP. 6363 MAIN STREET WILLIAMSVILLE, NEW YORK 14221

716-857-7000

VERIZON 65 FRANKLIN STREET BUFFALO, NEW YORK 14203

716-840-8748

TIME WARNER 789 CHURCH ROAD WEST SENECA, NEW YORK

716-558-8615

NATIONAL GRID 144 KENSINGTON AVENUE BUFFALO, NEW YORK 14214

716-236-2738

ERIE COUNTY WATER AUTHORITY 3030 UNION ROAD CHEEKTOWAGA, NEW YORK 14227

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NEW YORK

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CONSULTANTS

GPI ENGINEERING, LANDSCAPE, ARCHITECTURE & SURVEYING, LLP 4950 GENESEE STREET, SUITE 100 BUFFALO, NEW YORK 14225

716-633-4844



CARMINAWOOD DESIGN

November 2024

DRAWING NO.

DRAWING TITLE

-001 -002 -100 -101 -200 -300 -301 -302 -400 -401 -402 -403 -404 -100 -101	COVER SHEET LAND SURVEY (PREPARED BY GPI ENGINEERING) EROSION CONTROL PLAN EROSION CONTROL DETAILS SITE PLAN SITE DETAILS GRADING PLAN STORM DRAINAGE PLAN BASIN DETAILS STORM DRAINAGE DETAILS UTILITY PLAN UTILITY DETAILS UTILITY DETAILS UTILITY DETAILS UTILITY DETAILS LANDSCAPE PLAN LANDSCAPE DETAILS
°—100	LIGHTING PLAN



Proposed Warehouse Buildings

Amherst, New York





SEQUENCE OF MAJOR ACTIVITIES

THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORM WATER MANAGEMENT CONTROL MEASURES. THE FOLLOWING EROSION CONTROL PROCEDURES SHALL BE ADHERED TO BY THE CONTRACTOR: THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS HE SEES FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTIONING REMAINS WITH THE CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

- A. INSTALL STABILIZED CONSTRUCTION ENTRANCE
- B. INSTALL PERIMETER SILT FENCES/SILT SOCK IN THE LOCATIONS SHOWN ON THE DEMOLITION AND EROSION CONTROL PLAN SHEET.
- C. CLEAR & GRUB SITE.
- D. INSTALLATION OF DETENTION BASIN.
- E. COMMENCE SITE GRADING.
- F. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
- G. CONSTRUCTION OF BUILDINGS.
- H. INSTALLATION OF PROPOSED UTILITIES.
- I. FINALIZE PAVEMENT SUBGRADE PREPARATION.
- J. CONSTRUCT ALL CURB, DRAINAGE INLETS, STORM SEWER PIPES AND STORM SEWER MANHOLES, AS SHOWN ON PLANS. INSTALL TEMPORARY INLET PROTECTION AT THE LOCATION OF ALL INLETS.
- K. DUCT CONTROL.
- L. REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
- M. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.

JA

- N. CARRY OUT FINAL GRADING AND SEEDING AND PLANTINGS.
- O. CLEAN STORM SYSTEM FOLLOWING CONSTRUCTION, CLEAN UNDERGROUND DETENTION BASIN AS PER MANUFACTURER RECOMMENDATIONS.
- P. REMOVE SILT FENCE/SILT SOCK ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.
- Q. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS.

 $\langle \mathbf{x} \rangle$

- REMOVE EX. METAL GATE

METAL GATE

34.01'

= SEE DEMO NOTE 7

ABANDON EXISTING SEPTIC SYSTEM PER -----TOWN & NYSDOH REQUIREMENTS

AND RAIL FENCE

- REMOVE EX. POST AND RAIL FENCE

ABANDON EXISTING WATER LATERAL -----

PER TOWN & ECWA REQUIREMENTS

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DEMOLITION NOTES:

- 1. ALL PERIMETER SILT SOCK TO BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY BEGINNING.
- 2. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THOSE ITEMS TO REMAIN, SUCH AS TREES, PROPERTY CORNER PINS, UTILITY POLES, VALVES, HYDRANTS, CURBS, MANHOLES AND CATCH BASINS.
- 3. TEMPORARY SILT SOCK TO BE INSTALLED AS DIRECTED BY THE OWNERS FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
- 4. AS NECESSARY, COVERED DUMPSTERS SHALL BE PROVIDED ONSITE AS REQUIRED FOR CONSTRUCTION WASTE.
- 5. REMOVE ALL TREES AND STUMPS AS SHOWN AND DISPOSE OF OFF SITE. CONTRACTOR TO PROTECT ALL TREES/BRUSH NOT DISTURBED BY CONSTRUCTION ACTIVITY. LOCATIONS OF TREES SHOWN ON PLAN ARE APPROXIMATE, CONTRACTOR TO CONFIRM LOCATION PRIOR TO CONSTRUCTION.
- 6. CONTRACTOR TO COORDINATE WITH TOWN LANDSCAPE ARCHITECT WHICH TREES SHALL BE REMOVED AND WHICH SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION.
- 7. EXISTING CURB AND REMOVAL OF EXISTING ENTRANCE SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE, EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.

INSTALL TEMPORARY SILT SOCK TO LIMITS SHOWN. CONTRACTOR TO MAINTAIN UNTIL SOIL IS STABILIZED, TYP

C PUMP

SEP TIC

SF

F FOUNDATION WALL ILTVE

- NOTE: INSTALL PROPOSED DETENTION BASIN. REMOVE SILT BUILD UP TO DESIGN GRADES UPON COMPLETION OF CONSTRUCTION

2L ----- 2L --

INSTALLATION OF BIORETENTION SOIL SHALL NOT OCCUR UNTIL THE TRIBUTARY AREA IS STABILIZED. INSTALL ADDITIONAL SILT FENCE/SOCK AROUND BIORETENTION AREA AS REQUIRED TO PREVENT SILT/TOPSOIL

FROM ENTERING THE BIORETENTION

AREA.

GRASS AREA

REMOVE EX. POST -

AND RAIL FENCE

10" WATER MAIN TOP OF DITCH

EDGE OF PAVEMEN

SOLID WHITE LINE

DASHED WHITE LINE

SOLID YELLOW LINE DASHED YELLOW LINE

— 2E —

POST AND RAIL FENC

1.

EX. DRIVEWAY TO BE USED AS CONSTRUCTION ENTRANCE ONLY UNTIL DRIVEWAY IS NO LONGER OPERABLE DUE TO SEQUENCE OF CONSTRUCTION. THEN CONTRACTOR SHALL INSTALL A NEW STABILIZED CONSTRUCTION

ENTRANCE AS NECESSARY, LOCATION TO BE COORD. IN FIELD

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MILLERSPORT (130' WIDE) HIGHWAY N.Y. RTE. 263



- INSTALL TEMPORARY SILT SOCK BARRIERS AS DIRECTED BY THE OWNER AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO 1. PREVENT SEDIMENT MIGRATION. ALL SILT SOCK BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
- 2. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR RE-USE AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE OF TOPSOIL MUST BE FOLLOWED. TOPSOIL MAY NOT BE REMOVED WITHOUT A PERMIT.
- 3. ALL SILT SOCK BARRIERS SHALL BE REPLACED WHEREVER THEY BECOME CLOGGED OR INOPERABLE.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.
- 5. THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER-SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR, AND SPREAD WATER AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.
- DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED AND ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
- 7. ALL DISTURBED AREAS (EXCEPT AREAS TO BE PAVED OR BUILT UPON) SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH AND SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE AND AS SOON AS PHYSICALLY POSSIBLE.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES, AND CULVERTS. SILT BUILDUP FOUND TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE TOWN/CITY.
- 9. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION, AS DIRECTED BY THE ENGINEER.
- 10. INSTALL TEMPORARY SILT SOCK AROUND THE BASE OF STOCKPILES. STOCKPILES NOT BEING ACTIVELY USED FOR MORE THAN SEVEN (7) DAYS SHALL BE STABILIZED.
- 11. THE PROFESSIONAL CERTIFYING COMPLIANCE TO NYSDEC PHASE II STORMWATER REGULATION REQUIREMENTS MUST INSPECT AT A MINIMUM WEEKLY, AND WHEN DISTURBING MORE THAN 5 ACRES TWICE A WEEK, AND SHALL PROVIDE THESE INSPECTION REPORT WITH A WRITTEN CERTIFICATION OF CONSTRUCTION COMPLIANCE TO THE TOWN OF AMHERST (BI)WEEKLY.
- 12. THE ENGINEER OF RECORD FOR THIS PROJECT CERTIFIES THAT THESE DESIGN PLANS MEET THE REQUIREMENTS AND ARE IN COMPLIANCE WITH THE NEW YORK STORMWATER MANAGEMENT DESIGN MANUAL AND NYSDEC PHASE II STORMWATER REGULATION REQUIREMENTS.

RESTORATION NOTES

- 1. THE ADJACENT AREAS DISTURBED OR DAMAGED DURING CONSTRUCTION MUST BE RESTORED IN KIND TO THE SATISFACTION OF THE OWNER.
- 2. WHEN RESTORING LAWN AREAS ADJACENT TO NEW CONSTRUCTION, ON-SITE MATERIAL MAY BE USED TO BACKFILL THE AREA WITHIN SIX INCHES OF THE FINISHED SURFACE. ON-SITE MATERIAL SHALL BE THOROUGHLY COMPACTED & FREE OF GRASS CLUMPS, TREE ROOTS PIECES OF ASPHALT & OTHER EXTRANEOUS MATERIALS, & STONES LARGER THAN 1 INCH IN SIZE.
- 3. ALL DISTURBED UN-SURFACED AREAS SHALL RECEIVE FOUR INCHES OF TOPSOIL, SEED & MULCH & SHALL BE WATERED UNTIL A HEALTHY STRAND OF GRASS IS OBTAINED.
- 4. WHEN ADJACENT ASPHALT, CONCRETE OR PAVING STONE AREAS ARE DISTURBED AS PART OF THE CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO REPLACE THE DAMAGED OR EXCAVATED AREA. THE PERIMETER OF THE DISTURBED AREA SHALL BE SAW CUT FULL DEPTH, SO THAT ALL LINES ARE STRAIGHT & TRUE. PAVING STONES SHALL BE REPLACED IN WHOLE UNITS ONLY, & ALL REPLACEMENT PAVING STONES ARE TO MATCH THE EXISTING ONES IN SIZE, SHAPE & COLOR. ASPHALT SHALL BE COMPACTED TO A SMOOTH FINISH & SHALL BE FLUSH WITH THE EXISTING ADJACENT AREA THAT IS TO REMAIN.

GENERAL NOTES

- 1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF AMHERST SPECIFICATIONS WHERE APPLICABLE AND/OR SUBJECT TO THE LATEST REVISIONS BY THE TOWN ENGINEER.
- 2. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL LOCATIONS BEFORE BEGINNING WORK AS REQUIRED BY APPLICABLE LAWS & REGULATIONS.
- 3. ALL FILL WITHIN THE RIGHT-OF-WAY & UTILITY AREAS IS TO BE COMPACTED TO 95% MOD-PROCTOR, BENCHED IN 6" LIFTS, & TO BE COMPLETED PRIOR TO UTILITY & ROADWAY CONSTRUCTION.
- 4. STUMPS & BRUSH SHALL NOT BE BURIED IN THE TOWN.
- 5. ANY AREAS NOT REQUIRING FILL OR RE-GRADING SHALL NOT BE STRIPPED OF TOPSOIL.
- 6. ALL AREAS THAT HAVE BEEN STRIPPED ARE TO RECEIVE A MINIMUM OF 4-INCHES OF TOPSOIL, GRADED & SEEDED.
- 7. NO TOPSOIL IS TO LEAVE THE SITE AFTER THE TOWN RECEIVES DEDICATION.



DEMO & EROSION CONTROL LEGEND: INSTALL STORM DRAINAGE INLET PROTECTION REMOVAL OF GRAVEL PARKING LOT / ASPHALT PAVEMENT ;|;|;|! REMOVAL OF EX. BUILDINGS REMOVAL OF EX. UTILITIES REMOVAL OF EX. FENCE REMOVAL OF EX. TREE OR STRUCTURE

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



		CARMINAWOOD	DESIGN	Buffalo Utica Greensboro
		Proposed warehouse buildings	5500 Millersport Highway	Amnerst, New York
REVISIONS:	No. Description Date			
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DRAWING NAME:
Demolition &
Erosion Control
Plan

Date: Drawn By: Scale: DRAWING NO.



11/20/24

C. Wood







- GRADES AND LOCATIONS SHOWN IN THE PLAN. 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELE∨ATION OF THE TOE OF THE UPSTREAM DAM.
- 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.

STONE CHECK DAM DETAIL

- 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.



WOVEN FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" 1. OR "U" TYPE OR HARDWOOD.

CONSTRUCTION SPECIFICATIONS

- 2. 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.
- 3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL NOT TO SCALE



MAXIMUM DRAINAGE AREA 1 ACRE

4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.



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" x 4" 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.

- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- 6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUN DRAINAGE AREA 1 ACRE



INLET PROTECTION DETAIL 1

NOT TO SCALE

INLET PROTECTION DETAIL 2

NOT TO SCALE

NOTE: INSTALL ONE OF THE INLET PROTECTION OPTIONS SHOWN PRIOR TO CONSTRUCTION

SILT SOCK DETAIL NOT TO SCALE

> Date: Drawn By: Scale: DRAWING NO.

Project No:





DETAIL LEGEND SEE SITE DETAIL SHEET

1 TYPE "A" CONCRETE CURB

- 2 STANDARD DUTY ASPHALT
- 3 90° PARKING STALL
- 4 HANDICAPPED PAVEMENT MARKINGS
- (5) HANDICAPPED PARKING SIGN, MOUNTED ON BUILDING
- 6 PAINTED TRAFFIC ARROWS
- $\overline{7}$ LIGHT POLE FOUNDATION
- 8 DUMPSTER ENCLOSURE
- 9 PIPE BOLLARDS
- (10) EXTERIOR CONCRETE SLAB-ON-GRADE
- (11) CONCRETE SIDEWALK

- NOTE LEGEND
- Δ EDGE OF PAVEMENT
- 2 RUNOUT CURB IN 2' OR MATCH EXISTING CURB
- 3 SAWCUT LINE, MATCH EXISTING EDGE OF PAVEMENT

INSTALL "NO PARKING" SIGN, M.U.T.C.D. SIGN NO. P1-1C

5 LANDSCAPED AREA - SEE LANDSCAPE PLAN, IF NO PLANTINGS, INSTALL TOPSOIL & SEED

✓ 4" WIDE WHITE PAVEMENT STRIPES @ 2' O.C. & @ 45° TO PARKING LINES

	ZONED: CS (COMMERCIAL SERVICE)		
	BUILDING: PROPOSED 11,350 SF WAREHOUSE BUILDING & 6,500 SF /	Mixed use Building	
	FRONT	<u>REQUIRED</u> 20 FT	PROVIDED 35.08 FT
	SIDE (ABUTTING RESIDENTIAL) REAR (ABUTTING RESIDENTIAL)	50 FT 50 FT	50 FT 328 61 FT
	SETRACKS - PARKING	ווטכ	520.0111
	FRONT	10 FT	18 FT
	SIDE REAR	15 FT	26.5 FT
	PAPKING	15 FT	> 15 FT
	# OF SPACES - SEE CALCULATION BELOW	33	33
	PARKING SPACE SIZE	9' x 19'	9' x 19'
			(1 0 FT
K I		40 F I	< 40 F1
	LANDSCAPING INTERIOR PARKING AREA (5%, 5,643 SF OF PARKING AREA)	282 SF	334 SF
	15% OF OVERALL SITE	0.75 ACRES	0.78 ACRES
	PARKING CALCULATION:]
	WAREHOSUE:		
K The K	KEQU = 1 SPACE PER 1,000 G.S.F OR 1 SPACE PER EMPLOYEE		
	= (15,250 SF / 1,000 SF) * 1 SPACE = <u>16 SPACES REQ'D</u>		
X MLY IAI	REQ'D = 1 SPACE PER 200 G.S.F		
$\mathcal{A} = \mathcal{A} = $	= (2,600 SF / 200 SF) * 1 SPACE = <u>13 SPACES REQ'D</u>		
	APARTMENTS: REQ'D = 2 SPACES PER DWELLING UNIT		
	= 2 DWELLING UITS* 2 SPACES PER DWELLING UNIT = 4 SPACES REO'D		
STORMWATER	TOTAL # OF PARKING SPACES = 16 SPACES + 13 SPACES + 4 SAPCES =	33 PARKING SPACES REQ'D	
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Image: Construction of the co	PROPOSED 6,500 GSF MIX USE BUILDING (2,600 SF OFFICE, 3,900 SF WAREHOUSE, 2 APARTMENT UNITS) TYP.		
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Image: Construction of the consthe construction of the construction of the construction o	PROPOSED 6, 500 GSF MIX USE BUILDING (2, 600 SF OFFICE, 3, 900 SF WAREHOUSE, 2 APARTMENT UNITS) 2 2 2 2		

MILLERSPORT (130' WIDE) HIGHWAY N.Y. RTE. 263



GENERAL NOTES:

- 1. INSTALL ALL MATERIALS TO MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARDS OF TRADE INVOLVED.
- 2. SUBSTITUTIONS SHALL BE MADE ONLY WITH OWNER'S APPROVAL AND BE OF EQUIVALENT QUALITY TO WHAT IS SPECIFIED.
- 3. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND OSHA SAFETY RULES AND REGULATIONS.
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. NOTIFY OWNER & ENGINEER OF DISCREPANCIES IN CONDITIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY EXISTING STRUCTURES TO REMAIN AND ANY FINISH MATERIAL INSTALLED WHILE WORKING ON OTHER COMPONENTS.
- 6. CONTRACTOR SHALL KEEP JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO SATISFACTION OF OWNER.
- CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION SO THAT THIS WORK WILL NOT DISTURB EXISTING LINES AND/OR INSTALLATIONS. COORDINATE ALL WORK WITH THE APPLICABLE UTILITY COMPANIES.
- 8. ALL OTHER PERMITS REQUIRED BY STATE OF NEW YORK, COUNTY OF ERIE, AND TOWN OF AMHERST ARE THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER/OWNER.
- 9. EXISTING CURB AND REMOVAL OF EXISTING ENTRANCE SHALL BE SAW CUT FULL-DEPTH AND NEATLY REMOVED FROM THE BACKSIDE, EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.

SITE NOTES:

- 1. ALL RADII SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
- 2. ALL DISTURBED AREAS: SHALL HAVE 4" MIN. OF TOPSOIL AND SEED.
- 3. ALL DIMENSIONS FROM PROPERTY LINES SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE.
- 4. CENTER ENTRANCE SIDEWALKS ON DOOR OPENINGS.
- 5. BUILDING DIMENSIONS ARE APPROXIMATE, REFER TO ARCHITECTURAL DRAWINGS FOR LAYOUT DIMENSIONS.



SITE LEGEND	
PROPERTY LINE	
PROPOSED CONCRETE CURB	
PROPOSED SIDEWALK / CONCRETE PAD	
NUMBER OF PARKING SPACES	27)
PROPOSED SIGN	▼
PROPOSED STANDARD DUTY ASPHALT PAVEMENT	
PROPOSED LIGHT POLE	-Å-
PROPOSED WALL MOUNTED LIGHT	- <u>b</u> -

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.





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DRAWING NAME: Site Plan Concept

Date: Drawn By: Scale: 11/20/24 C. Wood As Noted







5. ALL HARDWARE TO BE HOT DIPPED GALVANIZED STEEL TO SUIT GATE SIZE.



CONCRETE SIDEWALK - 11





PROPOSED GRADING LEGEND					
PROPOSED CONTOUR	—— 101 ——				
PROPOSED SPOT ELEVATION	100.80				
PROPOSED TOP/BOTTOM OF CURB ELEV.	TC 100.50 BC 100.00				
PROPOSED CATCH BASIN	CB				
PAVEMENT/GROUND SLOPE					

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.





<u>DRAWING NAME:</u> Grading Plan

Date: Drawn By: Scale: 11/20/24 C. Wood As Noted







PROPOSED STORM/UTILITY LEGEND					
PROPOSED STORM SEWER	ST				
PROPOSED SANITARY SEWER	— 6" SA —				
PROPOSED WATERLINE	1" W				
PROPOSED CATCH BASIN	СВ				
SELECT FILL					
PROPOSED GATE VALVE	⊕ GV				

NOTE: FOR PROPOSED VALVE BOXES, CLEANOUTS, ETC., INSTALL A 3,000 PSI CONCRETE COLLAR AROUND THE ITEM AT GRADE. THE COLLAR SHALL BE A MINIMUM OF 6" WIDER, ON ALL SIDES, THAN THE BOX, CLEANOUT, ETC. THE COLLAR SHALL BE A MINIMUM OF 6" THICK.

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS, CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

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DRAWING NAME: Storm Drainage Plan

11/20/24 Date: Drawn By: C. Wood Scale: As Noted DRAWING NO. **C**-`





DRAWING NO. Project No: 24.4019

Date: Drawn By: Scale:



TYPICAL PIPE OUTLET W/ END SECTION & RIP RAP NOT TO SCALE

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LAMPHOLE/CLEANOUT IN LAWN/FIELD AREAS NOT TO SCALE

TYPICAL PRECAST CATCH BASIN NOT TO SCALE

BE SURROUNDED WITH 4" MIN. NYSDOT NO.1 WASHED STONE OR GRAVEL ON ALL SIDES, SLOPE OF PIPE SHALL MATCH SUBGRADE SLOPE (TYP. ON 4 SIDES OF CB, NOT REQUIRED ON SIDES WHERE PIPES ENTERING/EXITING HAVE 2' OR



Date: Drawn By: Scale:







MILLERSPORT (130' WIDE) HIGHWAY N.Y. RTE. 263



SEPTIC SYSTEM DESIGN ELEVATIONS BUILDING #1 SLAB ELEVATION = 587.00 SEWER INVERT @ BUILDING #1 = 582.50 (4.5' OF COVER) * BUILDING #2 SLAB ELEVATION = 587.00 SEWER INVERT @ BUILDING #2 = 582.50 (4.5' OF COVER) *

S.T. 1 INVERT IN = 580.78 S.T. 1 INVERT OUT = 580.53 S.T. 2 INVERT IN = 582.25 S.T. 2 INVERT OUT = 582.00 D.B. 1 INVERT IN = 578.27 D.B. 1 INVERT OUT = 578.17 I.T. INVERT IN/OUT = 575.16 P.T. INVERT IN = 575.10 P.T. INVERT OUT = 581.00 D.B. 2 INVERT IN = 586.88 D.B. 2 INVERT OUT = 586.78

SEPTIC SYSTEM LEGEND: S.T. = SEPTIC TANK P.T. = PUMP TANK D.B. = DISTRIBUTION BOX I.T. = INSPECTION TANK

UTILITY NOTES:

- 1. FOR ALL SANITARY SEWERS, INSTALL SELECT FILL IN PAVED AREAS, EXTEND 5' MIN. BEYOND PAVEMENT LIMITS
- 2. BUILDINGS TO HAVE INVERT ELEVATION 5' MIN. BELOW F.F.E. OF THE BUILDING. PIPE TO BE 6" SDR-35 PVC @ 1.0% MIN. WITH MIN 4.5' OF COVER.
- 3. COORDINATE GAS & ELEC. METER BANK LOCATIONS ON BUILDINGS WITH M.E.P. PLANS & UTILITY CO.'S.
- 4. COORDINATE LOCATION OF CTV & TELEPHONE SERVICE TO BUILDINGS WITH M.E.P. PLANS AND UTILITY CO.'S.
- 5. ANY EXISTING UTILITIES WHICH ARE TO BE ABANDONED AND FALL UNDER PAVEMENT OR BUILDINGS SHALL BE REMOVED VS. BEING ABANDONED UNLESS THOSE UTILITIES ARE FILLED WITH FLOWABLE FILL.
- 6. A MINIMUM OF 10 FEET HORIZONTAL AND 18 INCHES OF VERTICAL SEPARATION MUST BE MAINTAINED BETWEEN ALL SANITARY SEWER AND WATER SERVICES.
- 7. SELECT BACKFILL IS REQUIRED FOR ALL UTILITIES (GAS, WATER, STORM, SANITARY) THAT CROSS THROUGH CONCRETE AND ASPHALT PAVEMENT AREAS.

PROPOSED STORM/UTILITY LEGEND					
PROPOSED STORM SEWER	ST				
PROPOSED SANITARY SEWER	6" SA				
PROPOSED WATERLINE	1" W				
PROPOSED CATCH BASIN	CB				
SELECT FILL					
PROPOSED GATE VALVE	⊕ GV				

NOTE: FOR PROPOSED VALVE BOXES, CLEANOUTS, ETC., INSTALL A 3,000 PSI CONCRETE COLLAR AROUND THE ITEM AT GRADE. THE COLLAR SHALL BE A MINIMUM OF 6" WIDER, ON ALL SIDES, THAN THE BOX, CLEANOUT, ETC. THE COLLAR SHALL BE A MINIMUM OF 6" THICK.

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS,



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REVISIONS: No. Description

DRAWING NAME: Utility Plan

11/20/24 Date: Drawn By: C. Wood Scale: As Noted DRAWING NO.



CARMINA WOOD DESIGN ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



SAND FILTER PLAN NOT TO SCALE

SAND FILTER NOTES:

1. ALL SAND SHALL BE UNIFORM COARSE TO MEDIUM SAND (< 4% PASSINF #200 SIEVE), ALL PASSING 1/4 INCH SIEVE, HAVE A EFFECTIVE GRAIN SIZE (EGS) BETWEEN 0.25 - 1.00 mm, AN UNIFORMITY COEFFICIENT (UC) <= 4

2. IF A HDPE LINER IS USED, SEAL PENETRATIONS AND SEAMS WATER TIGHT

3. TOP OF SAND FILTER SHALL BE SLOPED TO DRAIN, AREAS AROUND THE FILTER SHALL BE GRADED TO DIVERT WATER AWAY

4. ALL HEAVY EQUIPMENT SHALL BE KEPT OFF THE SAND FILTER AREA FOLLOWING CONSTRUCTION.

5. depending on depth of high water mark or bedrock or the existing topography, the entire filter may be adjusted up or down. all required clearances and minimum slopes must be maintained. if adjustments are made to the filter, the engineer shall be notified prior to start of installation.





SAND FILTER SECTION B-B SCALE: N.T.S.



MOUND NOTES:

1. TOP OF MOUND SHALL BE SLOPED TO DRAIN, AREAS AROUND THE BASE OF THE MOUND SHALL BE GRADED TO DIVERT WATER AWAY FROM THE MOUND.

2. SLOPE UNDER MOUND SHALL FOLLOW SLOPE OF EXISTING GRADE, EITHER SIDE TO SIDE OR LONGITUDINAL TO FACILITATE DRAINAGE (SHOWN AS SIDE TO SIDE FOR ILLUSTRATION PURPOSES).

3. ALL HEAVY EQUIPMENT SHALL BE KEPT OFF THE MOUND AREA FOLLOWING CONSTRUCTION. IN ADDITION, NO EQUIPMENT SHALL BE ALLOWED IN THE MOUND AREA FOLLOWING PLOWING OF THE EXISTING SOIL.

4. MOUND SHALL BE ELEVATED AS REQUIRED TO PROVIDE A MINIMUM OF 2' OF NATURAL SOIL ABOVE BEDROCK AND A MINIMUM OF 1' ABOVE THE HIGH GROUND WATER ELEVATION.

5. THE SLOPE OF THE ORIGINAL GROUND SURFACE IN THE LOCATION OF THE MOUND SHALL NOT EXCEED 12%. THE SYSTEM SHALL BE ORIENTED TO RUN PARALLEL WITH THE NATURAL SITE CONTOURS.

6. THE ABSORPTION BED SAND SHALL MEET THE FOLLOWING CRITERIA:

- A. < 10% PASSING #200 SIEVE B. => 25% PASSING #35 SIEVE TO #10 SIEVE
- C. < 15% PASSING 1/2 SIEVE
- D. PERCOLATION RATE OF BETWEEN 5 30 MIN/INCH E. E.G.S. BETWEEN 0.15 - 0.30 MM
- F. U.C. BETWEEN 4 6
- G. TEST RESULTS TO BE SUBMITTED TO ENGINEER FOR APPROVAL

NOTE: ASTM C33 WASHED CONCRETE SAND WILL TYPICALLY MEET THE ABOVE SUGGESTED MOUND SAND CRITERIA AND WILL TYPICALLY BE AVAILABLE AT MOST SAND AND GRAVEL DISTRIBUTORS; HOWEVER, THIS MATERIAL WILL OFTEN HAVE A PERC RATE FASTER THAN THE MINIMUM OF 5 MINUTES PER INCH. THE PERCOLATION RATE SHALL BE VERIFIED AND TAKE PRECEDENCE TO THE FILL GRADATION REQUIREMENTS WHEN A MOUND IS PLACED OVER VERY SLOW PERCOLATING SOIL TO AVOID RAPID WEEPING OF FLUIDS AT THE GROUND SURFACE.

7. THE NATURAL VEGETATION SHALL NOT BE SCRAPED AWAY WITH THE EXCEPTION OF TREES, STUMPS AND EXCESSIVE VEGETATION. THE PROPOSED MOUND AREA SHALL BE PLOWED TO A DEPTH OF 7" - 8" PREFERABLY WITH A DOUBLE-BOTTOM BLADE/FURROW PLOW WITH TURNED UPSLOPE OR A BACKHOE EQUIPPED WITH PLOWING BLADES. ALL TRAFFIC SHALL BE EXCLUDED FROM THE MOUND AREA FOLLOWING PLOWING.

8. DEPENDING ON DEPTH OF HIGH WATER MARK OR BEDROCK, THE ENTIRE MOUND MAY BE ADJUSTED UP OR DOWN. ALL REQUIRED CLEARANCES AND MINIMUM SLOPES MUST BE MAINTAINED. IF ADJUSTMENTS ARE MADE TO THE MOUND, THE ENGINEER SHALL BE NOTIFIED PRIOR TO START OF INSTALLATION.











KISTNER CONCRETE PRODUCTS INC. 8713 READ ROAD E. PEMBROKE, N.Y. 14056 Product designation 2'-0" X 2'-0" UTILITY TANK MEDAS (716) 894-2267 12" X 16" CLEAR __ OPNG. WITH COVER SPECIFICATIONS: S & D COUPLING STEEL: __________ CAST IN WEIGHTS: TOP SECTION: 1/4" DIA. -┶╼╪ू GALV. CABLE TYP. BOTTOM SECTION: 3' - 612 LBS. <u>TOP VIEW</u> \mathbf{T} GPF – 21.5 GAL. 5" DIA KO WITH TUF-TITE WATERTIGHT PIPE SEAL TYP. Z NOTE: TOP SECTIONS MAY BE STACKED FOR ADDITIONAL HEIGHT. ò 301 28<mark>1</mark>" N n t 1<mark>3</mark>" -||----20" SQ. ---| ---------23¹" SQ. ---- 1³" SECTION A-A O:\Drawings\Product Workbooks\001e-Utility tanks\ST22UT.DWG, TB-JOB

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FINAL GRADE

NOT TO SCALE

THREE PIECE CAST IRON VALVE BOX —

WATER MAIN

#4 STEEL REBAR ANCHOR ROD, TYP. BEND AS REQ'D.

(1)

DETECTABLE TAPE 1'-6" BELOW FINISHED GRADE

DIMENSION SCHEDULE								
PIPE	90° ELBOW		45° ELBOW		22.5° ELBOW		11.25° ELBOW	
SIZE	Ή'	T	'H'	T	'H'	Ľ	'H'	Ľ
4"	1.5'	2.0'	1.0'	2.0'	1.0'	1.0'	1.0'	1.0'
6"	2.0'	2.5'	1.5'	2.0'	1.0'	1.5'	1.0'	1.5'
8"	2.5'	3.5'	2.0'	2.5'	1.5'	1.5'	1.0'	2.0'
10"	3.0'	4.5'	2.5'	3.0'	1.5'	3.0'	1.0'	2.5'
12"	3.5'	5.0'	3.0'	3.5'	2.5'	2.5'	1.5'	2.5'

<u>PLAN</u>

UNDISTURBED OR

PIPE

SIZE

....

4"

6"

8"

10"

12"

TEE OR TAP

SLEEVE

1.0'

3.5'

H | T

1.5' 2.5'

2.5' 3.5'

3.5' 3.5'

1.5'

1.5'

COMPACTED EARTH

ELEVATION

COMPACTED EARTH

THRUST BLOCK SCHEDULE

DRAWING NO.

SCALE: 1"=30'

COMMON NAME	CAL.	SIZE	ROOT	QUANTITY	NOTES
Thornless Honey Locust - Skyline Tupelo 'Wilfire' Regal Prince Oak	2 1/2" 2 1/2" 2 1/2"		B&B B&B B&B	8 3 3	Grows to 40', high, 35' wide Grows to 50', high, 15' wide Grows to 45', high, 15' wide
White Spruce Norway Spruce - upright - Hillside Serbian Spruce Mugo Pine		6-8'Min. 6-8'Min. 5' Min. 18-24" Min.	B&B B&B B&B B&B	8 13 8 9	Grows to40-60', high, 10-20' wide Grows to 25', high, 6-8' wide Grows to 25', high, 4-6' wide Grows to 3', high, 4-6' wide
Apple Serviceberry Compact Inkbery Holly Oak Leaf Hydrangea Red Twig Dogwood Southern Bush Honeysuckle		3 Gal. 3 Gal. #3 Cont. #2 Cont. #3 Cont.		4 28 7 7 10	Grows to 8-10', high, 10-12' wide Grows to 4', high, 4-6' wide Grows to 8-15', high, 4-8' wide Grows to 5', high, 4-5' wide Grows to 4' high, 3-4' wide

1. ALL PLANTS INSTALLED SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED ON THE PLANS AND IN THE LATEST EDITION ON THE AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN ASSOCIATION OF NURSERYMEN, ANSI 260.1

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF, THE QUANTITIES SHOWN ARE A MINIMUM AND ARE FOR

3. THE CONTRACTOR SHALL PERFORM A ROUGH FIELD STAKEOUT OF ALL PLANTING MATERIAL LOCATIONS AND CONTACT THE OWNERS FIELD REPRESENTATIVE PRIOR TO ACTUALL INSTALLING. THE PLANTING MATERIAL LOCATIONS SHOWN ON THE PLANS ARE TO CONVEY THE DESIGN INTENT ONLY, ACTUAL LOCATIONS WILL BE FINALIZED BY THE OWNERS FIELD REPRESENTATIVE AT THE TIME OF INSTALLATION.

4. THE CONTRACTOR IS HEREBY NOTIFIED THAT IF UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE PLANTINGS, ALL PROPOSED PLANTINGS SHALL BE INSTALLED A MINIMUM OF 5' FROM ANY UNDERGROUND UTILITY, CONTACT THE OWNERS FIELD REPRESENTATIVE IF

5. ALL TREES SHALL BE INSTALLED A MINIMUM OF 20' FROM ANY OVERHEAD ELECTRIC LINES.

6. PLANTING BACKFILL MIXTURE SHALL CONSIST OF 3 PARTS TOPSOIL, 1 PART PEAT MOSS, $\frac{1}{3}$ PART MILORGANITE.

8. ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF SHREDDED HARDWOOD BARK MULCH WITH "PREEN".

9. ALL DISTURBED AREAS NOT RECEIVING PLANTINGS (INCLUDING RIGHT-OF-WAYS) SHALL BE SEEDED.

10. THE AREAS ON THE PLAN TO BE SEEDED SHALL HAVE 4" MINIMUM OF TOPSOIL, DISK PLOWED, LEVELED AND HAND

11. ALL SEEDED AREAS SHALL BE HYDROSEEDED IN ACCORDANCE WITH THE SPECIFICATION INDICATED. WHERE REQUIRED BY CLIMATIC CONDITIONS, SLOPE OR SEASON OF PLANTING, SOD MAY BE SUBSTITUTED FOR SEEDING IN ORDER TO ACHIEVE

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MOWING AND OTHER MAINTENANCE TO SEEDED AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER, THIS SHALL INCLUDE WATERING DAILY FOR 15 DAYS OR AS REQUIRED BY WEATHER CONDITIONS AND RE-SEEDING OF THIN SPOTS FOLLOWING THE GERMINATION OF THE SEEDS.

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SIONS: Description

REVIS No.

DRAWING NAME: Landscape Plan

Date: Drawn By: Scale:

11/20/24 C. Wood As Noted

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STD. EVERGREEN PLANTING

STD. SHRUB PLANTING

- PRUNE ONLY BROKEN OR DAMAGED - CONTINUOUS SETTLED DEPTH MULCH

DOUBLE STRAND GUY WIRES (3). WHITE— FLAG ON EACH TO INCREASE VISIBILITY.

MULCH 2"-4" DEPTH

STD. DECIDUOUS TREET PLANTING

STD. MULTI STEM DECIDUOUS TREE PLANTING

Lighting Plan

