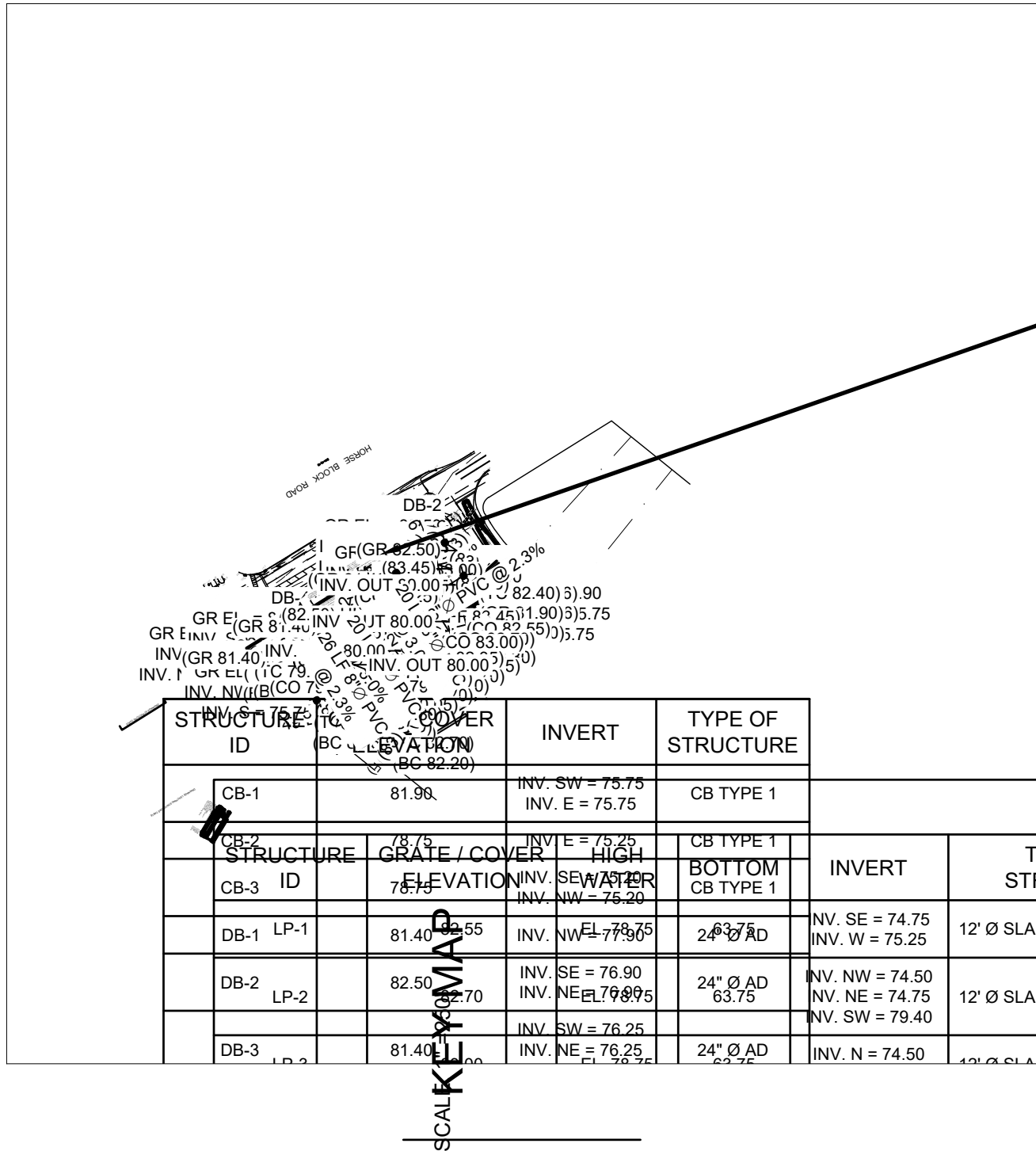
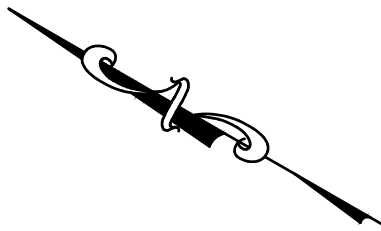


SITE PLAN
FOR
350 SOUTH BROADWAY
AT
YAPHANK
TOWN OF BROOKHAVEN
SUFFOLK COUNTY, NEW YORK

S.C.T.M.: DISTRICT 0200, SECTION 814.00, BLOCK 04.00, LOTS 001.00 & 002.00



ACCESSIBILITY NOTES:

GENERAL NOTES:

- SPECIAL ATTENTION SHALL BE GIVEN TO COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN (ADAAG), BUILDING CODE OF NEW YORK STATE (BCNYS), AND APPLICABLE LOCAL LAWS AND REGULATIONS, LATEST EDITIONS.
- IT IS ESSENTIAL THAT CONTRACTORS ARE AWARE OF THE SITE ACCESSIBILITY REQUIREMENTS. DEVCON SOLUTIONS LLC HAS DEVELOPED THESE NOTES AND DETAILS TO ASSURE THAT CONTRACTORS ARE AWARE OF THE REQUIREMENTS AT THE POINT IN TIME WHEN THEY ARE BIDDING THE PROJECT. IN ADDITION, DEVCON SOLUTIONS LLC HAS MADE A POINT IN THESE NOTES AND DETAILS, AS WELL AS IN OUR DRAWINGS, TO PROVIDE SLOPES / GRADES AND DIMENSIONS THAT COMPLY WITH THE ADAAG, BCNYS AND APPLICABLE LOCAL LAWS AND REGULATIONS, LATEST EDITIONS. IF THESE SLOPES / GRADES AND DIMENSIONS ARE NOT ACHIEVABLE, THE CONTRACTOR IS REQUIRED TO CONTACT THE OWNER IMMEDIATELY AND BEFORE MOVING FORWARD WITH THE WORK.
- THE CONTRACTOR SHALL NOTIFY DEVCON SOLUTIONS LLC IMMEDIATELY OF ANY CONFLICT BETWEEN THESE NOTES AND DETAILS AND OTHER PROJECT DRAWINGS, WHETHER BY DEVCON SOLUTIONS LLC OR OTHERS. THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK FOR WHICH THE ALLEGED CONFLICT HAS BEEN DISCOVERED UNTIL SUCH ALLEGED CONFLICT HAS BEEN RESOLVED. NO CLAIM SHALL BE MADE BY THE CONTRACTOR FOR DELAY DAMAGES AS A RESULT OF RESOLUTION OF ANY SUCH CONFLICT(S).
- THESE ACCESSIBILITY NOTES AND DETAILS ARE INTENDED TO DEPICT SLOPE AND DIMENSIONAL REQUIREMENTS ONLY. REFER TO SIDEWALK, CURBING, AND PAVEMENT DETAILS FOR ADDITIONAL INFORMATION.

ACCESSIBLE ROUTE NOTES:

- AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS OR SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY THEY SERVE.
- AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.
- WALKING SURFACES SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5.0% AND A MAXIMUM CROSS SLOPE OF 2.0%.
- ANY WALKING SURFACE WITH A RUNNING SLOPE GREATER THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OR CURB RAMPS. TRANSITIONS BETWEEN RAMPS, WALKS, LANDINGS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4 INCH MAXIMUM VERTICAL CHANGE IN LEVEL).
- FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
- THE MINIMUM CLEAR WIDTH SHALL BE THIRTY-TWO (32) INCHES FOR A ROUTE SEGMENT LENGTH LESS THAN TWENTY-FOUR (24) INCHES. CONSECUTIVE SEGMENTS OF THIRTY-TWO (32) INCHES IN WIDTH MUST BE SEPARATED BY A ROUTE SEGMENT FORTY-EIGHT (48) INCHES MINIMUM IN LENGTH AND THIRTY-SIX (36) INCHES MINIMUM IN WIDTH.
- THE MINIMUM CLEAR WIDTH SHALL BE THIRTY-SIX (36) INCHES FOR A ROUTE SEGMENT LENGTH GREATER THAN TWENTY-FOUR (24) INCHES.
- WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN FORTY-EIGHT (48) INCHES IN WIDTH, CLEAR WIDTH SHALL BE FORTY-TWO (42) INCHES MINIMUM APPROACHING THE TURN, FORTY-EIGHT (48) INCHES MINIMUM DURING THE TURN, AND FORTY-TWO (42) INCHES MINIMUM LEAVING THE TURN. THE CLEAR WIDTH APPROACHING AND LEAVING THE TURN MAY BE THIRTY-SIX (36) INCHES MINIMUM WHEN THE CLEAR WIDTH AT THE TURN IS SIXTY (60) INCHES MINIMUM.
- AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN SIXTY (60) INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF TWO HUNDRED (200) FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A SIXTY (60) INCH MINIMUM BY SIXTY (60) INCH MINIMUM SPACE; OR AN INTERSECTION OF TWO (2) WALKING SURFACES THAT PROVIDE A COMPLIANT T-SHAPED TURNING SPACE, PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND FORTY-EIGHT (48) INCHES MINIMUM BEYOND THE INTERSECTION.
- DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH ADAAG AND BCNYS REQUIREMENTS.
- DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE BUILDING ENTRANCE SHALL BE PROVIDED AT INACCESSIBLE BUILDING ENTRANCES.
- WHERE POSSIBLE, DRAINAGE INLETS SHALL NOT BE LOCATED ON AN ACCESSIBLE ROUTE. IN THE EVENT THAT A DRAINAGE INLET MUST BE LOCATED ON AN ACCESSIBLE ROUTE, THE GRATE SHALL COMPLY WITH ADAAG REQUIREMENTS.
- ALL CROSSWALKS TO HAVE A MAXIMUM 1.5% CROSS SLOPE AND 4.5% RUNNING SLOPE.

RAMP NOTES:

- ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% SHALL BE CONSIDERED A RAMP.
- THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
- THE CLEAR WIDTH OF A RAMP IMPROVEMENTS SHALL BE THIRTY-SIX (36) INCHES MINIMUM. WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.
- THE RISE FOR ANY RAMP RUN SHALL BE THIRTY (30) INCHES MAXIMUM.
- LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF RAMPS. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% IN ANY DIRECTION. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LENGTH SHALL BE SIXTY (60) INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING OF SIXTY (60) INCHES BY SIXTY (60) INCHES MINIMUM. RAMP RUNS WITH A RISE GREATER THAN SIX (6) INCHES OR A HORIZONTAL PROJECTION GREATER THAN SEVENTY-TWO (72) INCHES SHALL HAVE HANDRAILS ON BOTH SIDES COMPLYING WITH ADAAG AND BCNYS REQUIREMENTS.
- FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP RESISTANT.
- EDGE PROTECTION COMPLYING WITH ADAAG AND BCNYS REQUIREMENTS SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.
- WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY ADAAG AND BCNYS REQUIREMENTS SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. WHERE DOORS THAT ARE SUBJECT TO LOCKING ARE ADJACENT TO A RAMP LANDING, LANDINGS SHALL BE SIZED TO PROVIDE A COMPLIANT TURNING SPACE.

ACCESSIBLE ENTRANCE NOTES:

- ACCESSIBLE ENTRANCES SHALL BE PROVIDED AS REQUIRED BY ADAAG AND BCNYS REQUIREMENTS.
- ENTRANCE DOORS, DOORWAYS AND GATES SHALL COMPLY WITH ADAAG AND BCNYS REQUIREMENTS AND SHALL BE ON AN ACCESSIBLE ROUTE.

CURB RAMP NOTES:

- THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0%.
- COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5%. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.
- THE CLEAR WIDTH OF A CURB RAMP SHALL BE SIXTY (60) INCHES MINIMUM, EXCLUSIVE OF FLARED SIDES, IF PROVIDED.
- LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2% IN ANY DIRECTION.
- IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES.
- WHERE PROVIDED, CURB RAMP FLARES SHALL NOT EXCEED 10%. IF THE CLEAR LENGTH OF THE LANDING IS LESS THAN FORTY-EIGHT (48) INCHES THAN THE SLOPE OF THE FLARED SIDES SHALL NOT EXCEED 8.33%.
- CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS SPACES. CURBS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
- CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
- CURB RAMPS SHALL HAVE A TWENTY-FOUR (24) INCH DEEP DETECTABLE WARNING COMPLYING WITH ADAAG, EXTENDING THE FULL WIDTH OF THE RAMP. REFER TO DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT ORIENTATION AND NOTES FOR PLACEMENT.
- FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, 1/4 INCH WIDE BY 1/4 INCH DEEP, ONE (1) INCH CENTERS TRANSVERSE TO THE RAMP.
- WHERE PROVIDED, STOP LINES SHALL BE LOCATED IN ADVANCE OF CURB RAMP.
- WHERE PROVIDED, PEDESTRIAN ACTIVATED SIGNALS SHALL BE LOCATED ADJACENT TO THE SIDEWALK AND NOT ON THE SIDEWALK.
- WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMPS AND NOT IN THE RAMP AREA.
- CURB RAMP TYPE AND LOCATION ARE PER PLAN.

PARKING SPACE NOTES:

- ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.
- ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE AT LEAST NINETY-SIX (96) INCHES WIDE. WHERE PARKING SPACES AND ACCESS AISLES ARE MARKED WITH LINES, THE WIDTH MEASUREMENTS SHALL BE MADE FROM CENTERLINE OF THE MARKINGS. WHERE PARKING SPACES OR ACCESS AISLES ARE NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLES, MEASUREMENTS SHALL BE PROVIDED TO INCLUDE THE FULL WIDTH OF THE LINE DEFINING THE PARKING SPACE OR ACCESS AISLE.
- PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH PROVISIONS FOR ACCESSIBLE ROUTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE, IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES.
- TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE.
- ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.
- ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.
- ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
- FLOOR SURFACES OF PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
- PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS.
- PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
- PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF VAN ACCESSIBLE PARKING SPACES.
- EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. EACH ACCESS AISLE SHALL BE PROVIDED WITH SIGNAGE READING 'NO PARKING ANYTIME'. SIGNS SHALL BE INSTALLED AT A CLEAR HEIGHT OF BETWEEN SIXTY (60) INCHES AND EIGHTY-FOUR (84) INCHES ABOVE GRADE AND SHALL NOT INTERFERE WITH AN ACCESSIBLE ROUTE FROM AN ACCESS AISLE. SIGNS LOCATED WHERE THEY MAY BE HIT BY VEHICLES BEING PARKED SHALL BE INSTALLED WITH BOLLARD PROTECTION.
- ACCESSIBLE PARKING SPACE, ACCESS AISLE STRIPING, AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PAINTED BLUE.

PASSENGER LOADING ZONE NOTES:

- PASSENGER LOADING ZONES SHALL PROVIDE VEHICULAR PULL-UP SPACE NINETY-SIX (96) INCHES WIDE MINIMUM AND TWENTY (20) FEET LONG MINIMUM.
- PASSENGER LOADING ZONES SHALL PROVIDE A CLEARLY MARKED ACCESS AISLE THAT IS SIXTY (60) INCHES WIDE MINIMUM AND EXTENDS THE FULL LENGTH OF THE VEHICLE PULL-UP SPACE THEY SERVE.
- ACCESS AISLE SHALL ADJOIN AN ACCESSIBLE ROUTE AND NOT OVERLAP THE VEHICULAR WAY.
- VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE LEVEL WITH SURFACE SLOPES NO EXCEEDING 2.0% IN ALL DIRECTIONS. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
- FLOOR SURFACES OF VEHICLE PULL-UP SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT.
- VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER LOADING ZONE, AND FROM THE PASSENGER LOADING ZONE TO A VEHICULAR EXIT SERVING THEM, SHALL PROVIDE A VERTICAL CLEARANCE OF ONE HUNDRED FOURTEEN (114) INCHES MINIMUM.

GENERAL NOTES:

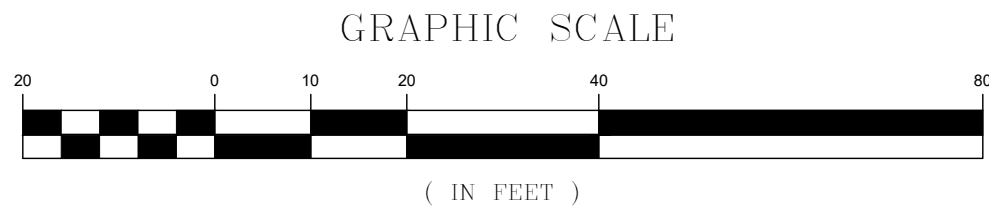
- BOUNDARY AND TOPOGRAPHICAL INFORMATION BASED ON SURVEY PREPARED BY ISLAND WIDE LAND SURVEYORS, DATED MARCH 25, 2024.
- ELEVATIONS REFER TO NAVD 1988 VERTICAL DATUM.
- DEVCON SOLUTIONS LLC SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF THE PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS THAT WILL BE REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT FROM START TO FINISH, INCLUDING BUT NOT LIMITED TO PERMITS FOR MUNICIPAL ROAD AND CURB CUT CONSTRUCTION; GAS, ELECTRIC, TELEPHONE, AND CABLE INSTALLATION; WATER MAIN AND SERVICE INSTALLATION; SITE CLEARING AND TREE REMOVAL; EXCAVATION; SITE IMPROVEMENTS; DEMOLITION; AND BUILDING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE REQUIRED UTILITY AND MUNICIPAL INSPECTIONS.
- OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY FOR THE INSTALLATION OF ALL SANITARY DISPOSAL FACILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE SANITARY SYSTEM FROM ALL GOVERNING AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE CERTIFYING ENGINEER FOR THE REQUIRED SITE VISITATIONS AND DOCUMENTATION NECESSARY FOR THE ENGINEER'S PREPARATION OF ANY MUNICIPAL REQUIRED AS-CONSTRUCTED DOCUMENTS. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPAL AGENCIES HAVING JURISDICTION.
- LOCATION OF ALL EXISTING UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION. CONTRACTOR SHALL NOTIFY OWNER PRIOR TO COMMENCING CONSTRUCTION OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD LOCATIONS AND INFORMATION REPRESENTED ON PLAN. FOR DIRECTION, EXISTING UTILITY LOCATION SHOWN ON PLANS IS BASED ON AVAILABLE INFORMATION AND FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING AND IDENTIFYING ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. EXISTING SITE LIGHTING AND SIGNAGE ELECTRIC AND LANDSCAPE IRRIGATION IS NOT INCLUDED ON THE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR THE REMOVAL AND DISPOSAL OF ANY EXCAVATED AND DEMOLISHED MATERIALS AND DEBRIS.
- COMPACTION SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPAL AGENCY HAVING JURISDICTION.
- ALL EXISTING STRUCTURES AND SITE IMPROVEMENTS SPECIFIED TO BE REMOVED, SHALL BE COMPLETELY REMOVED AND BACKFILL, BACKFILL TO BE SELECT GRANULAR FILL, COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, AS DETERMINED BY MODIFIED PROCTOR TEST, UNLESS OTHERWISE NOTED.
- ALL FILL BACKFILL SHALL BE SELECT GRANULAR MATERIAL, COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE, AS DETERMINED BY MODIFIED PROCTOR TEST, UNLESS OTHERWISE NOTED.
- DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL, SURPLUS MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
- ALL MUNICIPAL AGENCIES HAVING JURISDICTION DURING CONSTRUCTION SHALL BE NOTIFIED A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF ALL CONSTRUCTION, UNLESS OTHERWISE INDICATED AS A CONDITION OF MUNICIPAL APPROVAL OR PERMIT. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND INSURING ALL NECESSARY MUNICIPAL INSPECTIONS, CONDITIONS OF APPROVAL, AND CERTIFICATIONS ARE PERFORMED AND OBTAINED IN ACCORDANCE WITH THE APPLICABLE PERMITS AND MUNICIPAL REQUIREMENTS.
- ALL SITE WORK SHALL BE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE TOWN AND COUNTY AND SHALL CONFORM AS A MINIMUM TO THE DETAILS AND STANDARDS OF THE MUNICIPAL AGENCY HAVING JURISDICTION AND/OR PERMITS, UNLESS MORE STRINGENTLY DETAILED AND/OR SPECIFIED HEREIN. ALL ON-SITE CONCRETE CURBING, SIDEWALK AND DRAINAGE STRUCTURES SHALL CONFORM TO TOWN STANDARD DETAILS.
- PROPOSED CABLE AND TELEPHONE SERVICE LOCATIONS SUBJECT TO CABLE AND TELEPHONE COMPANY APPROVAL. ALL WORK SHALL CONFORM, AS A MINIMUM, TO THE REQUIREMENTS OF THE CABLE AND TELEPHONE COMPANY.
- INSTALLATION AND SERVICE COORDINATION OF ELECTRIC AND GAS SERVICE IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL CONFORM, AS A MINIMUM, TO THE REQUIREMENTS OF LOCAL UTILITY AUTHORITIES.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- ALL PARKING LOT LIGHTING POLES, PYLON SIGNING, LIGHTING FIXTURE CONFIGURATIONS, AND COLOR SHALL BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE, PRIOR TO INSTALLATION. INSTALLATION OF SITE ELECTRIC SHALL BE AS DETAILED BY OTHERS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY FOR THE INSTALLATION OF SIGNS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION.
- BROKEN OR HAZARDOUS EXISTING SIDEWALK, DRIVEWAY APRONS AND CURBING ADJACENT TO AND ON THE SUBJECT SITE AND LIMITS OF CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH CURRENT STANDARDS, AS ORDERED BY THE MUNICIPAL AGENCY, HAVING JURISDICTION.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND IN PLACE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. MEASURES SHALL BE MAINTAINED AND MODIFIED AS NECESSARY THROUGH OUT THE IMPROVEMENT CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL ACCEPTANCE OF IMPROVEMENT CONSTRUCTION BY LOCAL MUNICIPALITY HAVING JURISDICTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING HANDICAP ACCESS RELATED IMPROVEMENTS IN ACCORDANCE WITH THE LATEST APPLICABLE FEDERAL, STATE AND LOCAL HANDICAP ACCESSIBILITY REGULATIONS, REQUIREMENTS AND LAWS INCLUDING, BUT NOT LIMITED TO: BUILDING ACCESS, HANDICAP ACCESSIBLE ROUTE, LANDINGS, PARKING, RAILINGS AND SIGNAGE.
- CONTRACTOR SHALL INSTALL SILT FENCE ALONG LIMIT OF CLEARING/REGRADE LINE.
- ALL OTHER WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF BROOKHAVEN.

SITE DATA:

SITE AREA: 79,178 SF ~ 1.818 ACRES
S.C.T.M.: 0200-814.00-04.00-001.000
0200-814.00-04.00-002.000
EXISTING ZONE: L1 - LIGHT INDUSTRIAL
PROPOSED ZONE: L1 - LIGHT INDUSTRIAL
PROPOSED USES: INDUSTRIAL WAREHOUSE
TOTAL BUILDING AREA: 26,642 SF
F.A.R.: 33.65%
FIRE DISTRICT: BROOKHAVEN FD - ZONE 3
SCHOOL DISTRICT: SOUTH COUNTRY CSD
WATER DISTRICT: SCWA
PROPERTY LOCATION: NE CORNER OF HORSE BLOCK ROAD & ZORN BOULEVARD

SHEET INDEX

DWG. NO.	SHEET NO.	SHEET TITLE
C-101	1 OF 13	COVER SHEET
C-102	2 OF 13	EXISTING CONDITIONS & DEMOLITION PLAN
C-103	3 OF 13	PROPOSED SITE PLAN
C-104	4 OF 13	GRADING PLAN
C-105	5 OF 13	DRAINAGE & UTILITY PLAN
C-106	7 OF 13	PHASE II EROSION CONTROL PLAN
C-107	8 OF 13	LIGHTING PLAN
C-108	8 OF 13	SITE DETAILS
C-109	9 OF 13	DRAINAGE DETAILS
C-110	10 OF 13	EROSION CONTROL DETAILS
C-111	11 OF 13	ADA DETAILS
C-112	12 OF 13	TRUCK TURNING PLAN
L-100	13 OF 13	LANDSCAPE PLAN

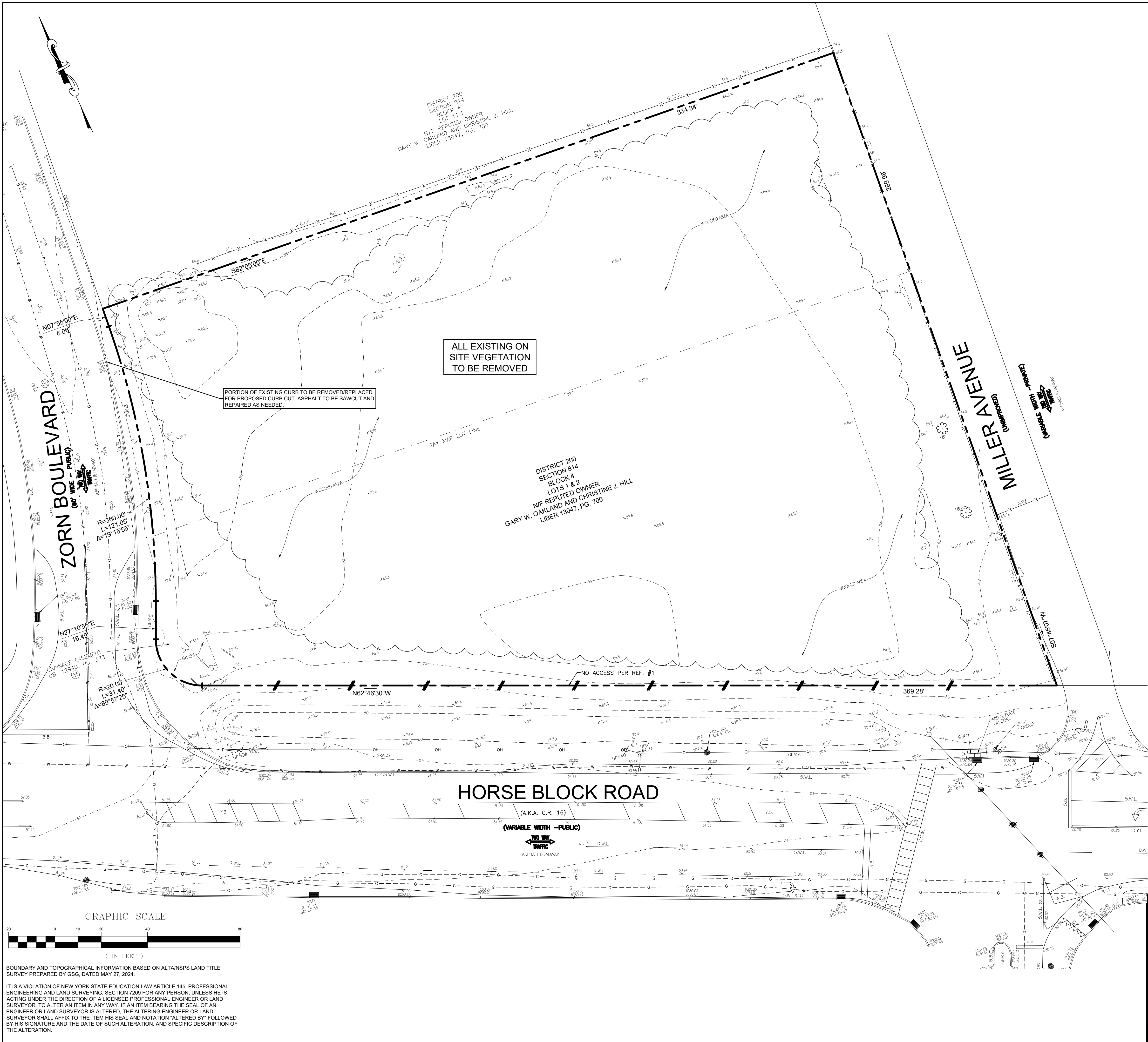


BOUNDARY AND TOPOGRAPHICAL INFORMATION BASED ON ALTA/NSPS LAND TITLE SURVEY PREPARED BY GSG, DATED MAY 27, 2024.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7208 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	DATE:	REVISIONS:			BY:
DRAFT 2024-08-26		COVER SHEET FOR HORSEBLOCK ROAD & ZORN BOULEVARD SITUATED AT YAPHANK TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00			
		PROJECT NO.:			
		DRAWN BY: IB			
		CHECKED BY: JC			
		DATE: AUGUST 2024			
		SCALE: AS NOTED			
		FILE NO.:			
		CADD: HBR-SP.DWG			
		DRAWING NO.:			
		C-101			
		SHEET NO.: 1 OF 13			





EXISTING LEGEND	
	PROPERTY LINE
	EXISTING CONTOUR
	FENCE
	EXIST. BUILDING FOOTPRINT & DOORWAY AT GROUND LEVEL
	EXISTING SPOT ELEVATION
	EXIST. TOP OF CURB ELEVATION
	EXIST. GUTTER ELEVATION
	APPROX. LOCATION U.G. TELEPHONE LINE PER UTILITY MARKOUT
	APPROX. LOCATION U.G. GAS LINE PER UTILITY MARKOUT
	APPROX. LOCATION U.G. WATER LINE PER UTILITY MARKOUT & REFERENCE MAPPING
	OVERHEAD WIRES
	UTILITY POLE
	UTILITY POLE/LIGHT POLE
	GUY WIRE
	SIGN
	TRAFFIC FLOW ARROWS
	DENOTES OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE

ABBREVIATIONS	
BOT.	BOTTOM OF STRUCTURE
C.C.	CONCRETE CURB
C.L.F.	CHAIN LINK FENCE
D.C.	DEPRESSED CURB
D.W.L.	DASHED WHITE LINE
D.Y.L.	DOUBLE YELLOW LINE
E.O.P.	EDGE OF PAVEMENT
FWD	FILLED WITH DEBRIS
GRT	GRATE
G.W.	GUY WIRE
INV.	INVERT
M/H	MANHOLE
N/P.V.	NO PIPES VISIBLE
S.B.	STOP BAR
S.F.C.C.	STEEL FACED CONC.
S.W.L.	WHITE LINE
T.S.P.	TRAFFIC SIGNAL POLE
UP	UTILITY POLE
UPLP	UTILITY POLE/LIGHT POLE
Y.S.	YELLOW STRIPING

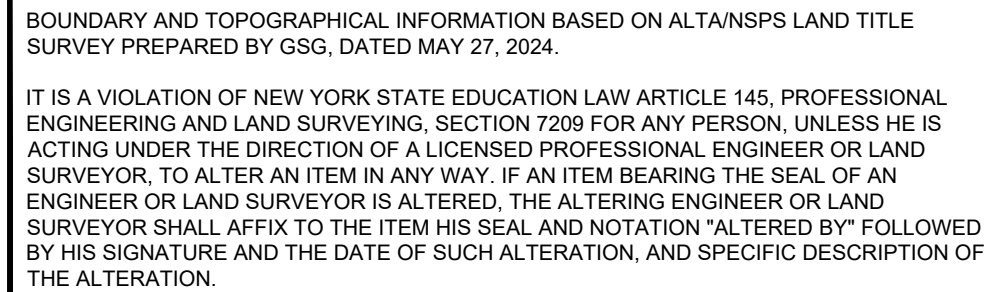
EXISTING CONDITIONS/DEMOLITION NOTES

- PRIOR TO THE START OF EXCAVATION, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, SIZE, AND DIMENSION OF ALL UNDERGROUND UTILITIES. DEVCON SOLUTIONS LLC. DOES NOT ASSUME THE RESPONSIBILITY FOR THE LOCATION OF BURIED UTILITIES SHOWN NOR LACK OF. THE CONTRACTOR SHALL CONTACT THE UTILITY MARK-OUT ONE CALL SERVICE BY CALLING 1-800-272-4480 PRIOR TO THE START OF CONSTRUCTION.
- ALL DEBRIS, CONCRETE CHUNKS, TREE STUMPS, AND OTHER UNSUITABLE MATERIAL RESULTING FROM THE SITE GRADING AND EXISTING STRUCTURAL DEMOLITION SHALL BE DISPOSED OF AT AN APPROVED OFF-SITE DISPOSAL LOCATION. NO UNSUITABLE MATERIALS SHALL BE PERMITTED TO BE BURIED ON SITE.
- EXISTING UTILITIES, PAVEMENT, CURB, LANDSCAPING, BUILDING, CONCRETE SIDEWALK, LIGHTING FEATURES, ETC. SHALL BE REMOVED, CAPPED, RECONSTRUCTED AND/OR RELOCATED AS NECESSARY IN THE AREAS OF CONSTRUCTION UNLESS OTHERWISE NOTED. SITE LIGHTING, UNDERGROUND CONDUIT, WATER, GAS, TELEPHONE, SANITARY SEWER LATERALS, AND STORM DRAINAGE ALL SHOWN IN APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY AND PROTECT ALL UTILITIES IN AREAS OF EXCAVATION.
- THE CONTRACTOR SHALL NOT REMOVE FROM SERVICE ANY UTILITY WITHOUT VERIFICATION THAT THE SERVICE HAS BEEN REROUTED, CAPPED, OR TAKEN OUT OF SERVICE.
- THE CONTRACTOR SHALL BACKFILL ALL DEMOLITION TO SUBGRADE USING SUITABLE MATERIAL AND SHALL PLACE AND COMPACT BACK FILL IN LIFTS TO ASSURE 95% PROCTOR COMPACTION.
- ALL DEBRIS FROM CONSTRUCTION WILL BE COMPLETELY REMOVED FROM THE ADJACENT AREA TO AN APPROVED UP AND LOCATION FOR DISPOSAL.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITH: RCA; SEED; OR MULCH IF INACTIVE FOR GREATER THAN 2 WEEK PERIOD.
- CONTRACTOR SHALL COORDINATE WITH FACILITIES / ENGINEER / OWNER AT LEAST 72 HOURS PRIOR TO START OF ANY REMOVAL ACTIVITIES.
- FOR PROTECTION OF PEDESTRIANS, CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE & STANDARD PROTECTION DURING REMOVAL ACTIVITIES & CONSTRUCTION ACTIVITIES.
- CONTRACTOR IS RESPONSIBLE TO OBTAIN, POST ALL NECESSARY PERMITS PRIOR TO START OF WORK.
- PAVEMENT SAWCUT IN STRAIGHT LINES.
- CONTRACTOR SHALL NOTIFY PROJECT TEAM & THE OWNER IF HAZARDOUS MATERIAL ENCOUNTERED ON-SITE DURING EXCAVATION ACTIVITIES.
- CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ACTIVITIES IN ACCORDANCE WITH STATE, FEDERAL, & LOCAL JURISDICTION.
- CONTRACTOR SHALL PERFORM NECESSARY TEST PITS TO CONFIRM EXISTING UNDERGROUND FEATURES / UTILITIES FOR ANY CONFLICTS WITH UNDERGROUND UTILITIES / FEATURES / CROSSINGS PRIOR TO START OF CONSTRUCTION NOTIFY THE ENGINEER OF RECORD IF ANY DISCREPANCY EXISTS.

NO.	DATE:	REVISIONS:	BY:
EXISTING CONDITIONS & DEMOLITION PLAN			
FOR			
HORSEBLOCK ROAD & ZORN BOULEVARD			
SITUATED AT			
YAPHANK			
TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK			
S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00			
PROJECT NO.:			
DRAWN BY: IB			
CHECKED BY: JC			
DATE: AUGUST 2024			
SCALE: 1" = 20'			
FILE NO.:			
CADD: HBR-SP.dwg			
DRAWING NO.:			
C-102			
SHEET NO.:			
2 OF 13			

BOUNDARY AND TOPOGRAPHICAL INFORMATION BASED ON ALTA/NSPS LAND TITLE SURVEY PREPARED BY GSG, DATED MAY 27, 2024.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING, SECTION 7208 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND NOTATION ALTERED BY FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND SPECIFIC DESCRIPTION OF THE ALTERATION.



SITE DATA:

SITE AREA: 79.178 SF - 1.818 ACRES
S.C.T.M.: 0200-814.00-04.00-001.000
0200-814.00-04.00-002.000

EXISTING ZONE: L1 - LIGHT INDUSTRIAL
PROPOSED ZONE: L1 - LIGHT INDUSTRIAL
PROPOSED USES: INDUSTRIAL/WAREHOUSE
TOTAL BUILDING AREA: 26,840 SF
F.A.R.: 33.65%

FIRE DISTRICT: BROOKHAVEN, FD - ZONE 3
SCHOOL DISTRICT: SOUTHWEST COUNTY CSD
WATER DISTRICT: SCWA

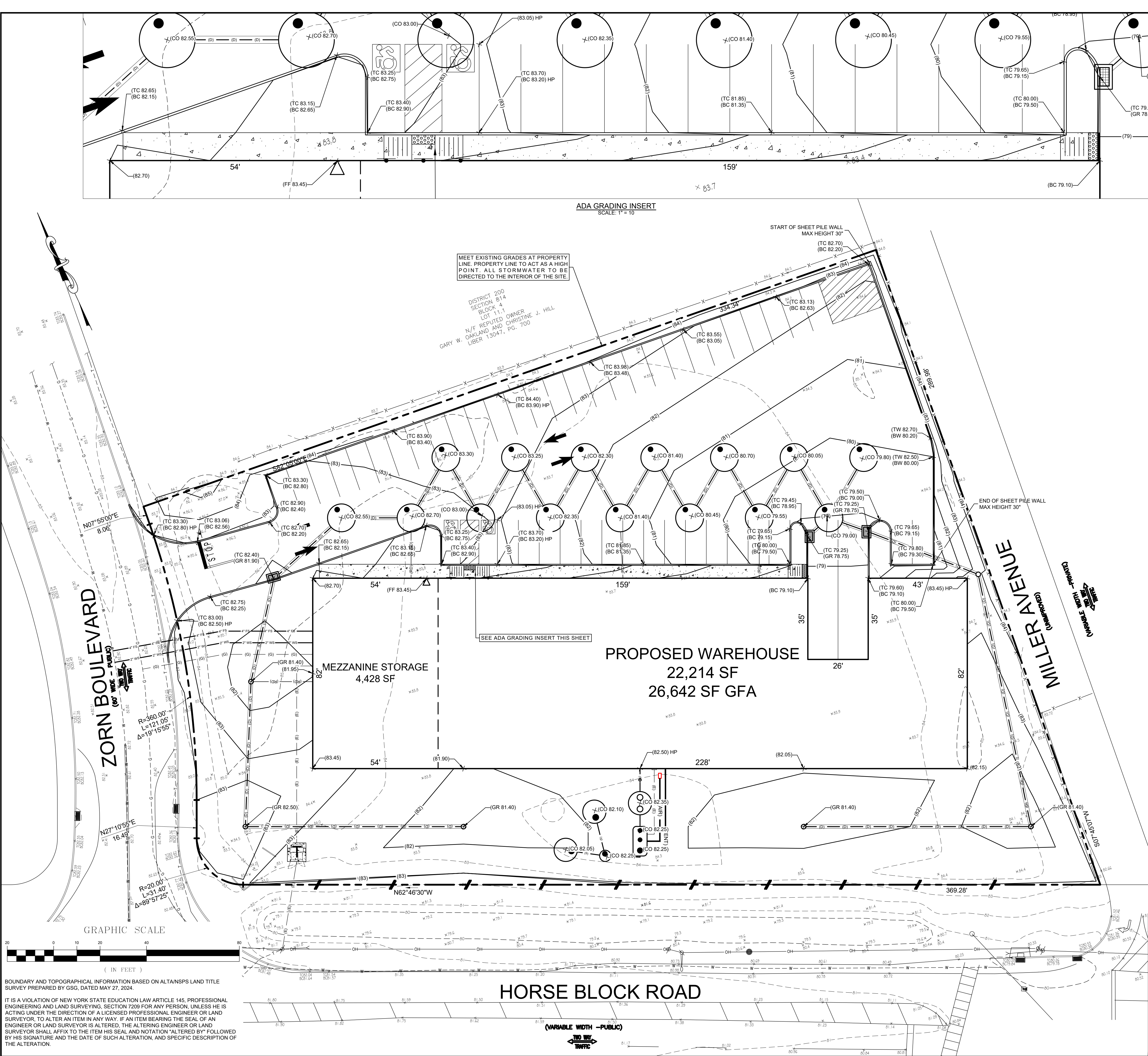
PROPERTY LOCATION: NE CORNER OF HORSE BLOCK ROAD
& ZORN BOULEVARD

1. THE WIDTH AND LAYOUT FOR EACH OF THESE MARKING SHALL CONFORM TO THE CURRENT BUCKS COUNTY STANDARD DETAILS UNLESS OTHERWISE SHOWN ON THIS DRAWING.
2. ALL LONG LINES AND HATCHING TO BE EXPOXY MATERIAL.
3. WORD MARKINGS AND CHARACTERS TO BE PRE-FORMED PAVEMENT MARKING TAPE.
4. ALL ARROWS TO BE PRE-FORMED MARKING TAPE.
5. ALL STOP LINES AND CROSSWALKS TO BE PRE-FORMED HIGH PERFORMANCE TAPE.
6. ALL CRACK AND GULL LINES TO BE PRE-FORMED HIGH PERFORMANCE TAPE.
7. ALL REQUIRED 16" BARS TO BE PRE-FORMED HIGH PERFORMANCE TAPE.
8. ALL HATCH LINES TO BE PLACED AT A 45 DEGREE ANGLE TO THE ADJACENT TRAFFIC FLOW.
9. PAVEMENT MARKING SYMBOLS SHALL BE DESIGNED IN ACCORDANCE WITH THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE PROVISIONS OF THE PENNSYLVANIA STATE SUPPLEMENT TO THE NATIONAL MUTCD.
10. ALL HANDICAP RAMPS SHALL BE ADA COMPLIANT.

NOTES

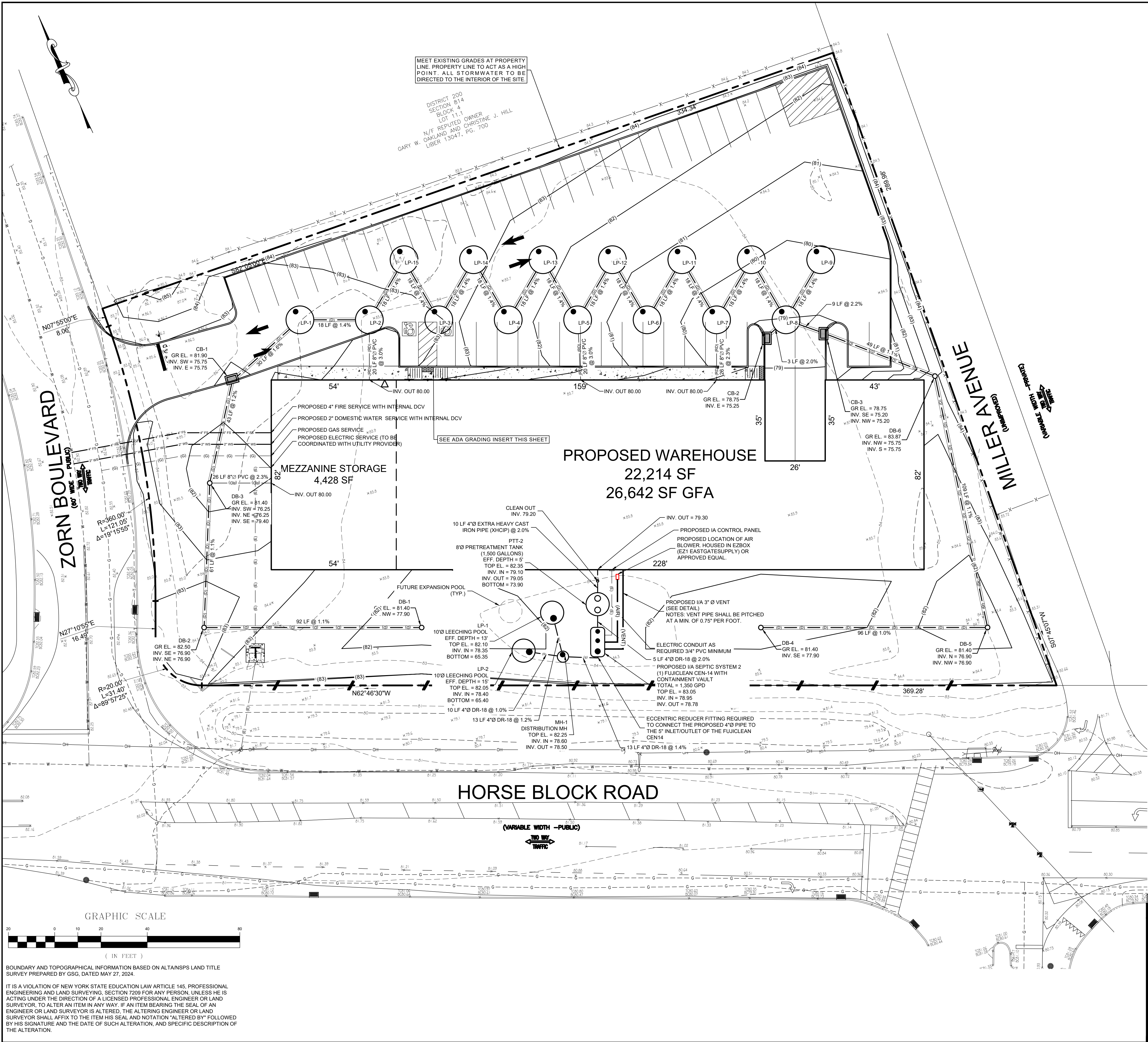
1. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PENNSYLVANIA STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (PENN MUTCD).

NO.		DATE:		REVISIONS:		BY:	
DRAFT 2024-08-26		PROPOSED SITE PLAN FOR HORSEBLOCK ROAD & ZORN BOULEVARD SITUATED AT YAPHANK TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00				PROJECT NO.:	
						DRAWN BY:	
						CHECKED BY:	
						DATE:	
						AUGUST 2024	
						1" = 20'	
						FILE NO.:	
						CADD: HBR-SP.DWG	
						DRAWING NO.:	
						C-103	
						SHEET NO.:	
						3 OF 13	



- ## GRADING PLAN NOTES
1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF BROOKHAVEN, SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES, SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS AND ALL OTHER RELEVANT AGENCIES AS APPLICABLE.
 2. INFORMATION SHOWN ON THIS PLAN IS BASED ON VISIBLE FIELD EVIDENCE AND AVAILABLE RECORDS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK. CARE SHALL BE TAKEN NOT TO DISTURB EXISTING UTILITIES AND SERVICE CONNECTIONS (OR PORTIONS THEREOF) TO REMAIN. THE CONTRACTOR IS RESPONSIBLE FOR THE IDENTIFICATION AND PROTECTION OF ALL EXISTING UTILITIES AND SERVICE CONNECTIONS AND SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY COMPANY.
 3. REMOVAL OF EXISTING STRUCTURES, INCLUDING BUILDINGS, DRAINAGE SYSTEMS AND OTHER STRUCTURES SHALL BE IN ACCORDANCE WITH THE TOWN OF BROOKHAVEN, SUFFOLK COUNTY DEPARTMENT OF BROOKHAVEN AND APPLICABLE TOWN, COUNTY, STATE AND FEDERAL AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR DEMOLITION AND DISPOSAL OF EXISTING STRUCTURES AND MATERIALS.
 4. THE CONTRACTOR SHALL EMPLOY APPROPRIATE MAINTENANCE AND PROTECTION OF TRAFFIC MEASURES DURING CONSTRUCTION AS APPLICABLE.
 5. THE CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITIES 48 HOURS BEFORE EXCAVATING, CUTTING OR REMOVING ANY TAPPING INTO ANY EXISTING UTILITY SERVICE. THE TOWN OF BROOKHAVEN SHALL BE NOTIFIED 48 HOURS BEFORE ANY SITE WORK IS BEGUN.
 6. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LOCAL TOWN, COUNTY, STATE AND FEDERAL LAWS AND ALL APPLICABLE CODES.
 7. ALL CORRUGATED POLYETHYLENE PIPE (CPP) SHALL BE MANUFACTURED BY ADS TYPE N-12 SOIL TIGHT PIPE OR AN APPROVED EQUIVALENT.
 8. ALL DRAINAGE PIPE SHALL BE PROVIDED WITH A MINIMUM 2% COVER.
 9. ALL DRAINAGE STRUCTURES TO BE PRECAST UNLESS OTHERWISE SHOWN.
 10. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
 11. DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY H20 (H20) LOADING AND BE INSTALLED ACCELERATING.
 12. SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
 13. ELEVATIONS REFERENCE NAVD 88 (DATUM).
 14. A STORMWATER AND EROSION SEDIMENT MANAGEMENT PLAN IS REQUIRED TO BE SUBMITTED FOR REVIEW AND APPROVAL WHENEVER ANY SITE DISTURBANCE EXCEEDS 40,000 SF. PLEASE PREPARE THE PLAN AND SUBMIT IT TO THE TOWN OF BROOKHAVEN, SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL 2016 BLUE BOOK.
 15. FOR PURPOSES OF CLARITY, CONTOUR DATA IS NOT SHOWN. CONTRACTOR SHALL NOTIFY THE ENGINEER AND REQUEST NECESSARY CONTOUR DATA PRIOR TO COMMENCING GRADING OPERATIONS ON SITE.

NO.	DATE:	REVISIONS:			BY:	
DRAFT 2024-08-26		PROPOSED GRADING PLAN FOR HORSEBLOCK ROAD & ZORN BOULEVARD SITUATED AT YAPHANK TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00			PROJECT NO.:	
					DRAWN BY: IB	
					CHECKED BY: JC	
					DATE: AUGUST 2024	
		SCALE: 1" = 20'				
		FILE NO.:				
		CADD: HBR-SP.DWG				
		DRAWING NO.:				
		C-104				
		SHEET NO.:				
		4 OF 13				



DRAINAGE/UTILITY NOTES

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF BROOKHAVEN, SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES, SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS AND ALL OTHER RELEVANT AGENCIES AS APPLICABLE.
2. UTILITY INFORMATION SHOWN ON THIS PLAN IS BASED ON VISIBLE FIELD EVIDENCE AND AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK. CARE SHALL BE TAKEN NOT TO DISTURB EXISTING UTILITIES. AND SERVICE CONNECTIONS (OR PORTIONS THEREOF) TO REMAIN. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ABANDONED UTILITY SERVICE CONNECTIONS AND INSTALLATION OF NEW SERVICE CONNECTIONS AND SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY COMPANY.
3. REMOVAL OF EXISTING STRUCTURES, INCLUDING BUILDINGS, DRAINAGE SYSTEMS AND OTHER STRUCTURES, IS TO BE DONE IN CONFORMANCE WITH THE REGULATIONS OF THE TOWN OF BROOKHAVEN AND APPLICABLE TOWN, COUNTY, STATE AND FEDERAL AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR DEMOLITION AND DISPOSAL OF EXISTING STRUCTURES AND MATERIALS.
4. THE CONTRACTOR SHALL EMPLOY APPROPRIATE MAINTENANCE AND PROTECTION OF TRAFFIC MEASURES DURING CONSTRUCTION AS APPLICABLE.
5. THE CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITIES 48 HOURS BEFORE EXCAVATING, CUTTING, REMOVING OR TAPPING INTO ANY EXISTING UTILITY SERVICE. THE TOWN OF BROOKHAVEN SHALL BE NOTIFIED 48 HOURS BEFORE ANY SITE WORK IS BEGUN.
6. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE LOCAL TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
7. ALL CORRUGATED POLYETHYLENE PIPE (CPP) SHALL BE MANUFACTURED BY ADS TYPE N-12 SOIL TIGHT PIPE OR AN APPROVED EQUAL.
8. ALL DRAINAGE PIPE SHALL BE PROVIDED WITH A MINIMUM 2.0' COVER.
9. ALL DRAINAGE STRUCTURES TO BE PRECAST UNLESS OTHERWISE SHOWN.
10. ALL TRENCHING PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
11. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) MEASURES DURING CONSTRUCTION AS APPLICABLE.
12. SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
13. ELEVATIONS REFERENCE NAVD 88 (DATUM).
14. A STORM WATER AND EROSION SEDIMENT MANAGEMENT PLAN IS REQUIRED TO BE SUBMITTED FOR REVIEW AND APPROVAL WHENEVER ANY SITE DISTURBANCE EXCEEDS 40,000 SF. PLEASE PREPARE AND SUBMIT THE APPROPRIATE DOCUMENTS. PROVIDE STANDARDS AND SPECIFICATIONS COMPLIANT WITH NEW YORK STATE STANDARDS AND SPECIFICATION FOR EROSION AND SEDIMENT CONTROL 2016 BLUE BOOK.
15. BUILDING ROOF DRAINAGE TO BE PIPED TO THE PROPOSED STORMWATER SYSTEM, REFER TO ARCHITECTURE PLANS FOR LEADER LOCATIONS.
16. REFER TO SHEET C-502 "DRAINAGE DETAILS" FOR DRAINAGE AND LEACHING STRUCTURE TABLES.
17. PROVIDE PRECAST DRYWELLS FOR THE STORAGE OF 3" OF STORM WATER, ONE FOOT ABOVE GROUND WATER TABLE. FOR PAVED AND BUILDING AREAS, ALL SURFACE RUNOFF, INCLUDING ROOF RUNOFF, SHALL BE CONNECTED TO THE STORM WATER SYSTEM. MINIMUM SIZE SURFACE RUNOFF PIPE SHALL BE 10" C.P.P. OR EQUIVALENT STRENGTH.
18. PAVE AREAS AND ROOFS SHALL BE COMPUTED AT A 100% RUNOFF FACTOR. FLAT GRASS AND LANDSCAPE AREAS SHALL BE COMPUTED AT A 30% RUNOFF FACTOR. SHOW DRAINAGE CALCULATIONS ON SITE PLAN OR SUBMIT SEPARATE REPORT. ALL DRYWELLS SHALL HAVE A 2' DIAMETER FRAME AND COVER, TO GRADE IN LAWN AND PAVED AREAS. DRYWELLS ARE NOT TO BE PLACED LESS THAN 10 FEET FROM THE PROPERTY LINES AND 20 FEET FROM FOUNDATIONS. NEW DRYWELLS SHOULD BE A MINIMUM OF 10 FEET APART.
19. ALL LAWN AND PAVEMENT DRYWELLS SHALL BE INTERCONNECTED AND SHALL NOT POND MORE THAN 6" BEFORE THE OVERFLOW IS DIRECTED TOWARDS A LANDSCAPED, UNPAVED OR PERVIOUS AREA PRIOR TO OVERFLOWING ONTO THE STREET.
20. ALL DRAINAGE PIPES SHALL BE 15" MIN. DIAMETER, HDPE SMOOTH WALL INTERIOR, WITH 1% MINIMUM SLOPE & 5% MAXIMUM SLOPE.
21. OWNERSHIP IS RESPONSIBLE FOR MAINTENANCE OF DRAINAGE STRUCTURES AFTER THE END OF CONSTRUCTION WITHIN PROPERTY LINES. MAINTENANCE INCLUDES CLEARING AND PROPER DISPOSAL OF DEBRIS IN ACCORDANCE WITH LOCAL/STATE/ AND FEDERAL LAWS.
22. TOWN OF BROOKHAVEN BUILDING DEPARTMENT WILL REVIEW AND APPROVE THE PROXIMITY OF GROUNDWATER INFILTRATION STRUCTURES TO BUILDING FOUNDATIONS.

DRAINAGE CALCULATIONS

REQUIRED	
ROOF	22,214 SF x 1.0 X 5/12 = 9,256 CF
IMPERVIOUS	27,214 SF x 1.0 X 5/12 = 11,339 CF
LANDSCAPE	28,750 SF x 0.15 X 5/12 = 1,859 CF
TOTAL	78,179 SF = 22,454 CF
(22,454 CF / 100.88 CF / VF = 222.6 VF 12" LP'S REQUIRED)	
PROVIDED:	(15) 12" LEACHING POOLS X 15 FT. EFF. DEPTH = 22,698 CF > 22,454 CF 225 VF > 222.6 VF

SANITARY DENSITY CALCULATIONS

GROUND WATER MANAGEMENT: ZONE III - 300 GPD/ACRE
SITE AREA: 1.82 ACRES
PROPOSED BUILDING TOTAL GFA = 26,642 SF

ALLOWABLE DENSITY:
DENSITY AS PER CURRENT STANDARDS =
1.82 ACRES X 300 GPD/ACRE = 546 GPD ALLOWABLE

USE	AREA	RATE	TOTAL
WAREHOUSE	22,214 SF	x 0.04 GPD/SF	888.6 GPD
OFFICE	4,428 SF	x 0.06 GPD/SF	265.7 GPD
TOTAL	26,642 SF		1,154.3 GPD*

*APPLICANT SHALL PURCHASE TDR CREDITS FOR 608.3 GPD FLOW IN EXCESS OF ALLOWABLE DENSITY

SEPTIC SYSTEM A:

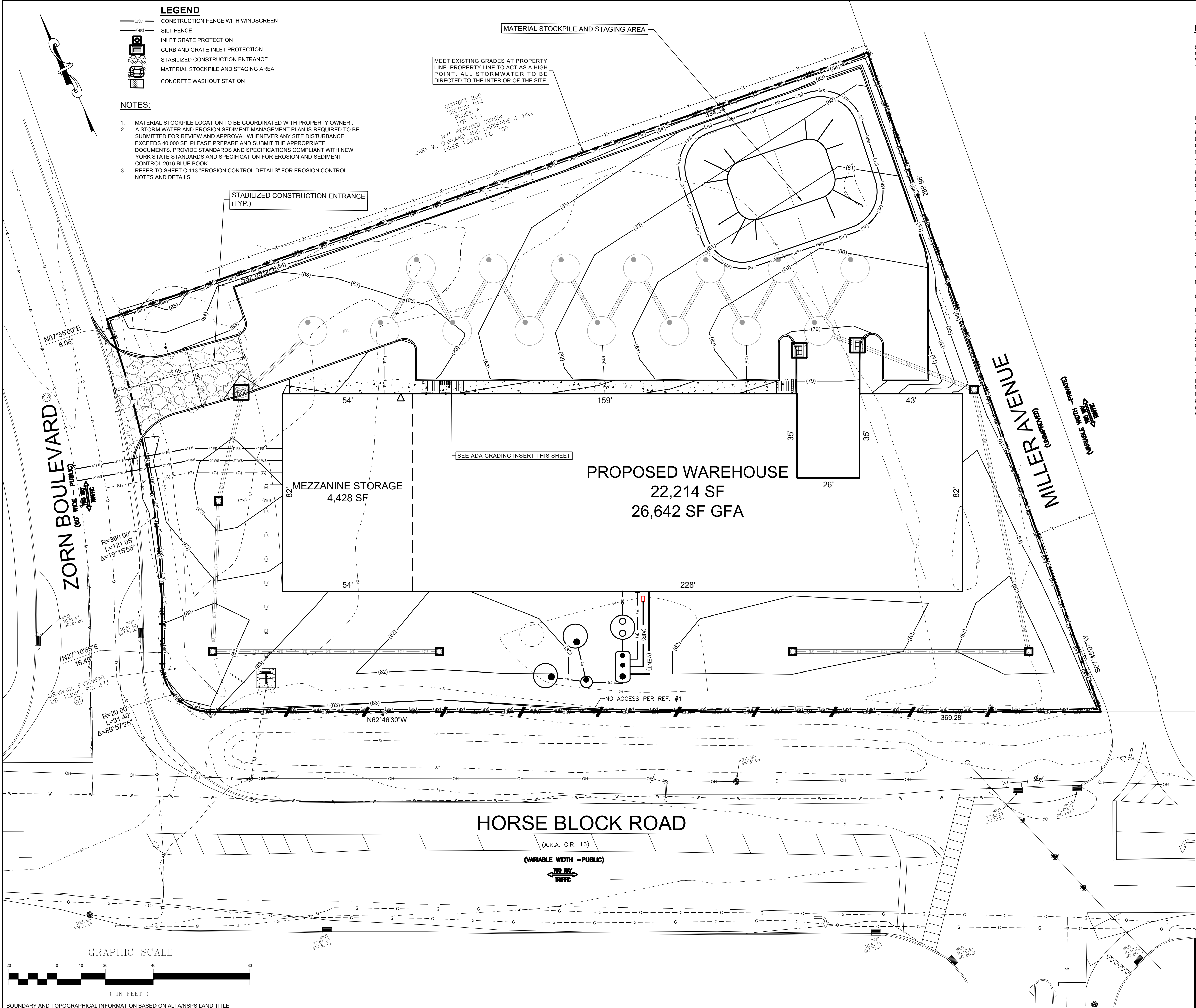
SEPTIC FLOW:
1,154.3 GPD X 1 DAY = 1,154.3 GALLONS REQUIRED

PROPOSED:
(1) FUJICLEAN MODEL CEN14 @ 1,350 GPD

LEACHING POOLS:
REQUIRED:
1,154.3 GPD / 1.5 GPD/SF = 769.5 SF OF LEACHING AREA
769.5 SF LEACHING AREA / 31.42 SF/VF = 24.5 VF

PROPOSED:
(2) 10" DIA. X 13' D. = 816.9 SF OR 26 VF
(1) 10" DIA. X 13' D. FOR FUTURE EXPANSION
26 V.F. > 24.5 V.F.

NO.	DATE:	REVISIONS:	BY:
PROPOSED DRAINAGE & UTILITY PLAN			
FOR			
HORSEBLOCK ROAD & ZORN BOULEVARD			
SITUATED AT			
YAPHANK			
TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK			
S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00			
PROJECT NO.:		DRAWN BY: IB	
CHECKED BY: JC		DATE: AUGUST 2024	
SCALE: 1" = 20'		FILE NO.:	
CADD: HBR-SP.dwg		DRAWING NO.:	
C-105		SHEET NO.:	
5 of 13			



EROSION CONTROL NOTES

EROSION CONTROL MEASURES MUST CONFORM TO THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL UNLESS OTHERWISE NOTED. OR UNLESS ENGINEER CLEARLY AND SPECIFICALLY, IN WRITING, DIRECTS OTHERWISE. INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK MUST BE PERFORMED EXACTLY AS INDICATED IN THE EROSION CONTROL CONSTRUCTION NOTES.

THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 1.623 ACRES.

THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED FOR THIS SITE:

A. STABILIZED CONSTRUCTION ENTRANCE/EXIT - A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT IS TO BE INSTALLED AT THE DESIGNATED LOCATION SHOWN ON THE PLAN. THIS AREA MUST BE GRADED SO THAT RUNOFF WATER WILL BE RETAINED ON SITE.

B. SEDIMENT FENCE - INSTALL SILT FENCE(S) AND/OR SILT SOCK AROUND ALL OF THE DOWNSLOPE PERIMETERS OF THE SITE, TEMPORARY FILL, AND STOCKPILES.

C. INSTALL FILTER FABRIC DROP INLET PROTECTION AROUND EACH DRAINAGE INLET AS DRAINAGE STRUCTURES ARE INSTALLED TO REDUCE THE QUANTITY OF SEDIMENT. INSTALL TEMPORARY INLET PROTECTION ON INLETS DOWNSLOPE FROM DISTURBANCE, WHICH MAY BE BEYOND THE LIMITS OF THE DISTURBED AREA.

INSTALLATION OF EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH ALL OF THE MANUFACTURER'S RECOMMENDATIONS.

THE TRAINED CONTRACTOR MUST INSPECT EROSION CONTROL MEASURES DAILY.

PURSUANT TO PART IV OF THE GENERAL PERMIT, INSPECTIONS OF THE INSTALLED EROSION CONTROLS ARE REQUIRED TO BE CONDUCTED EVERY SEVEN (7) CALENDAR DAYS BY A QUALIFIED INSPECTOR. IF CONSTRUCTION ACTIVITIES ARE TO DISTURB GREATER THAN 5 ACRES OF SOIL AT ANY GIVEN TIME, THEN THE OWNER OR OPERATOR MUST HAVE A QUALIFIED INSPECTOR CONDUCT AT LEAST TWO (2) SITE INSPECTIONS EVERY SEVEN (7) CALENDAR DAYS, FOR AS LONG AS GREATER THAN FIVE ACRES OF SOIL REMAIN DISTURBED. INSPECTIONS SHALL BE SUPERVISED BY A QUALIFIED PROFESSIONAL AND A RECORD OF ALL INSPECTION REPORTS (SEE APPENDIX D) WILL BE MAINTAINED ON SITE AS REQUIRED BY THE GENERAL PERMIT (NYSDEC, 2020).

THE OWNER OR OPERATOR SHALL HAVE A TRAINED CONTRACTOR INSPECT THE EROSION AND SEDIMENT CONTROL PRACTICES AND POLLUTION PREVENTION MEASURES BEING IMPLEMENTED WITHIN THE ACTIVE WORK AREA DAILY TO ENSURE THAT THEY ARE BEING MAINTAINED IN EFFECTIVE OPERATING CONDITION, AT ALL TIMES. IF DEFICIENCIES ARE IDENTIFIED, THE CONTRACTOR SHALL BEGIN IMPLEMENTING CORRECTIVE ACTIONS WITHIN ONE BUSINESS DAY AND SHALL COMPLETE THE CORRECTIVE ACTIONS IN A REASONABLE TIME FRAME.

THE CONTRACTOR MUST REMOVE ANY SILT DEPOSITS GREATER THAN 6" COLLECTED ON THE FILTER FABRIC AND OR SILT SOCK BARRIERS AND EXCAVATE AND REMOVE AND SILT FROM DROP INLET PROTECTION.

THE CONTRACTOR MUST APPLY TEMPORARY SEED AND MULCH TO ALL DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINISHED GRADE AND VEGETATED WITHIN 7 DAYS, WHEN AREAS ARE DISTURBED AFTER THE GROWING SEASON. THE CONTRACTOR MUST STABILIZE SAME WITH GEOTEXTILE FABRIC AND MAINTAIN SAME IN STRICT ACCORDANCE WITH BEST MANAGEMENT PRACTICES.

THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL MEASURES IF ENGINEER SO REQUIRES, TO PREVENT ANY, INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXISTING SITE.

THE CONTRACTOR MUST BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES ON THE SITE UNTIL PERMANENT PAVING AND TURF/LANDSCAPING IS ESTABLISHED. THE COST OF INSTALLING AND MAINTAINING THE EROSION CONTROL MEASURES MUST BE INCLUDED IN THE BID PRICE FOR THE SITE WORK AND THE CONTRACTOR IS RESPONSIBLE FOR SUCH COSTS.

THE CONTRACTOR MUST CONTINUE TO MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND THE ESTABLISHMENT OF VEGETATION.

THE CONTRACTOR MUST REMOVE EROSION CONTROL MEASURES, SILT, AND DEBRIS AFTER ESTABLISHING PERMANENT VEGETATION COVER OR OTHER INSTALLING A DIFFERENT, SPECIFIED METHOD OF STABILIZATION.

THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION OF TEMPORARY EROSION AND SEDIMENT CONTROL NECESSARY TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AND/OR TO PREVENT ANY, INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM THE EXISTING SITE.

THE CONTRACTOR MUST PROTECT ALL EXISTING TREES AND SHRUBS. THE CONTRACTOR MUST REFER TO THE LANDSCAPE AND/OR DEMOLITION PLAN(S) FOR TREE PROTECTION, FENCE LOCATION, AND DETAILS.

THE CONTRACTOR MUST REFER TO THE GRADING PLANS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR MUST CLEAN EXISTING AND PROPOSED DRAINAGE STRUCTURES AND INTERCONNECTING PIPES ON OR OFF-SITE AS THE JURISDICTIONAL AGENCY REQUIRES, BOTH AT THE TIME OF SITE STABILIZATION AND AT THE END OF PROJECT.

SOIL EROSION CONTROL MEASURES MUST BE ADJUSTED OR RELOCATED BY THE CONTRACTOR AS IDENTIFIED DURING SITE OBSERVATION, IN ORDER TO MAINTAIN THE COMPLETE EFFECTIVENESS OF ALL EROSION CONTROL MEASURES.

THE CONTRACTOR MUST IDENTIFY, ON THE PLAN, THE LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS, AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED.

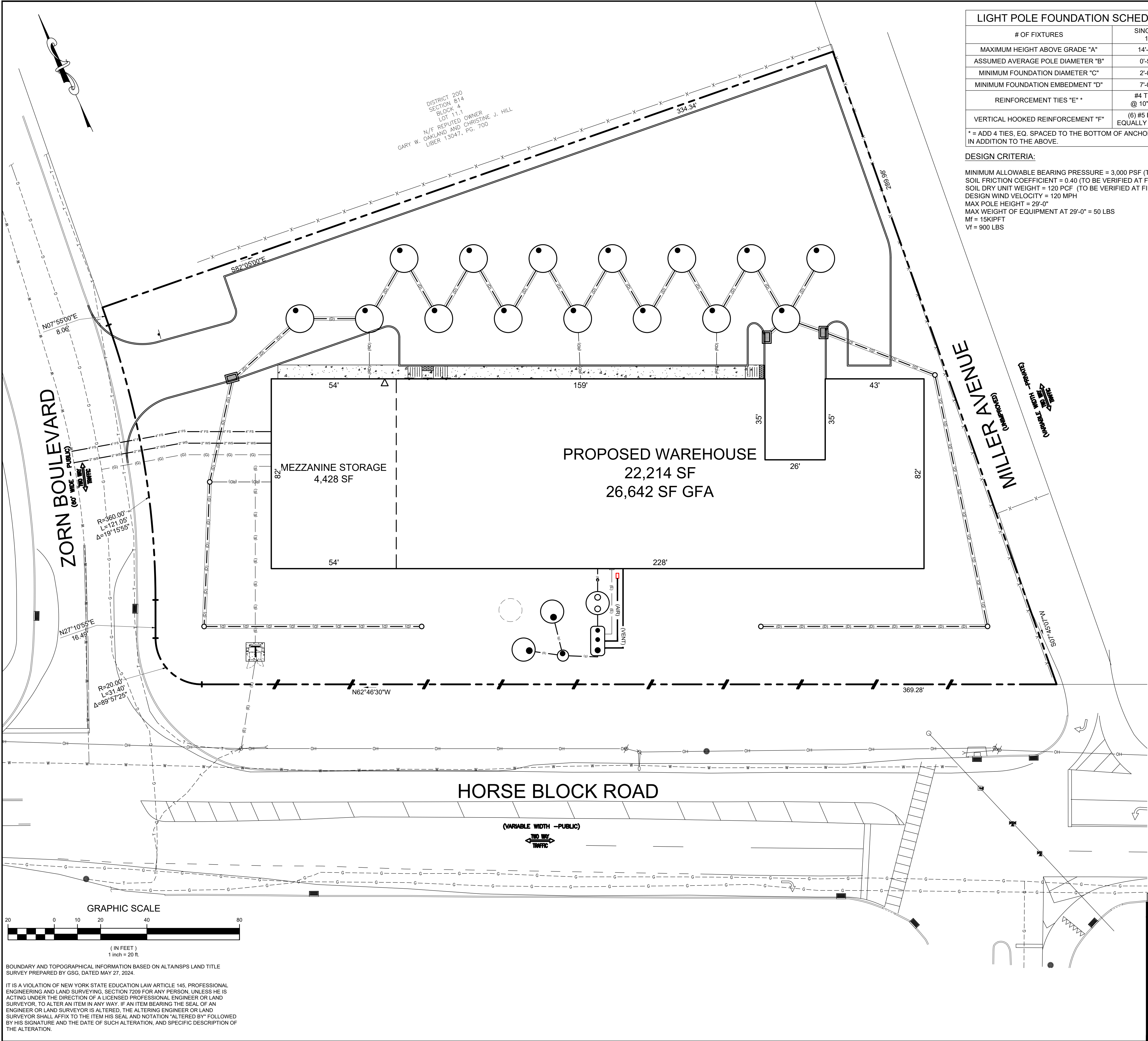
THE CONTRACTOR MUST PERFORM DEWATERING (IF REQUIRED), IN ACCORDANCE WITH ANY AND ALL NECESSARY DISCHARGE PERMITS ASSOCIATED SAME.

THE CONTRACTOR MUST LOCATE CONSTRUCTION WASTE MATERIAL STORAGE AREAS TO MINIMIZE EXPOSURE TO STORMWATER. THE CONTRACTOR MUST IMMEDIATELY PLACE CONSTRUCTION WASTE IN ON-SITE STORAGE CONTAINERS UNTIL THAT CONSTRUCTION WASTE IS READY FOR OFF-SITE DISPOSAL. THE CONTRACTOR MUST MAINTAIN SPILL PREVENTION & RESPONSE EQUIPMENT AND MAKE SAME CONTINUOUSLY AVAILABLE ON-SITE FOR USE BY THE CONTRACTOR'S EMPLOYEES WHO MUST BE PROPERLY TRAINED IN THE APPLICATION OF SPILL PREVENTION & RESPONSE PROCEDURES.

EROSION CONTROL MEASURES MUST CONFORM TO THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL UNLESS OTHERWISE NOTED. OR UNLESS ENGINEER CLEARLY AND SPECIFICALLY, IN WRITING, DIRECTS OTHERWISE. INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK MUST BE PERFORMED EXACTLY AS INDICATED IN THE EROSION CONTROL CONSTRUCTION NOTES.

NO.		DATE:	REVISIONS:		BY:
DRAFT		2024-08-26	EROSION CONTROL PLAN		
			FOR		
			HORSEBLOCK ROAD & ZORN BOULEVARD		
			SITUATED AT		
			YAPHANK		
			TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK		
			S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00		
			PROJECT NO.:		IB
			DRAWN BY:		JC
			CHECKED BY:		JC
			DATE:		AUGUST 2024
			SCALE:		1" = 20'
			FILE NO.:		
			CADD:		HBR-SP.DWG
			DRAWING NO.:		C-106
			SHEET NO.:		6 of 13





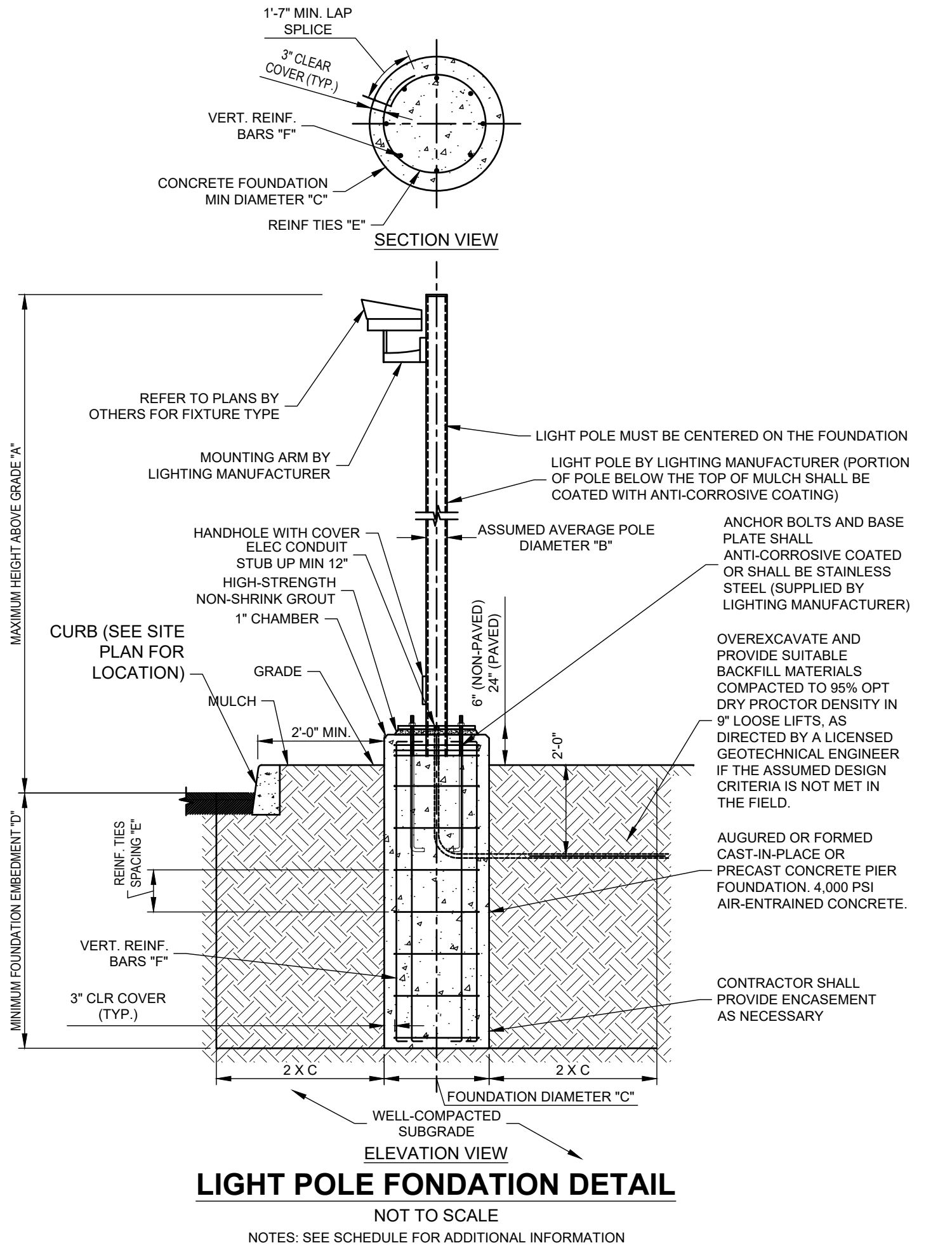
LIGHT POLE FOUNDATION SCHEDULE	
# OF FIXTURES	SINGLE
MAXIMUM HEIGHT ABOVE GRADE "A"	14'-0"
ASSUMED AVERAGE POLE DIAMETER "B"	0'-5"
MINIMUM FOUNDATION DIAMETER "C"	2'-0"
MINIMUM FOUNDATION EMBEDMENT "D"	7'-0"
REINFORCEMENT TIES "E" *	#4 TIES @ 10" C-C
VERTICAL HOOKED REINFORCEMENT "F"	(6) #5 BARS EQUALLY SPACED

DESIGN CRITERIA:

MINIMUM ALLOWABLE BEARING PRESSURE = 3,000 PSF (TO BE VERIFIED AT FIELD)
SOIL FRICTION COEFFICIENT = 0.40 (TO BE VERIFIED AT FIELD)
SOIL DRY UNIT WEIGHT = 120 PCF (TO BE VERIFIED AT FIELD)
DESIGN WIND VELOCITY = 120 MPH
MAX POLE HEIGHT = 29'-0"
MAX WEIGHT OF EQUIPMENT AT 29'-0" = 50 LBS
Mf = 15KIPEFT
Vf = 900 LBS

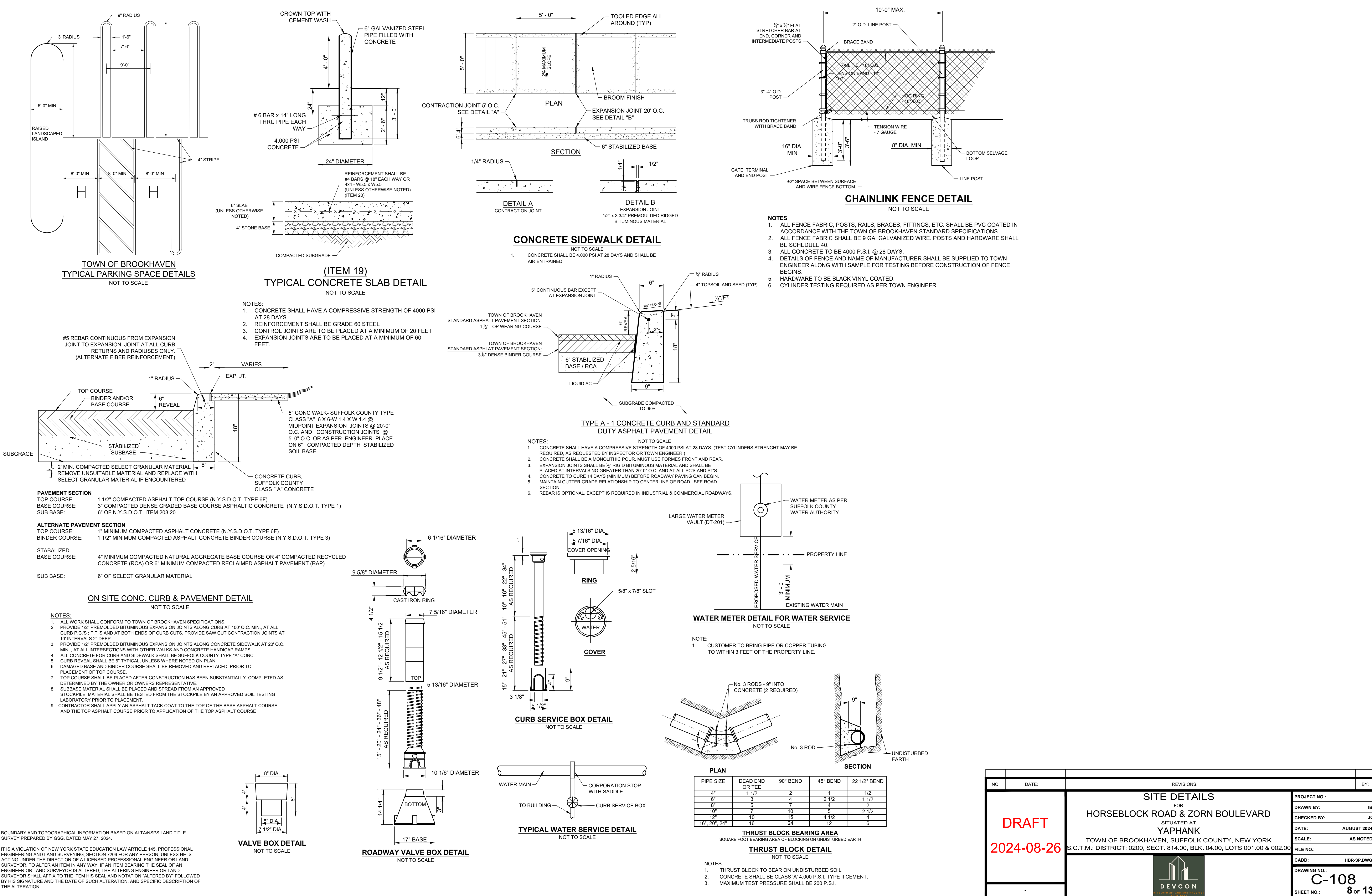
LIGHT POLE FOUNDATION NOTES:

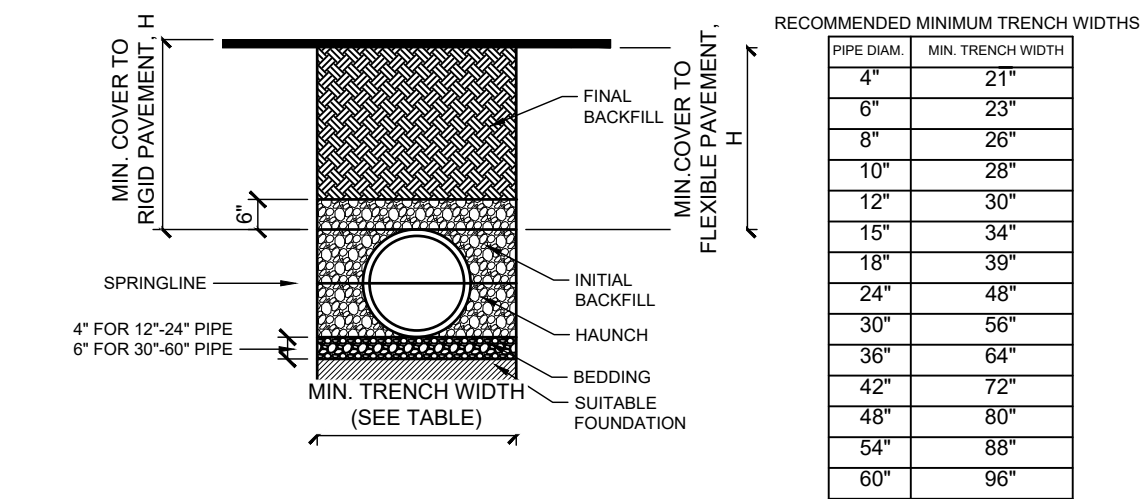
- STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH ACI-318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE." DETAILS SHALL BE IN ACCORDANCE WITH ACI-315, "MANUAL OF STANDARD PRACTICE: DETAILS AND DETAILING OF CONCRETE REINFORCEMENT." FORMWORK SHALL CONFORM ACI-347 "GUIDE TO FORMWORK FOR CONCRETE", UNLESS OTHERWISE NOTED ON THE CONTRACT DOCUMENTS.
- CONCRETE SHALL BE NORMAL WEIGHT STONE AGGREGATE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. HISTORICAL DATA OR LABORATORY TESTS FOR THE PRELIMINARY DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. THE WATER-CEMENT RATIO FOR THE PROPOSED MIX DESIGN SHALL ACHIEVE AN AVERAGE 28-DAY STRENGTH OF 1,200 PSI GREATER THAN THE REQUIRED STRENGTH ON LABORATORY TEST RESULTS.
- CONCRETE SHALL HAVE A SLUMP NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
- EXPOSED CONCRETE SHALL BE AIR ENTRAINED, 6% (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
- CONCRETE SHALL BE CONSOLIDATED IN PLACE USING AN INTERNAL VIBRATOR.
- REINFORCING STEEL BARS SHALL BE BILLET STEEL, ASTM A615, GRADE 60. ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES SHALL BE PLASTIC TIPPED. ALL ACCESSORIES SHALL BE GALVANIZED.
- ALL SPLICES OF REINFORCING BARS NOT INDICATED ARE TO BE LTS AS PER THE STANDARD REINFORCING SPLICE SCHEDULE OR 40 BAR DIAMETERS. DISCONTINUOUS ENDS OF CONTINUOUS BARS SHALL BE STANDARD HOOKS.
- SHOP DRAWINGS OF REINFORCING TO BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION AND ORDERING OF MATERIAL. SHOP DRAWINGS SHALL SHOW ALL REINFORCEMENT, SPLICE LENGTHS, BAR LENGTHS, BEND SCHEDULES, AND CONCRETE DIMENSIONS. REINFORCING LAYERS SHALL BE SHOWN SEPARATELY ON SHOP DRAWINGS.
- CONCRETE FIELD TESTS SHALL BE PERFORMED AS REQUIRED BY GOVERNING CODES BY A QUALIFIED INDEPENDENT INSPECTION FIRM. TESTS SHALL NOT BE TAKEN LESS THAN ONCE A DAY OR LESS THAN ONCE PER 150 CUBIC YARDS OF CONCRETE. NO LESS THAN 6 TEST CYLINDERS ARE TO BE TAKEN TO OBTAIN 7-DAY AND 28-DAY AVERAGE COMPRESSIVE STRENGTHS.
- IF CAVING OF DRILLED HOLES ARE ENCOUNTERED, CONTRACTOR SHALL PROVIDE BENTONITE SLURRY IN PERMANENT CASINGS FOR DRILLED CONCRETE PIER FOUNDATIONS.
- CONCRETE SHALL ATTAIN 80% OF THE DESIGN STRENGTH OR CURE FOR A MINIMUM OF 7-DAYS PRIOR TO THE INSTALLATION OF THE LIGHT POLES OR ALL LIGHTPOLES ARE TO BE SUITABLY BRACED AGAINST WIND LOADS DURING THE ABOVE MENTIONED TIMEFRAME.
- CONTRACTOR IS RESPONSIBLE FOR OVER EXCAVATION OF UNACCEPTABLE SOILS AND REPLACEMENT WITH CONTROLLED STRUCTURAL FILL IF ADVISED BY GEOTECHNICAL ENGINEER, TO BE RETAINED BY CONTRACTOR FOR NECESSARY INSPECTION SERVICES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS, COORDINATE WITH ALL CONTRACT DRAWINGS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL ENSURE NO CONFLICTS ARISE BETWEEN LIGHT POLE FOUNDATIONS, STRUCTURES, AND UTILITIES. IF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND DESIGN PLANS ARISE, THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY.
- ALL ELECTRICAL COMPONENTS TO COMPLY WITH N.E.C.



NO.		DATE:		REVISIONS:		BY:	
DRAFT		2024-08-26		LIGHTING PLAN		PROJECT NO.:	
				FOR		DRAWN BY: IB	
				HORSEBLOCK ROAD & ZORN BOULEVARD		CHECKED BY: JC	
				SITUATED AT		DATE: AUGUST 2024	
				YAPHANK		SCALE: 1" = 20'	
				TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK		FILE NO.:	
				S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00		CADD: HBR-SP.DWG	
						DRAWING NO.:	
						C-107	
						SHEET NO.:	
						7 of 13	







NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR JOINT UNDERGROUND INSTALLATION OF RIGID POLYESTER PLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS"; LATEST EDITION.
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL WHEN REQUIRED.
3. FOR UNDERGROUND INSTALLATION, TRENCH BOTTOM IS UNSUITABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE CONTRACTOR MAY COMPLY WITH THE REQUIREMENTS OF USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" FOR 4'-24" & 30" FOR 30'-60".
5. FOR OPEN TRENCH INSTALLATION, THE CONTRACTOR SHALL PROVIDE A 12" OR MORE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF THE PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION; FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" FROM THE AREAS ABOVE THE PIPE TO THE TOP OF THE ROAD SURFACE. COVER SHALL BE ASSURED FROM BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

-
- Diagram of a standard 4' x 8' curb inlet with a 4' x 8' grate. The diagram shows the curb inlet dimensions: 4'-0" wide by 8'-0" deep. The grate is 4'-0" wide by 8'-0" deep. The curb is 8" high. The grate is 2'-7 1/2" wide by 3'-11 1/2" deep. The text "TOP OF CURB INLET TO BE STENCILED WITH 'YOU DUMP IT, YOU DRINK IT. NO WASTE TO HERE'" is shown above the grate. The diagram is labeled "PLAN".



NOTE:

1. CATCH BASIN SHALL CONFORM TO N.C.D.P.W. STANDARDS.
2. ALL PRECAST DRAINAGE STRUCTURES SHALL BE FURNISHED WITH PRECAST OPENINGS FOR DRAINAGE PIPE.
3. ALL CATCH BASINS WITH MORE THAN (1) PIPE CONNECTION SHALL BE N.C.D.P.W. TYPE "B".
4. ALL CONCRETE SHALL BE CLASS "A".



- NOTES:**
1. ALL PIPE AND FITTINGS SHALL BE MANUFACTURED BY ADS-TYPE N-12. INSTALLATION SHALL COMPLY WITH MANUFACTURERS RECOMMENDATIONS.
 2. ALL FITTINGS AND CONNECTIONS SHALL BE SOIL-TIGHT (ST) UNLESS OTHERWISE NOTED.
 3. REFER TO ARCHITECTS PLANS FOR DOWNSPOUT LOCATIONS AND SIZES.

STRUCTURE ID	GRATE / COVER ELEVATION	HIGH WATER	BOTTOM	INVERT	TYPE OF STRUCTURE	TOTAL DEPTH	COVER TYPE
LP-1	82.55	EL. 78.75	63.75	INV. SE = 74.75 INV. W = 75.25	12' Ø SLAB TOP LP x 15' ED	18.80'	SOLID COVER
LP-2	82.70	EL. 78.75	63.75	INV. NW = 74.50 INV. NE = 74.75 INV. SW = 79.40	12' Ø SLAB TOP LP x 15' ED	18.95'	SOLID COVER
LP-3	83.00	EL. 78.75	63.75	INV. N = 74.50 INV. NE = 74.75	12' Ø SLAB TOP LP x 15' ED	19.25'	SOLID COVER
LP-4	82.35	EL. 78.75	63.75	INV. N = 74.50 INV. NE = 74.75	12' Ø SLAB TOP LP x 15' ED	18.60'	SOLID COVER
LP-5	81.40	EL. 78.75	63.75	INV. N = 74.50 INV. NE = 74.75 INV. SW = 79.40	12' Ø SLAB TOP LP x 15' ED	17.65'	SOLID COVER
LP-6	80.45	EL. 77.75	62.75	INV. N = 74.50 INV. NE = 74.75	12' Ø SLAB TOP LP x 15' ED	17.70'	SOLID COVER
LP-7	79.55	EL. 77.00	62.00	INV. N = 74.50 INV. NE = 74.75 INV. SW = 79.40	12' Ø SLAB TOP LP x 15' ED	17.55'	SOLID COVER
LP-8	79.00	EL. 76.00	61.00	INV. N = 74.50 INV. NE = 74.75 INV. SE = 75.00 INV. W = 75.20	12' Ø SLAB TOP LP x 15' ED	18.00'	SOLID COVER
LP-9	79.80	EL. 77.00	62.00	INV. SW = 74.50	12' Ø SLAB TOP LP x 15' ED	17.80'	SOLID COVER
LP-10	80.05	EL. 77.00	62.00	INV. SW = 74.50 INV. S = 74.75	12' Ø SLAB TOP LP x 15' ED	18.05'	SOLID COVER
LP-11	80.70	EL. 77.75	62.75	INV. SW = 74.50 INV. S = 74.75	12' Ø SLAB TOP LP x 15' ED	17.95'	SOLID COVER
LP-12	81.40	EL. 78.75	63.75	INV. SW = 74.50 INV. S = 74.75	12' Ø SLAB TOP LP x 15' ED	17.65'	SOLID COVER
LP-13	82.30	EL. 78.75	63.75	INV. SW = 74.50 INV. S = 74.75	12' Ø SLAB TOP LP x 15' ED	18.55'	SOLID COVER
LP-14	83.25	EL. 78.75	63.75	INV. SW = 74.50 INV. S = 74.75	12' Ø SLAB TOP LP x 15' ED	19.50'	SOLID COVER
LP-15	83.30	EL. 78.75	63.75	INV. SW = 74.50 INV. S = 74.75	12' Ø SLAB TOP LP x 15' ED	19.55'	SOLID COVER

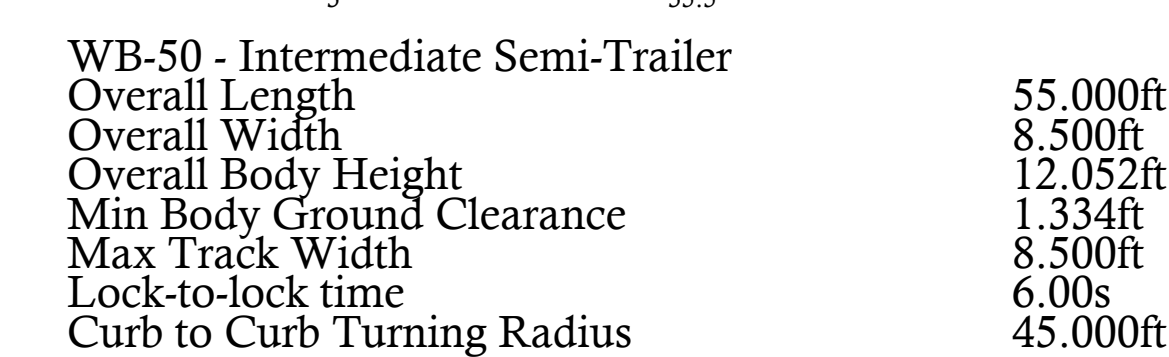
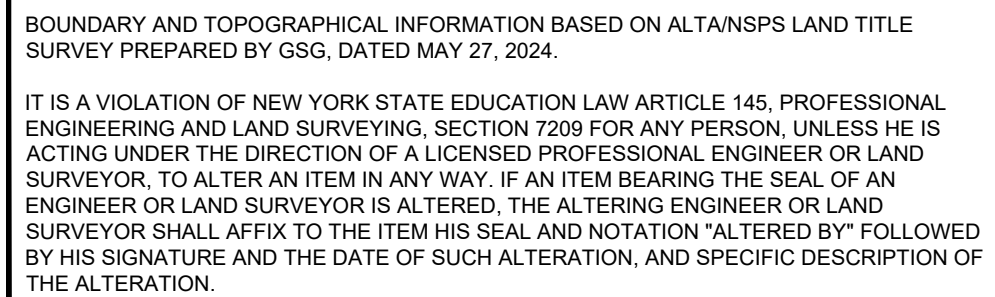


- NOTES:**

NOT TO SCALE

 1. CONCRETE TO BE 1:2:4 MIX WITH 4" - 5" SLUMP AND AGGREGATE PASSING THE 3/4" SIEVE.
 2. ALL DRAINAGE PIPES MUST BE PROVIDED WITH A MINIMUM COVER OF 2" - 0".
 3. ALL CONCRETE TO BE 4,000 PSI, AT 28 DAYS, AND AIR ENTRAINED. WWF SHALL MEET A82 AND A185. REBAR SHALL MEET ASTM A615, GRADE 60.
 5. WINDOW TO BE CAST IN STRUCTURE AS REQUIRED. KNOCK-OUT PANELS WILL NOT BE PERMITTED.

DRAINAGE STRUCTURE TABLE			
STRUCTURE ID	GRATE / COVER ELEVATION	INVERT	TYPE OF STRUCTURE
CB-1	81.90	INV. SW = 75.75 INV. E = 75.75	CB TYPE 1
CB-2	78.75	INV. E = 75.25	CB TYPE 1
CB-3	78.75	INV. SE = 75.20 INV. NW = 75.20	CB TYPE 1
DB-1	81.40	INV. NW = 77.90	24" Ø AD
DB-2	82.50	INV. SE = 76.90 INV. NE = 76.90	24" Ø AD
DB-3	81.40	INV. SW = 76.25 INV. NE = 76.25 INV. SE = 79.40	24" Ø AD
DB-4	81.40	INV. SE = 77.90	24" Ø AD
DB-5	81.40	INV. N = 76.90 INV. NW = 76.90	24" Ø AD
DB-6	83.87	INV. NW = 75.75 INV. S = 75.75	24" Ø AD



NO.	DATE:	REVISIONS:			BY:
DRAFT 2024-08-26	TRUCK TURNING PLAN FOR HORSEBLOCK ROAD & ZORN BOULEVARD SITUATED AT YAPHANK TOWN OF BROOKHAVEN, SUFFOLK COUNTY, NEW YORK S.C.T.M.: DISTRICT: 0200, SECT. 814.00, BLK. 04.00, LOTS 001.00 & 002.00				
					
PROJECT NO.: DRAWN BY: IB CHECKED BY: JC DATE: AUGUST 2024 SCALE: 1" = 20' FILE NO.: CADD: HBR-SP.DWG DRAWING NO.: C-112 SHEET NO.: 12 of 13					

