

VICINITY MAP SCALE: 1" = 1,000'

- BOLLARD
- CATCH BASIN
- DRAIN INLET
- EVERGREEN TREE
- ELECTRIC MANHOLE
- GROUND LIGHT
- GAS VALVE
- HYDRANT
- METAL LIGHT POLE
- UNKNOWN MANHOLE
- UTILITY POLE
- WOOD LIGHT POLE
- WATER VALVE SANITARY CLEAN OUT

GAS SERVICE

WATER MAIN

- DECIDUOUS TREE
- CHAIN LINK FENCE UNDERGROUND ELECTRIC GAS MAIN
- GS——— GS—

— W ——— W —

- WALKS, SHEDS, DECKS, ASPHALT AND CONCRETE PAVEMENTS, CURBS, LIGHTS, POLES, SIGNS, BENCHES, GATES, FENCING, DRAINAGE AND SANITARY SEWER STRUCTURES, ELECTRIC AND TELEPHONE MANHOLES, ETC., SHOWN WITHIN THE LIMITS OF DEMOLITION INDICATED ON THE PLAN. FLOOR SLABS. FOOTINGS AND FOUNDATION WALLS SHALL BE COMPLETELY REMOVED AS PART OF THIS WORK. ALL EXCAVATIONS SHALL BE BACKFILLED WITH SELECT GRANULAR MATERIAL AS DEFINED IN SECTION 203 OF N.Y.S.D.O.T. STANDARD SPECIFICATIONS. COMPACTION OF BACKFILL SHALL CONFORM TO N.Y.S.D.O.T. SECTION 203. EXCAVATED AREAS SHALL BE BACKFILLED UP TO EXISTING GRADE ELEVATIONS OF SURROUNDING AREAS. ITEMS SHOWN TO REMAIN SHALL BE PROTECTED AND
- 2. UNLESS OTHERWISE INDICATED TO BE REMOVED, THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL OTHER EXISTING FACILITIES AND EXISTING TREES WITHIN THE LIMIT OF DEMOLITION AND THE OVERALL SITE FOR THE DURATION OF
- 3. UNLESS OTHERWISE REQUIRED OR INDICATED, ALL FACILITIES OUTSIDE THE LIMIT OF DEMOLITION SHALL BE PROTECTED AND MAINTAINED.
- 4. THE SITE IS TO BE VISITED BY THE CONTRACTOR TO DETERMINE EXISTING CONDITIONS OF THE SITE AND STRUCTURES TO BE REMOVED, PRIOR TO DEMOLITION.
- 5. CONDUCT DEMOLITION OPERATIONS AND THE REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND ADJACENT OCCUPIED OR USED FACILITIES.
- 6. ENSURE THE SAFE PASSAGE OF PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT
- INJURY TO ADJACENT BUILDINGS, STRUCTURES, FACILITIES AND PERSONS.
- 7. PROPERLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER. 8. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF ANY EXCAVATION OR DEMOLITION WORK. THE CONTRACTOR SHALL CONTACT THE OWNERS OF ALL UTILITIES SERVING THE BUILDINGS TO BE DEMOLISHED, PRIOR TO DEMOLITION. ALL UTILITY DISCONNECT PROCEDURES SHALL BE AS SPECIFIED BY THE UTILITY
- 9. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE TOWN BUILDING DEPARTMENT COVERING THE DEMOLITION WORK. WORK SHALL CONFORM WITH ALL THE REQUIREMENTS OF THE NEW YORK STATE FIRE PREVENTION AND BUILDING CODE, ALL APPLICABLE TOWN ORDINANCES AND THE REQUIREMENTS OF THE OFFICE OF THE COUNTY FIRE MARSHAL. THE

OWNER. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, INCLUDING ROAD OPENING PERMIT, REQUIRED.

- 10. CLEAN ADJACENT STRUCTURES AND DRIVEWAYS OF DUST, DIRT AND DEBRIS. RETURN ADJACENT AREAS TO CONDITION EXISTING PRIOR TO THE START OF THE WORK.
- 11. USE WATER SPRINKLING AND TEMPORARY ENCLOSURES TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST PRACTICAL LEVEL.
- 12. IF REQUIRED, ASBESTOS ABATEMENT, LEAD REMOVAL AND FUEL TANK REMOVAL IN CONFORMANCE WITH TOWN AND STATE REGULATIONS MUST BE PERFORMED PRIOR TO THE START OF DEMOLITION.
- 13. ALL EXISTING UTILITIES TO BE RE-USED MUST BE COORDINATED WITH THE APPROPRIATE AGENCIES FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
- 14. SEE SHEET EC-1 FOR EROSION CONTROL PLAN AND DETAILS.

CONTRACTOR SHALL OBTAIN AND PAY FOR ANY PERMITS REQUIRED.

15. ALL EXISTING ACCESSIBLE DRAINAGE STRUCTURES TO BE CLEANED AND INSPECTED AT THE COMPLETION OF

- EROSION CONTROL MEASURES WILL BE DICTATED BY FIELD CONDITIONS AS CONSTRUCTION PROGRESSES AND AS DIRECTED BY THE ENGINEER. THE FOLLOWING CONDITIONS SHALL BE OBSERVED:
- A. EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED. B. CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE THE SIZE OF EXPOSED AREAS AND THE
- LENGTH OF TIME THAT AREAS ARE EXPOSED. C. THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF VELOCITIES. RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.
- SEDIMENT SHALL BE TRAPPED ON THE SITE.
- SPECIFIC METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL CONFORM TO THE "NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL."
- 2. SEDIMENT BARRIERS (SILT FENCES, STRAW BALES OR APPROVED EQUAL) SHALL BE INSTALLED PRIOR TO ANY GRADING WORK ALONG THE LIMITS OF DISTURBANCES AND SHOULD BE MAINTAINED FOR THE DURATION OF THE WORK. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ONTO OR ENTER ADJACENT PROPERTIES, WETLANDS, ROADS, STORM DRAINS, WATER COURSES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL PAVED SURFACES (ROADWAYS, PARKING FIELDS, ETC.) CLEAN FOR THE DURATION OF THE CONTRACT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO THE PAVED SURFACES BY THE CONTRACTOR SHALL BE REMOVED IMMEDIATELY.
- 3. GRADED AND STRIPPED AREAS AND STOCKPILES SHALL BE KEPT STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AS REQUIRED. SEED MIXTURES SHALL BE IN ACCORDANCE WITH SOIL CONSERVATION SERVICE RECOMMENDATIONS, WHEN FINAL GRADING IS COMPLETE, THE CONTRACTOR SHALL COMPLETE THE WORK OF TURF ESTABLISHMENT WITHIN FOUR DAYS OR OTHERWISE STABILIZE THE AREA IF THE SEASON IS NOT APPROPRIATE FOR TURF ESTABLISHMENT. IN THIS CASE THE CONTRACTOR SHALL STABILIZE WITHIN 21 DAYS OF COMPLETING THE FINAL GRADING, WITH STRAW MULCH, OR OTHER APPROVED OR SPECIFIED MEANS UNTIL TURF ESTABLISHMENT CAN BE COMPLETED.
- 4. EXISTING DRAINAGE INLETS SHALL BE PROTECTED FROM SEDIMENT BUILDUP THROUGH THE USE OF SEDIMENT BARRIERS. SEDIMENT TRAPS, ETC., AS REQUIRED. CONTROLS SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREAS DRAINING TO THE INLET HAVE BEEN STABILIZED BY EITHER PAVING, SEEDING, OR SLOPE PROTECTION.
- 5. PROPER MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED BY THE CONTRACTOR AS INDICATED BY PERIODIC INSPECTION AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, CLEANING OF SEDIMENT BASINS OR TRAPS, CLEANING OR REPAIR OF SEDIMENT BARRIERS, CLEANING AND REPAIR OF BERMS AND DIVERSIONS AND CLEANING AND REPAIR OF INLET PROTECTION.
- 6. APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION.
- 7. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED.
- 8. SEDIMENT BARRIERS AND OTHER EROSION CONTROL MEASURE SHALL REMAIN IN PLACE UNTIL UPLAND DISTURBED AREAS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION, PAVED AREAS SHALL BE CLEANED AND DRAINAGE SYSTEMS CLEANED AND FLUSHED AS NECESSARY.
- 9. IN THE EVENT DEWATERING OPERATIONS BECOME NECESSARY, FILTRATION OF THE DISCHARGE WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS CLEAR AND FREE OF SEDIMENT. THE LOCATION AND DESIGN OF THIS FILTRATION METHOD SHALL BE APPROVED BY THE ENGINEER.

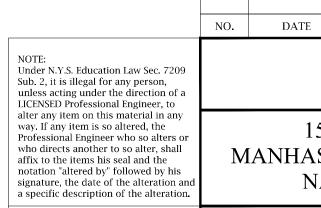
- 2. CALL BEFORE YOU DIG 1 (800) 272-4480 NEW YORK STATE'S INDUSTRIAL CODE 53 REQUIRES THAT THE UNDERGROUND PROTECTIVE ORGANIZATION BE CALLED AT LEAST TWO WORKING DAYS BEFORE YOU START TO DIG, DRILL, EXCAVATE, BLAST, DRIVE PIPE OR POSTS. WHEN YOU CALL, YOU MUST GIVE YOUR NAME. COMPLETE ADDRESS AND INFORMATION ABOUT WHAT YOU ARE PLANNING TO DO. SOMEONE WILL BE SENT OUT TO LOCATE ANY BURIED CABLE AND MARK THE SITE FOR YOU. IF A CABLE IS DAMAGE BEFORE THE CALL IS MADE TO THE UNDERGROUND PROTECTIVE ORGANIZATION, ANY REPAIR COSTS WILL BE CHARGED TO THE
- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENGAGE WITH AN APPROVED, PRIVATE UNDERGROUND UTILITY LOCATION AND MARK OUT COMPANY TO HAVE ALL ON-SITE UNDERGROUND UTILITIES, WITHIN THE WORK AREA, COMPLETELY LOCATED AND MARKED OUT, AT CONTRACTOR'S OWN EXPENSE.
- 4. SUBSURFACE INFORMATION SHOWN HEREON HAS BEEN TAKEN FROM VARIOUS DEPARTMENTS OF THE TOWN, COUNTY AND PUBLIC UTILITY COMPANIES. THIS INFORMATION IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL BEFORE COMMENCING ANY EXCAVATION, NOTIFY THE DEPARTMENTS AND UTILITY COMPANIES OF THEIR PROPOSED WORK AND REQUEST THAT THE PARTICULAR LINES BE MARKED BY COMPANY OR AGENCY HAVING JURISDICTION. THIS SHOULD BE DONE BY PROVIDING THE AFFECTED UTILITY WITH THE NOTICE REFERRED TO IN THE STATE OF NEW YORK INDUSTRIAL CODE 53.

SHEET INDEX

SHEET	INDEX		
SHEET NO.	SHEET TITLE	ORIGINAL DATE	REVISION # / DATE
DM-1 C-1 C-2 C-3 C-4 C-5	SITE REMOVAL PLAN PARKING AND SITE LAYOUT PLAN GRADING AND DRAINAGE PLAN LIGHTING PHOTOMETRIC PLAN SITE DETAILS DRAINAGE DETAILS	NOVEMBER, 2018 NOVEMBER, 2018 NOVEMBER, 2018 MAY 2, 2018 NOVEMBER, 2018 NOVEMBER, 2018	#1 /12-06-2018 #1 /12-06-2018 #1 /12-06-2018 #1 /12-06-2018 #1 /12-06-2018 #1 /12-06-2018
EC-1	EROSION CONTROL PLAN AND DETAILS	NOVEMBER, 2018	#1 /12-06-2018
L-1	LANDSCAPING PLAN	MAY 2, 2018	#1 /12-06-2018
RW-1 RW-2	RETAINING WALL SITE PLAN RETAINING WALL DETAILS	NOVEMBER, 2018 NOVEMBER, 2018	#1 /12-06-2018 #1 /12-06-2018

REFERENCE

1. TOPOGRAPHY SURVEY SIDNEY B. BOWNE & SON, LLP 235 E. JERICHO TURNPIKE MINEOLA, NY 11501 REV. #2 DATED: JUNE 15, 2015



SITE REMOVAL PLAN

REVISION

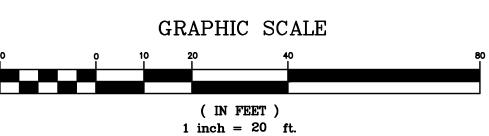
PLAN: 1'' = 20'

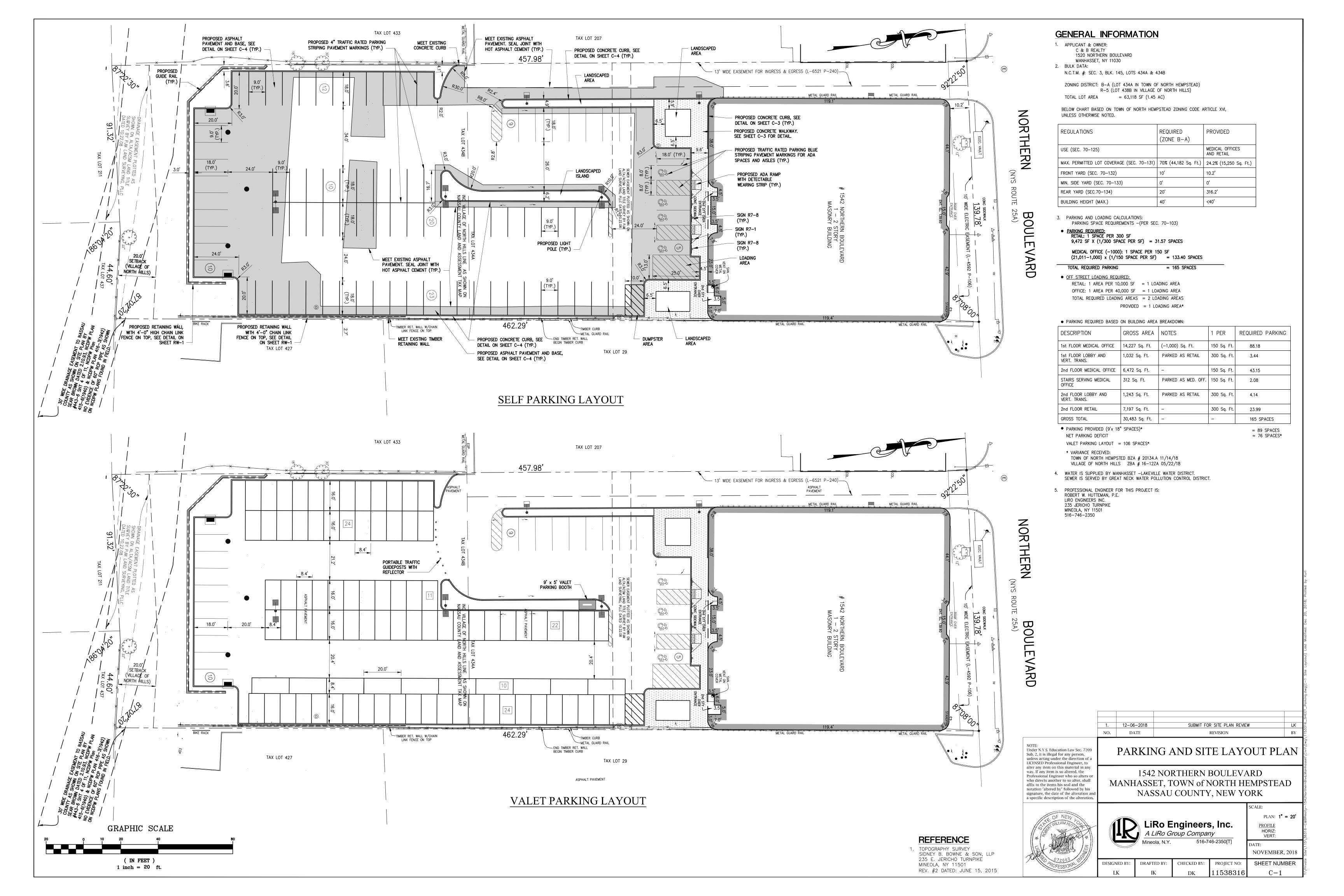
1542 NORTHERN BOULEVARD MANHASSET, TOWN of NORTH HEMPSTEAD NASSAU COUNTY, NEW YORK

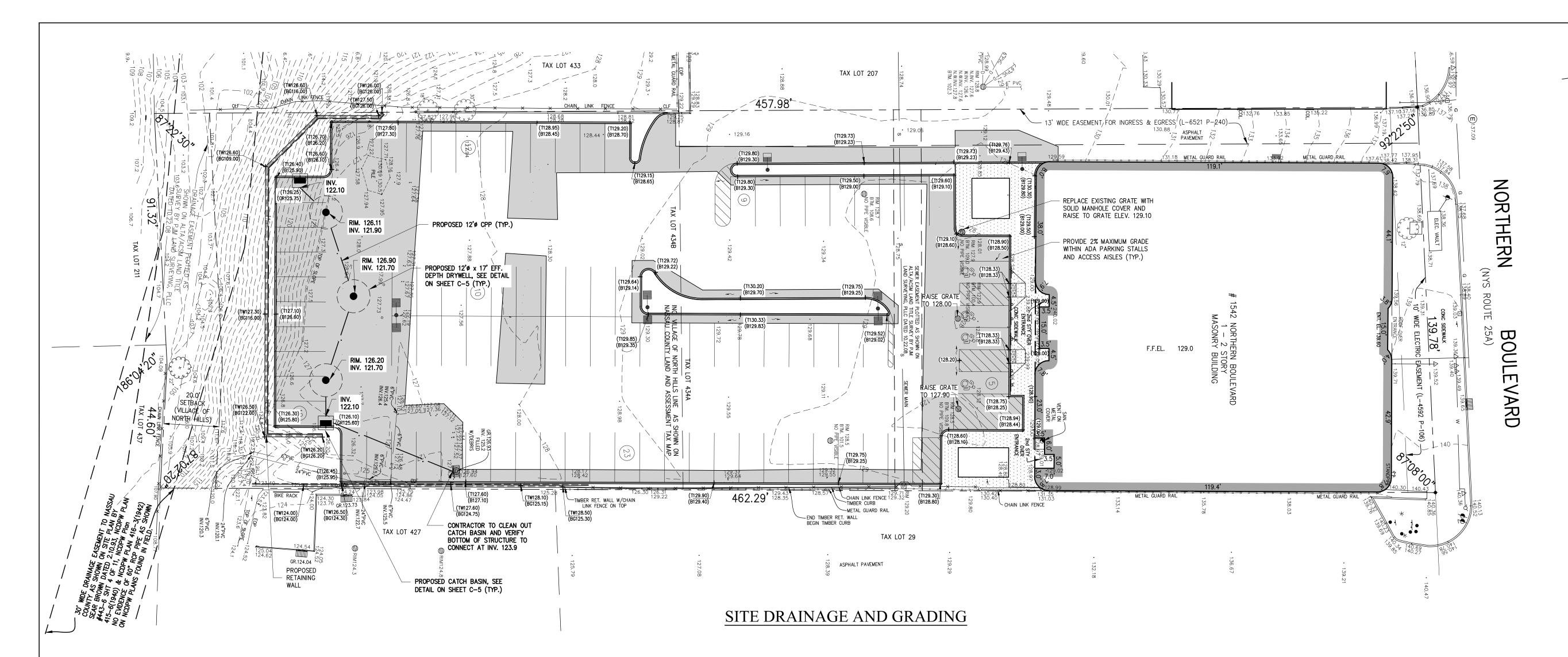


LiRo Engi	ineers, Inc.
A LiRo Group	<u>Company</u>
Mineola, N.Y.	516-746-2350[T]

<u>PROFILE</u> HORIZ: VERT: OATE: NOVEMBER, 2018 DESIGNED BY: DRAFTED BY: CHECKED BY: PROJECT NO SHEET NUMBER 11538316 DM-1







STORM DRAINAGE CALCULATIONS:

1. RUNOFF COEFFICIENT:
BUILDING = 1.0
PAVED AND IMPERVIOUS = 1.0
LANDSCAPE = 0.3

2. EXISTING CONDITIONS RUNOFF STORAGE VOLUME

BUILDING = 15,357 SF X 1.0 X 5"/12 = 6,398.8 CF

PAVED = 33,538 SF X 1.0 X 5"/12 = 13,974.2 CF

LANDSCAPE = 14,223 SF X 0.3 X 5"/12 = 1,777.9 CF

3. PROPOSED CONDITIONS RUNOFF STORAGE VOLUME
BUILDING = 15,357 SF X 1.0 X 5"/12 = 6,398.8 CF
PAVED = 40,126 SF X 1.0 X 5"/12 = 16,719.2 CF
LANDSCAPE = 7,635 SF X 0.3 X 5"/12 = 954.4 CF
PROPOSED CONDITIONS RUNOFF = 24,072.4 CF

4. TOTAL NET STORMWATER RUNOFF PROPOSED CONDITIONS RUNOFF - EXISTING CONDITIONS RUNOFF 27,072.4 CF - 22,150.9 CF = 4,921.5 CF REQUIRED.

5. PROVIDED (3) $12'\emptyset \times 17'$ EFF DEPTH DRYWELLS $3 \times 17' = 100.88$ CF/LF = 5,144.8 CF

6. SOIL BORING SHOULD BE PERFORMED TO DETERMINE THE APPROXIMATE ELEVATION OF RATEABLE SOIL.

EXISTING CONDITIONS RUNOFF = 22,150.9 CF

GENERAL NOTES:

- 1. PRIOR TO THE START OF ANY NEW WORK, THE CONTRACTOR SHALL PROVIDE MARK—OUT OF ALL EXISTING UTILITIES AND BELOW GRADE FACILITIES, INCLUDING DRAINAGE PIPES AND STRUCTURES, SANITARY SYSTEM, WATER SERVICES, ELECTRIC, GAS AND TELEPHONE SERVICES, ETC.
- 2. THE CONTRACTOR SHALL ADVISE THE OWNER AND THE ENGINEER OF ANY POTENTIAL CONFLICTS PRIOR TO THE START OF ANY NEW WORK.
- 3. ELEVATIONS SHOWN REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D. 29).

GRADING AND DRAINAGE NOTES:

- ALL PROPOSED STORMWATER DRYWELL EXCAVATION SHALL EXTEND A MINIMUM OF 6 FEET INTO SAND AND GRAVEL. THE EXCAVATION SHALL BE BACKFILLED, AS PER THE DETAIL, TO THE BOTTOM OF THE DRYWELL. REFER TO DRYWELL DETAILS.
- 2. ALL SITE DRAINAGE PIPE AND ROOF DRAIN PIPE SHALL BE MINIMUM 12" AND 8" RESPECTIVELY, AND SHALL BE ADS N-12 CORRUGATED POLYETHYLENE PIPE (CPP) MEETING THE STANDARDS AND INSTALLATION RECOMMENDATIONS OF ASTM F667 & F405 AND THE MANUFACTURER,
- UNLESS OTHERWISE SHOWN ON THE PLANS.

 3. ALL DRYWELLS SHALL BE CONSTRUCTED WITH THE FOLLOWING MINIMUM CLEARANCES:
 - a) 10' TO BUILDING WALLS
 b) 20' EDGE OF DRYWELL TO EDGE OF DRYWELL
 c) 10' MINIMUM TO PROPERTY LINES
- d) 10' MINIMUM TO WATER SERVICE LINES 4. WHERE ANY PLASTIC PIPE IS USED FOR INTERCONNECTION BETWEEN DRAINAGE STRUCTURES OR AS DRAINAGE LINES IT SHALL
- 5. IF REINFORCED CONCRETE PIPE (RCP) IS USED FOR INTERCONNECTION BETWEEN DRAINAGE STRUCTURES OR AS DRAINAGE LINES, IT SHALL BE CLASS IV AND PROVIDED WITH A MINIMUM OF

BE PROVIDED WITH A MINIMUM OF 2' - 0" OF COVER.

- 6. IF 2'-0' OF COVER CANNOT BE MAINTAINED THEN THE DRAINAGE
- PIPE SHALL BE DUCTILE IRON PIPE (DIP), CLASS 52 CEMENT LINED.
 7. NEW CONCRETE CURB REVEAL SHALL BE SIX (6) INCHES, UNLESS
- OTHERWISE INDICATED.

 8. ALL DRAINAGE STRUCTURES SHALL MEET TOWN OF NORTH HEMPSTEAD
- STANDARDS.

 9. A MINIMUM OF 1.0% PITCH TO BE MAINTAINED ON ALL LANDSCAPED AND PAVED AREAS. PITCH WITHIN PARKING AREAS SHALL BE NO

GREATER THAN 5.0%, EXCEPT NO GREATER THAN 2% IN ANY DIRECTION

- IN ACCESSIBLE PARKING AND ACCESS AREAS.

 10. ALL EXISTING ACCESSIBLE DRAINAGE STRUCTURES TO BE CLEANED AND INSPECTED AT THE COMPLETION OF CONSTRUCTION.
- 11. PER USGS GROUNDWATER MONITORING WELL #404742073410301-N8309.1, HIGHEST GROUND WATER ELEVATION IS 44.2.

UTILITY NOTES:

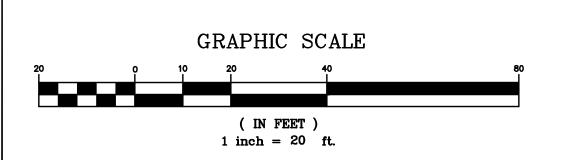
1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES PRIOR TO THE START OF ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY THIS WORK.

- 2. CALL BEFORE YOU DIG 1 (800) 272—4480 NEW YORK STATE'S INDUSTRIAL CODE 53 REQUIRES THAT THE UNDERGROUND PROTECTIVE ORGANIZATION BE CALLED AT LEAST TWO WORKING DAYS BEFORE YOU START TO DIG, DRILL, EXCAVATE, BLAST, DRIVE PIPE OR POSTS. WHEN YOU CALL, YOU MUST GIVE YOUR NAME, COMPLETE ADDRESS AND INFORMATION ABOUT WHAT YOU ARE PLANNING TO DO. SOMEONE WILL BE SENT OUT TO LOCATE ANY BURIED CABLE AND MARK THE SITE FOR YOU. IF A CABLE IS DAMAGE BEFORE THE CALL IS MADE TO THE UNDERGROUND PROTECTIVE ORGANIZATION, ANY REPAIR COSTS WILL BE CHARGED TO THE PERSON RESPONSIBLE.
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PROPERTY LINE CONCRETE CURB		
CONCRETE SIDEWALK		
CONCRETE SIDEWALK SANITARY SEWER	ss	
WATER SERVICE	w	
DRAINAGE PIPE	DD	DD
DRAINAGE MANHOLE		D
CATCH BASIN		
12' DIA. DRYWELL		
FIRE HYDRANT	ď	
TREE	£ 3	
SPOT GRADE	•139.15	+ (58.25)
TOP AND BOTTOM CURB ELEVATION		(T58.75) / (B58.25)
TOP OF RAMP AND BOT GRADE AT RAMP ELEVA		BG58.90 / TR60.20

PROPOSED

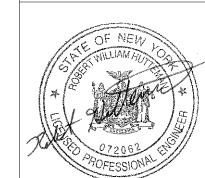
LEGEND:



NOTE:
Under N.Y.S. Education Law Sec. 7209
Sub. 2, it is illegal for any person,
unless acting under the direction of a
LICENSED Professional Engineer, to
alter any item on this material in any
way. If any item is so altered, the
Professional Engineer who so alters or
who directs another to so alter, shall
affix to the items his seal and the
notation "altered by" followed by his
signature, the date of the alteration and
a specific description of the alteration.

1. 12-06-2018

NO. DATE



GRADING AND DRAINAGE PLAN

SUBMIT FOR SITE PLAN REVIEW

CALE:

PROFILE

HORIZ: VERT:

PLAN: 1" = 20'

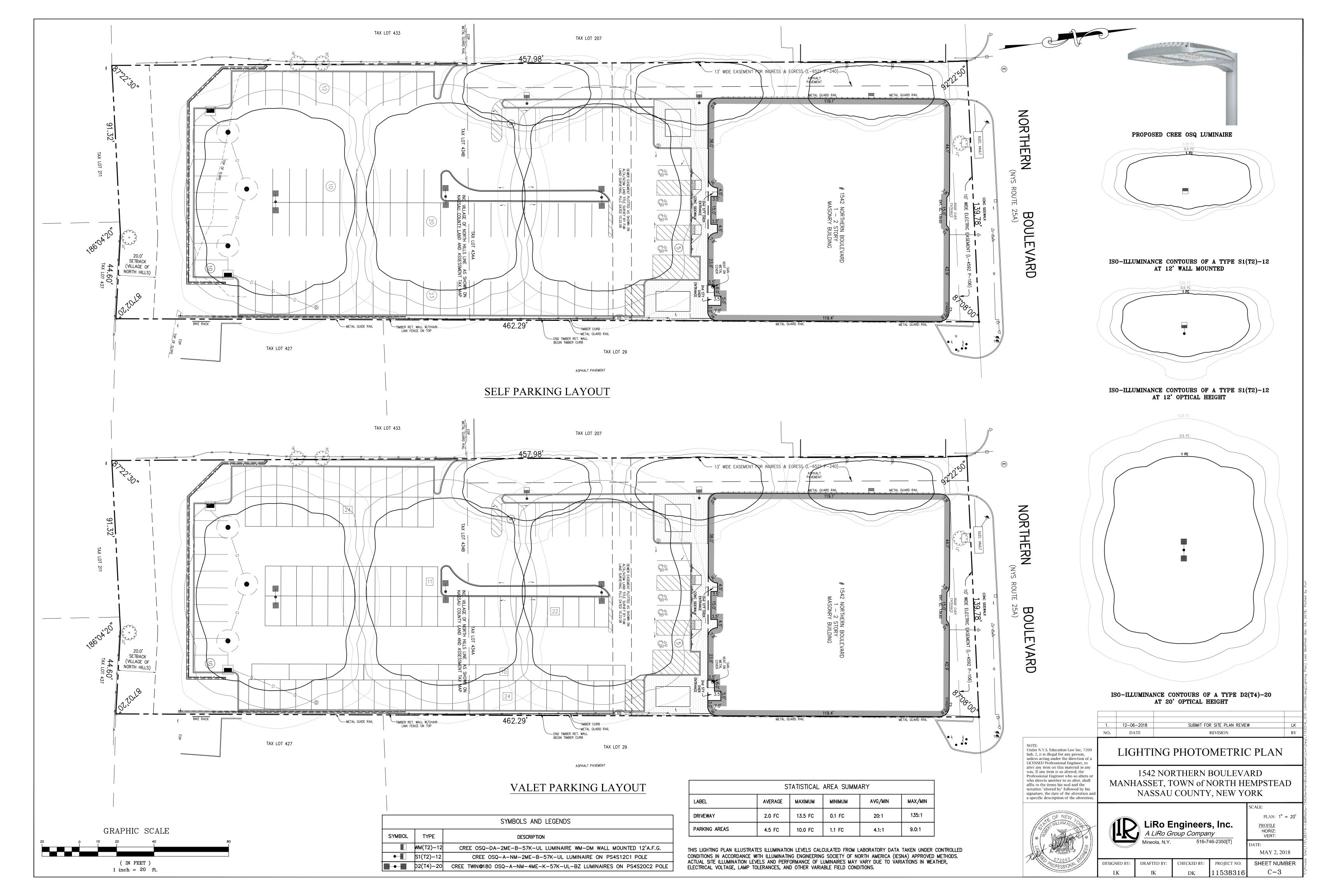
1542 NORTHERN BOULEVARD MANHASSET, TOWN of NORTH HEMPSTEAD NASSAU COUNTY, NEW YORK

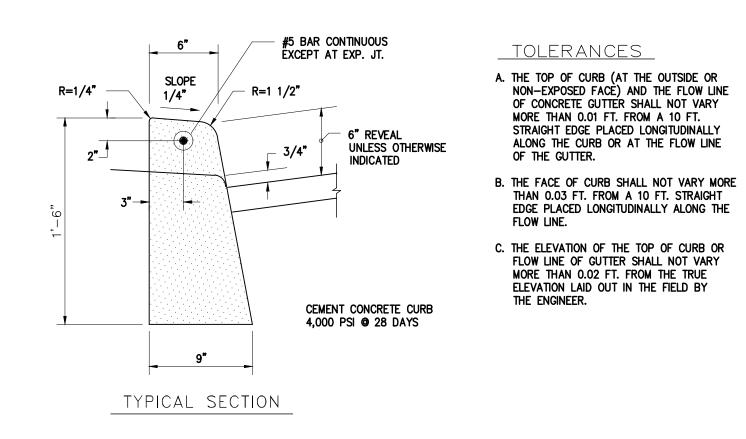


DATE:
NOVEMBER, 2018

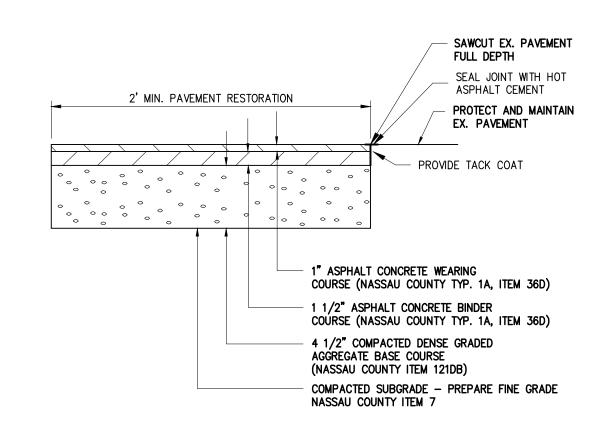
DESIGNED BY: DRAFTED BY: CHECKED BY: PROJECT NO: SHEET NUMBER

LK DK 11538316 C-2



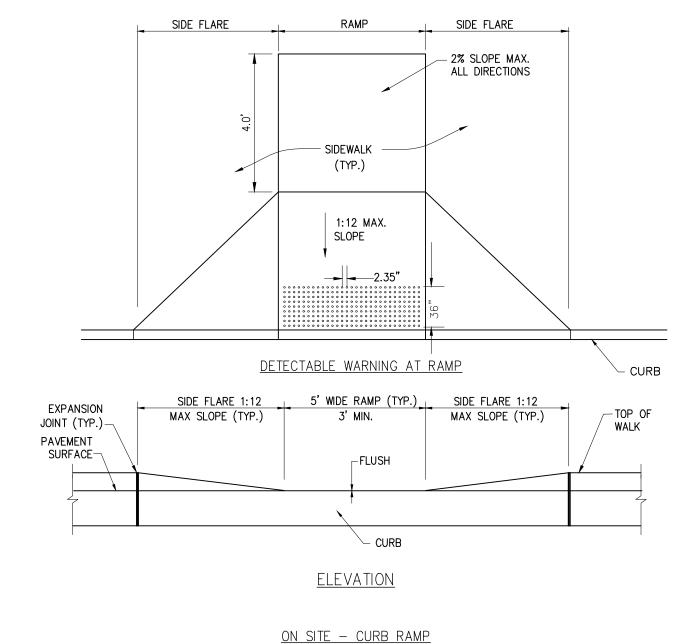


CEMENT CONCRETE CURB

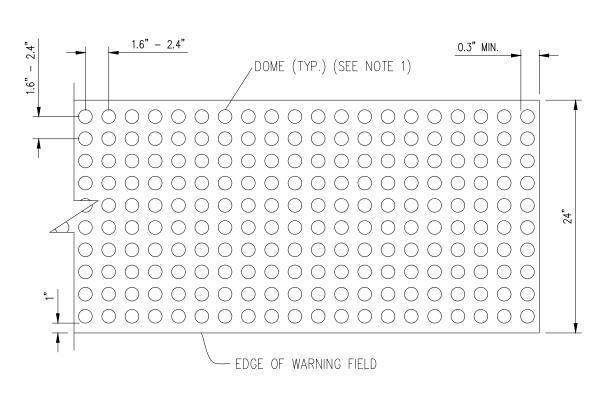


ASPHALT PAVEMENT SECTION

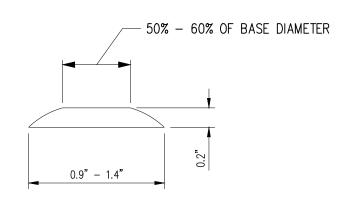
NOT TO SCALE



ACCESSIBLE RAMPS



DOME SPACING



DOME SECTION

ACCESSIBLE RAMP NOTES:

- CURB CUTS FOR ACCESSIBLE RAMPS SHALL BE LOCATED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- ABUTTING SIDEWALK GRADES SHALL BE MODIFIED AS REQUIRED TO CONFORM TO ACCESSIBLE RAMP REQUIREMENTS.
- THE NORMAL FLOW LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE ACCESSIBLE RAMP.
- 4. THE SURFACE OF THE ACCESSIBLE RAMP SHALL BE BROOM FINISHED TO PROVIDE A ROUGH SKID-PROOF SURFACE. THE TEXTURE OF THE FINISH SHALL BE APPROVED BY
- THE ENGINEER.

 5. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES
- DEPICTED ON THE DETECTABLE WARNING FIELD ARE FOR ILLUSTRATION ONLY.

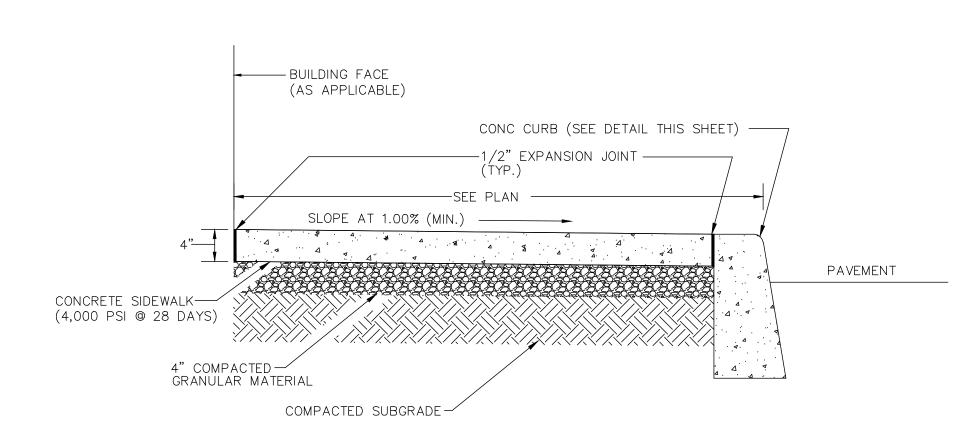
 6. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OF THE WARNING FIELD NEAREST TO THE ROADWAY OR STREET SURFACE IS 6" FROM THE EDGE OF THE ROADWAY/STREET, OR FROM THE FACE OF THE DROPPED CURB, WHERE A DROPPED CURB CONTINUES ACROSS THE BOTTOM OF THE SIDEWALK CURB RAMP. THE DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR
- FLUSH SURFACE.

 7. DOME ALIGNMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
- 8. THE DETECTABLE WARNING FIELD SHALL BE INTEGRALLY COLORED YELLOW CONCRETE OR AS DIRECTED BY OWNER.
 9. ACCESSIBLE RAMPS AND CURB RAMPS WHERE POURING OF A SEPARATE INTEGRALLY
- 9. ACCESSIBLE RAMPS AND CURB RAMPS WHERE POURING OF A SEPARATE INTEGRALLY COLORED CONCRETE IS REQUIRED, INSTALL SHEAR DOWELS 2'-0" O.C. AND KEYWAYS TO PREVENT HEAVING OF RAMPS WITH ADJACENT SIDEWALK OR CONCRETE
- 10. PAVER MANUFACTURERS OR APPROVED EQUAL:

 -HANOVER ARCHITECTURAL PRODUCTS, DETECTABLE WARNING PAVERS

 -TEKWAY DETECTABLE WARNING SYSTEM

 -NUWAY, CAST IN TACT, DETECTABLE WARNING PAVERS



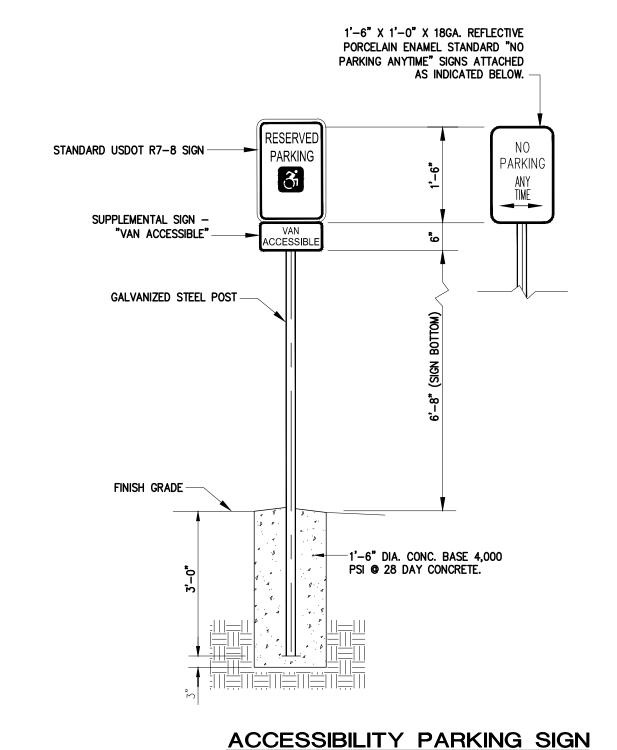
NOTES:

1. PROVIDE EXPANSION JOINTS © 20' C.C. AND AT SIDEWALK INTERFACE WITH CURB.

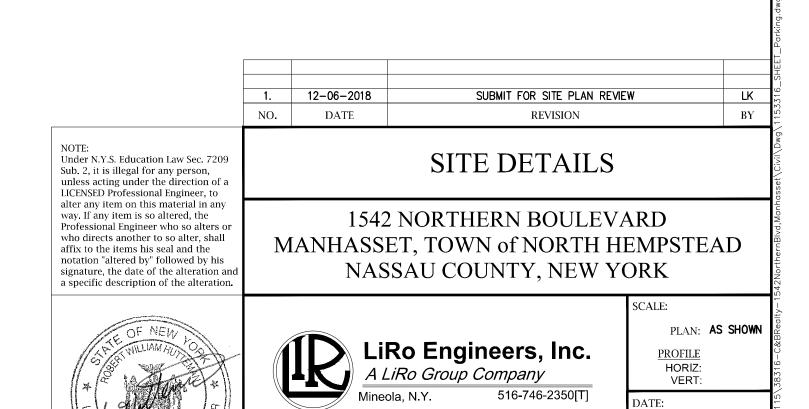
2. PROVIDE CONTROL JOINTS © SPACING EQUAL TO THE WIDTH OF SIDEWALK.

3. PROVIDE COMPRESSIBLE FILLER (3/4" MAX.). CUT BACK AND PROVIDE SEALANT AT ALL FILLER JOINTS.

CONCRETE SIDEWALK DETAIL NOT TO SCALE



NOT TO SCALE



DRAFTED BY:

CHECKED BY:

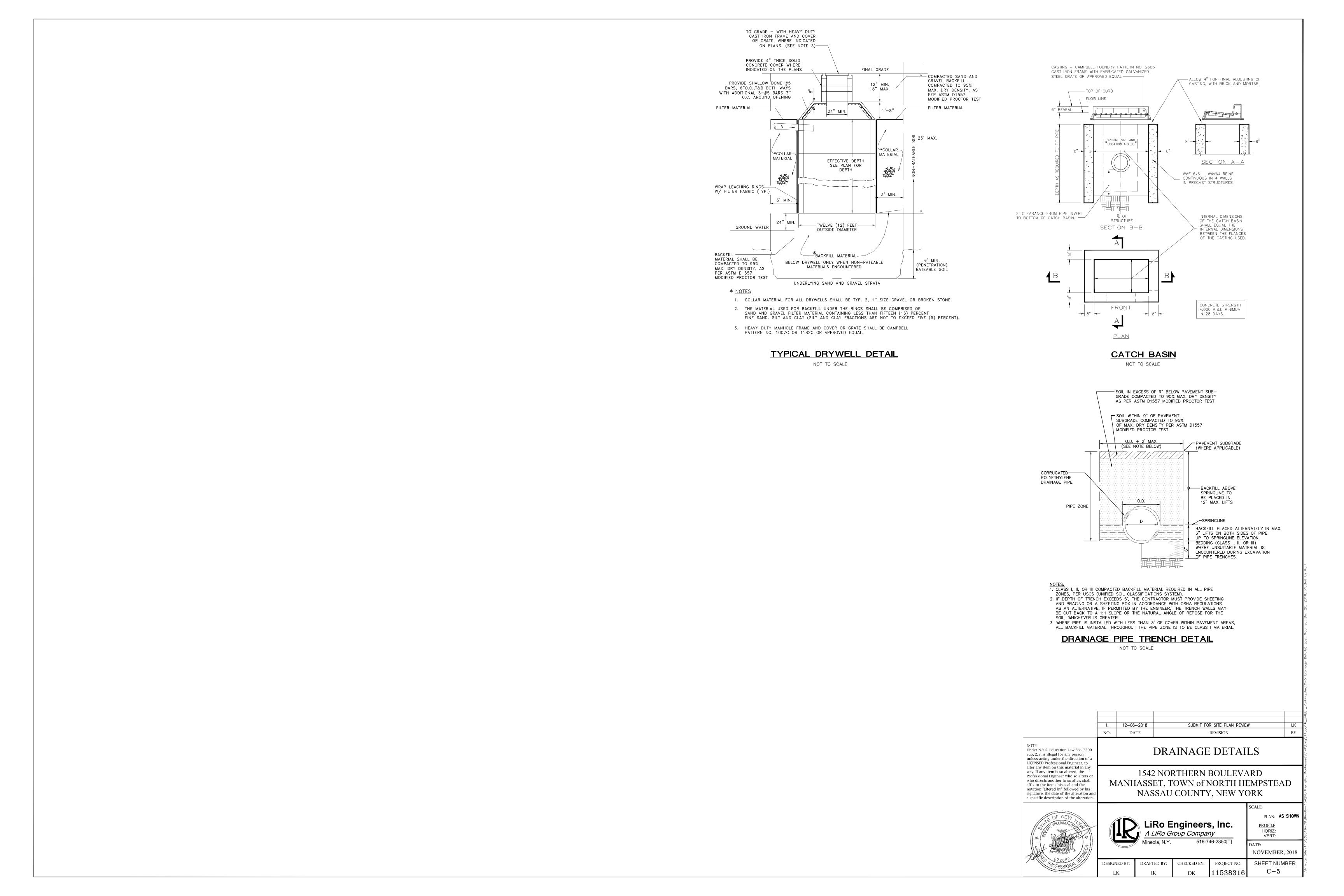
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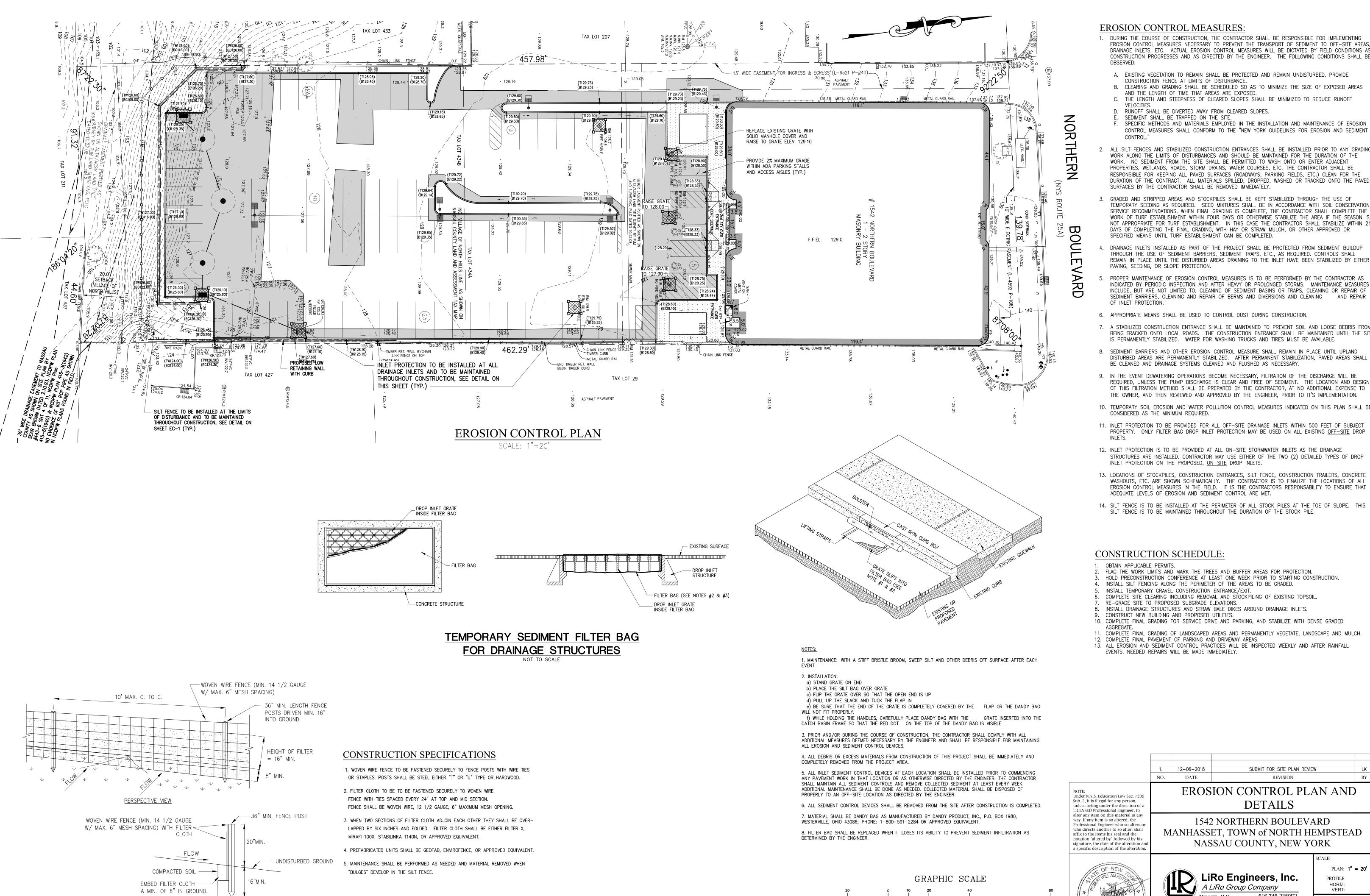
11538316

DESIGNED BY:

NOVEMBER, 2018

SHEET NUMBER





SECTION VIEW

SILT FENCE DETAIL

- 1. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL MEASURES NECESSARY TO PREVENT THE TRANSPORT OF SEDIMENT TO OFF-SITE AREAS DRAINAGE INLETS, ETC. ACTUAL EROSION CONTROL MEASURES WILL BE DICTATED BY FIELD CONDITIONS AS CONSTRUCTION PROGRESSES AND AS DIRECTED BY THE ENGINEER. THE FOLLOWING CONDITIONS SHALL BE
- - CONSTRUCTION FENCE AT LIMITS OF DISTURBANCE.
 - C. THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF
- SPECIFIC METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL CONFORM TO THE "NEW YORK GUIDELINES FOR EROSION AND SEDIMENT
- 2. ALL SILT FENCES AND STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO ANY GRADING WORK ALONG THE LIMITS OF DISTURBANCES AND SHOULD BE MAINTAINED FOR THE DURATION OF THE WORK. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ONTO OR ENTER ADJACENT PROPERTIES, WETLANDS, ROADS, STORM DRAINS, WATER COURSES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL PAVED SURFACES (ROADWAYS, PARKING FIELDS, ETC.) CLEAN FOR THE
- 3. GRADED AND STRIPPED AREAS AND STOCKPILES SHALL BE KEPT STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AS REQUIRED. SEED MIXTURES SHALL BE IN ACCORDANCE WITH SOIL CONSERVATION SERVICE RECOMMENDATIONS. WHEN FINAL GRADING IS COMPLETE, THE CONTRACTOR SHALL COMPLETE THE WORK OF TURF ESTABLISHMENT WITHIN FOUR DAYS OR OTHERWISE STABILIZE THE AREA IF THE SEASON IS NOT APPROPRIATE FOR TURF ESTABLISHMENT. IN THIS CASE THE CONTRACTOR SHALL STABILIZE WITHIN 2 DAYS OF COMPLETING THE FINAL GRADING, WITH HAY OR STRAW MULCH, OR OTHER APPROVED OR
- DRAINAGE INLETS INSTALLED AS PART OF THE PROJECT SHALL BE PROTECTED FROM SEDIMENT BUILDUP THROUGH THE USE OF SEDIMENT BARRIERS, SEDIMENT TRAPS, ETC., AS REQUIRED. CONTROLS SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREAS DRAINING TO THE INLET HAVE BEEN STABILIZED BY EITHER
- PROPER MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED BY THE CONTRACTOR AS INDICATED BY PERIODIC INSPECTION AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, CLEANING OF SEDIMENT BASINS OR TRAPS, CLEANING OR REPAIR OF SEDIMENT BARRIERS, CLEANING AND REPAIR OF BERMS AND DIVERSIONS AND CLEANING AND REPAIR
- 6. APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION.
- 7. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED. WATER FOR WASHING TRUCKS AND TIRES MUST BE AVAILABLE.
- 8. SEDIMENT BARRIERS AND OTHER EROSION CONTROL MEASURE SHALL REMAIN IN PLACE UNTIL UPLAND DISTURBED AREAS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION, PAVED AREAS SHALL BE CLEANED AND DRAINAGE SYSTEMS CLEANED AND FLUSHED AS NECESSARY.
- 9. IN THE EVENT DEWATERING OPERATIONS BECOME NECESSARY, FILTRATION OF THE DISCHARGE WILL BE REQUIRED, UNLESS THE PUMP DISCHARGE IS CLEAR AND FREE OF SEDIMENT. THE LOCATION AND DESIGN OF THIS FILTRATION METHOD SHALL BE PREPARED BY THE CONTRACTOR, AT NO ADDITIONAL EXPENSE TO THE OWNER, AND THEN REVIEWED AND APPROVED BY THE ENGINEER, PRIOR TO IT'S IMPLEMENTATION.
- 10. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL MEASURES INDICATED ON THIS PLAN SHALL BE
- 12. INLET PROTECTION IS TO BE PROVIDED AT ALL ON-SITE STORMWATER INLETS AS THE DRAINAGE
- STRUCTURES ARE INSTALLED. CONTRACTOR MAY USE EITHER OF THE TWO (2) DETAILED TYPES OF DROP INLET PROTECTION ON THE PROPOSED, <u>ON-SITE</u> DROP INLETS.
- 13. LOCATIONS OF STOCKPILES, CONSTRUCTION ENTRANCES, SILT FENCE, CONSTRUCTION TRAILERS, CONCRETE WASHOUTS, ETC. ARE SHOWN SCHEMATICALLY. THE CONTRACTOR IS TO FINALIZE THE LOCATIONS OF ALL EROSION CONTROL MEASURES IN THE FIELD. IT IS THE CONTRACTORS RESPONSABILITY TO ENSURE THAT ADEQUATE LEVELS OF EROSION AND SEDIMENT CONTROL ARE MET.
- 14. SILT FENCE IS TO BE INSTALLED AT THE PERIMETER OF ALL STOCK PILES AT THE TOE OF SLOPE. THIS SILT FENCE IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE STOCK PILE.
- FLAG THE WORK LIMITS AND MARK THE TREES AND BUFFER AREAS FOR PROTECTION. HOLD PRECONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.
- INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT.
- COMPLETE SITE CLEARING INCLUDING REMOVAL AND STOCKPILING OF EXISTING TOPSOIL.
- INSTALL DRAINAGE STRUCTURES AND STRAW BALE DIKES AROUND DRAINAGE INLETS.
- 10. COMPLETE FINAL GRADING FOR SERVICE DRIVE AND PARKING, AND STABILIZE WITH DENSE GRADED
- 11. COMPLETE FINAL GRADING OF LANDSCAPED AREAS AND PERMANENTLY VEGETATE, LANDSCAPE AND MULCH.
- 13. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER RAINFALL

SUBMIT FOR SITE PLAN REVIEW

MANHASSET, TOWN of NORTH HEMPSTEAD NASSAU COUNTY, NEW YORK

11538316

EC-1

DETAILS

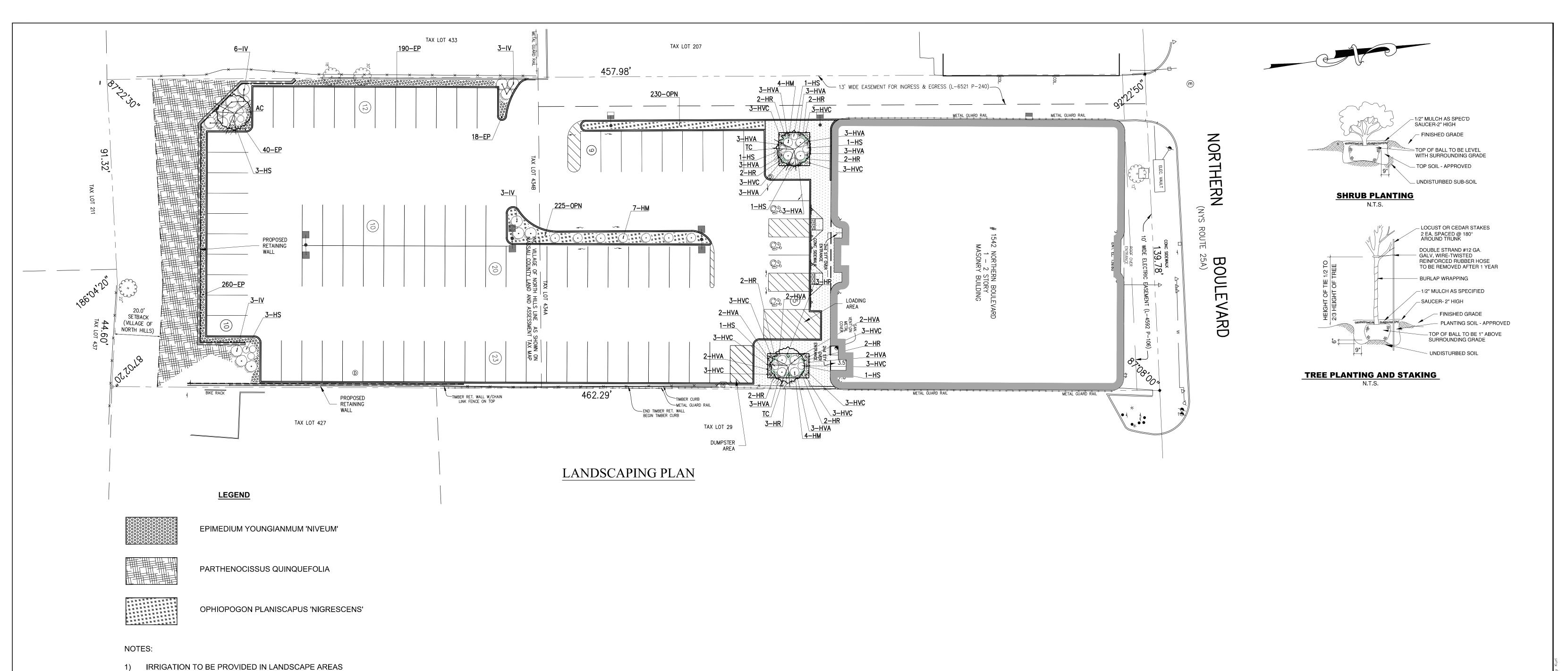


(IN FEET)

1 inch = 20 ft.

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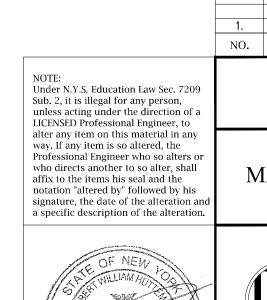
PLAN: 1" = 20' LiRo Engineers, Inc. PROFILE HORIZ: A LiRo Group Company VERT: Mineola, N.Y. ATE: NOVEMBER, 2018 DRAFTED BY CHECKED BY: PROJECT NO SHEET NUMBER



	PLANT LIST - TREES							
ITEM	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS	QUANT.
	AC	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	1.5" ±	15GAL.	AS SHOWN	SINGLE STRAIGHT TRUNK, FULL SYMMETRICAL CROWN.	1
	TC	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLE LEAF LINDEN	2.5"-3"	B&B	AS SHOWN	SINGLE STRAIGHT TRUNK, FULL SYMMETRICAL CROWN.	2

	PLANT LIST - SHRUBS							
ITEM	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS	QUANT.
	IV	ITEA VIRGINICA 'HENRY'S GARNET'	HENRY'S GARNET		3GAL.	AS SHOWN	FULL, SYMMETRICAL, GROWTH TO GRND	15
	НМ	HYDRANGEA MACROPHYLLY 'ENDLESS SUMMER'	ENDLESS SUMMER HYDRANGEA		5GAL.	AS SHOWN	FULL, SYMMETRICAL, GROWTH TO GRND	15

	PLANT LIST - GROUND COVER / PERENNIAL							
ITEM	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS	QUANT
	EP	EPIMEDIUM YOUNGIANMUM 'NIVEUM'	BISHOP'S HAT BARRENWORT		1QT.	12"O.C.	CONTAINER GROWN, MINIMUM 2 YR. GROWTH IN CONTAINER	508
	HR	HOSTA 'RAZOR'S EDGE'	RAZOR'S EDGE HOSTA		2GAL.	AS SHOWN	CONTAINER GROWN, MINIMUM 2 YR. GROWTH IN CONTAINER	
	HS	HOSTA SIEBOLDIANA 'ELEGANS'	ELEGANS HOSTA		2GAL.	AS SHOWN	CONTAINER GROWN, MINIMUM 2 YR. GROWTH IN CONTAINER	
	HVA	HEUCHRA VILLOSA 'AUTUMN BRIDE'	AUTUMN BRIDE CORAL BELLS		2GAL.	AS SHOWN	CONTAINER GROWN, MINIMUM 2 YR. GROWTH IN CONTAINER	
	HVC	HEUCHRA VILLOSA 'CITRONELLE"	CITRONELLE CORAL BELLS		2GAL.	AS SHOWN	CONTAINER GROWN, MINIMUM 2 YR. GROWTH IN CONTAINER	
	OPN	OPHIOPOGON PLANISCAPUS 'NIGRESCENS'	BLACK MONDOGRASS		1GAL.	12"O.C.	CONTAINER GROWN, MINIMUM 2 YR. GROWTH IN CONTAINER	455
	PQ	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER		2GAL.	24"O.C.	CONTAINER GROWN, MINIMUM 2 YR. GROWTH IN CONTAINER	



1. 12-06-2018 SUBMIT FOR SITE PLAN REVIEW NO. DATE LANDSCAPING PLAN

1542 NORTHERN BOULEVARD MANHASSET, TOWN of NORTH HEMPSTEAD NASSAU COUNTY, NEW YORK



IR)	LiRo Eng	jineers, Inc. O Company
	Mineola, N.Y.	516-746-2350[T]

DATE: NOVEMBER, 2018 SHEET NUMBER DRAFTED BY: CHECKED BY: PROJECT NO: 11538316

PLAN: 1" = 20'

PROFILE

HORIZ: VERT:

GRAPHIC SCALE (IN FEET)

1 inch = 20 ft.

