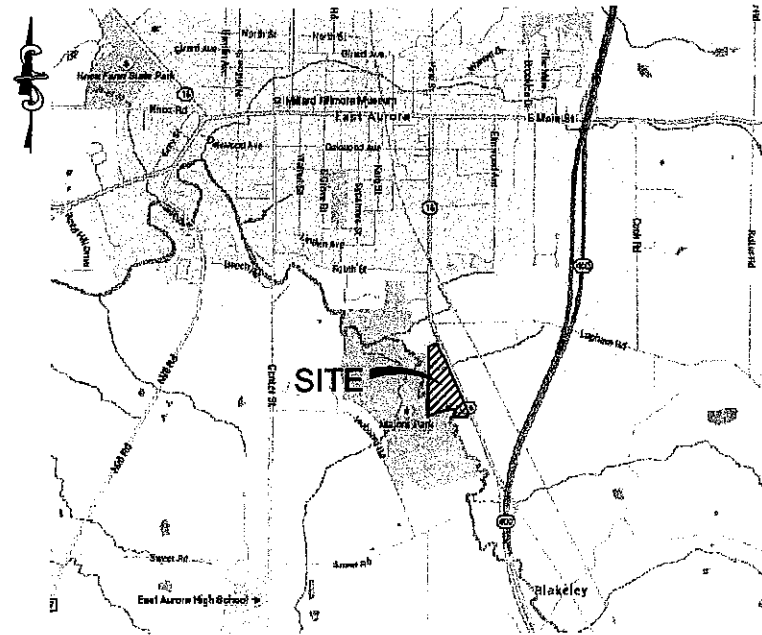


WEST HERR, LLC PROPOSED STORAGE PARKING LOT

591 OLEAN ROAD
TOWN OF AURORA, ERIE COUNTY
STATE OF NEW YORK
JUNE 10, 2015



LOCATION MAP

LIST OF DRAWINGS

DWG	TITLE
1	COVER SHEET
2	EXISTING CONDITIONS AND DEMOLITION PLAN
3	PAVING, GRADING & DRAINAGE PLAN
4	EROSION & SEDIMENT CONTROL PLAN
5	EROSION & SEDIMENT CONTROL DETAILS
6	SITE DETAILS
7	LANDSCAPE PLAN
8	LIGHTING PLAN

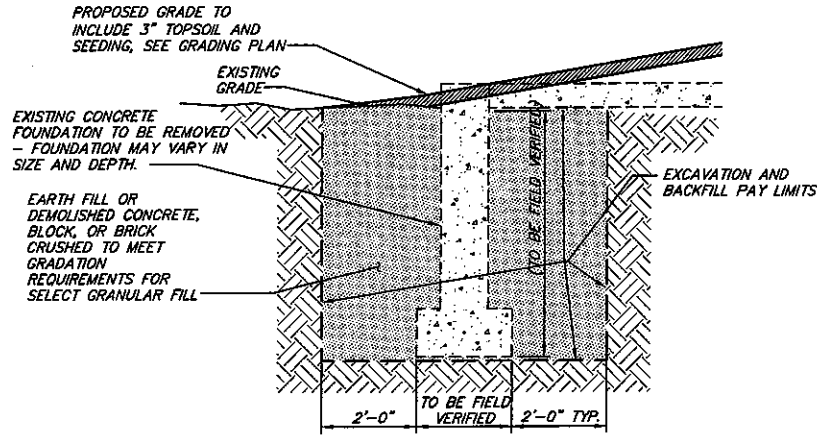
NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE
PROFESSIONAL ENGINEERING & LAND SURVEYING
IN THE STATE OF NEW YORK
CERTIFICATE NO. _____



3556 LAKE SHORE ROAD
BUFFALO, NY 14219-1484
(716) 827-8000 PHONE
(716) 826-7856 FAX

DEMOLITION NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO PREPARING A BID PROPOSAL IN ORDER TO VERIFY THE LOCATIONS OF EXISTING UTILITIES, THE GRADING OF THE SITE, THE ITEMS TO BE REMOVED WITHIN THE EXISTING BUILDINGS, THE EXISTING WATER, SEWER, GAS, AND ELECTRICAL SERVICES TO BE DISCONNECTED, AND TO BECOME FAMILIAR WITH EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY PLANTS AND MATERIALS WHICH ARE TO REMAIN IN PLACE OR ARE TO REMAIN THE PROPERTY OF THE OWNER WILL NOT BE DAMAGED. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED PLANTS OR MATERIALS IN A MANNER SATISFACTORY TO THE OWNER, AT THE EXPENSE OF THE CONTRACTOR.
3. AREAS DISTURBED OUTSIDE OF THE WORK LIMITS ARE TO BE RESTORED, AS REQUIRED, TO THE SATISFACTION OF THE OWNER, AT THE EXPENSE OF THE CONTRACTOR.
4. ALL ABANDONED MATERIALS AND ITEMS IN AND AROUND THE BUILDINGS THAT ARE NOT CLAIMED BY THE OWNER SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL INCLUDING PERMITTING, TRANSPORTATION TO SITE ETC. SHALL BE INCLUDED IN THE BASE BID AMOUNT.
6. IT IS THE CONTRACTOR'S OPTION TO CRUSH ANY CAST-IN-PLACE CONCRETE, CONCRETE BLOCK AND BRICK FROM THE EXISTING BUILDINGS IN ACCORDANCE WITH THE GRADATION REQUIREMENTS FOR SELECT GRANULAR FILL, AS SPECIFIED IN SPECIFICATION SECTION 02200, IN LIEU OF DISPOSING OF THE DEMOLISHED MATERIALS AND PROVIDING NEW EARTH FILL. NO WOOD, METAL, OR OTHER DEMOLISHED MATERIALS MAY BE USED AS BACKFILL FOR THIS PROJECT.
7. ALL WORK ON THIS PROJECT IS TO BE CONDUCTED WITHIN THE PROPERTY BOUNDARY. ANY DAMAGE CREATED BY THE CONTRACTOR OR THE CONTRACTOR'S REPRESENTATIVE OUTSIDE THE PROPERTY BOUNDARY SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. ALL COSTS ASSOCIATED WITH DISCONNECTION OF GAS, ELECTRICAL, WATER AND SEWER SERVICES TO THE BUILDINGS SHALL BE PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE BASE BID.
9. ALL ELECTRICAL WORK TO BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
10. EXISTING WATER SERVICE (3/4" OR 1") TO BE CRIMPED AND ABANDONED IN PLACE PER ECWA REQUIREMENTS.
11. REMOVAL OF THE EXISTING LIGHT STANDARDS AS INDICATE ON THE PLAN WILL INCLUDE THE REMOVAL OF THE CONCRETE BASE AND THE BACKFILLING TO THE BOTTOM OF THE PROPOSED PAVEMENTS BASE COURSE.
12. REMOVAL OF THE EXISTING LANDSCAPE ISLANDS WILL INCLUDE THE CONC. CURBS, SOIL TO A DEPTH EQUAL TO THE BOTTOM OF THE NEW PAVEMENT BASE COURSE AND ALL PLANTINGS, INCLUDING TREES.
13. THE EXISTING DEALERSHIP STRUCTURE WILL REMAIN IN OPERATION DURING CONSTRUCTION; THEREFORE ALL UTILITIES SERVICING THE STRUCTURE WILL REMAIN IN SERVICE.
13. THE CONTRACTOR SHALL SECURE ALL WORK AREAS DURING NON-WORK HOURS.



EXCAVATION AND BACKFILL DETAIL

UTILITY POLE
GUY WIRE
SIGN
BOLLARD
LIGHT POLE
SANITARY SEWER MANHOLE
DRAINAGE INLET
HAND HOLE BOX
VALVE BOX
GAS LINE MARKER
SPOT ELEVATION
CURB
SANITARY SEWER LINE
STORM SEWER LINE
GAS LINE
UNDERGROUND ELECTRIC
WATER LINE
UNDERGROUND TELEPHONE

EXISTING PAVEMENTS TO BE DEMOLISHED

EXISTING CONCRETE TO BE DEMOLISHED

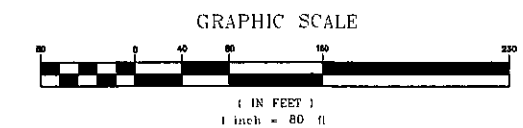
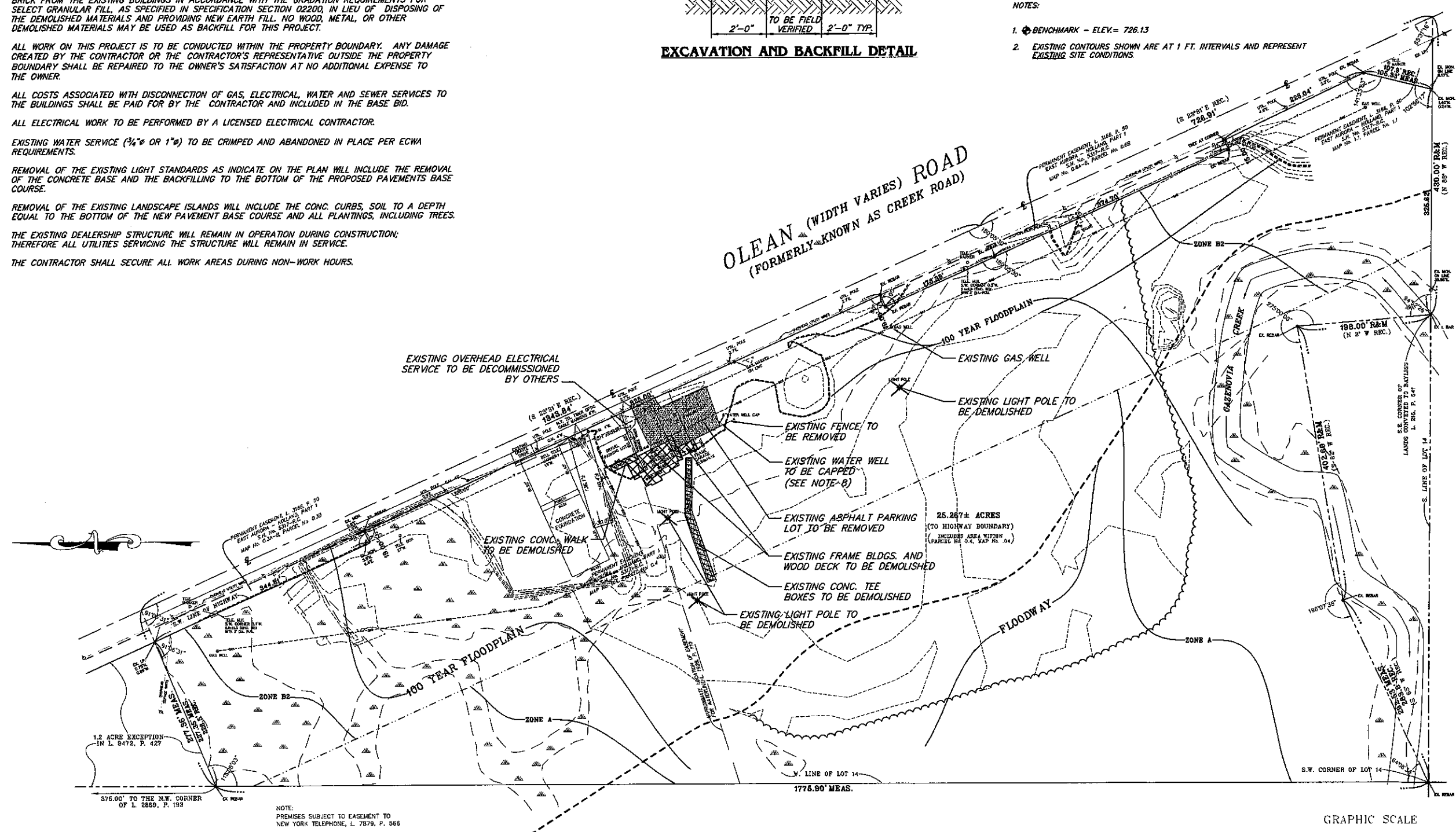
EXISTING BUILDING TO BE DEMOLISHED

DEMOLITION LIMIT

REMOVE EXISTING LIGHT STANDARDS

EXISTING WETLAND DELINEATION
DATED NOVEMBER 21ST, 2000
BY EARTH DIMENSIONS

- NOTES:**
1. BENCHMARK - ELEV. = 726.13
 2. EXISTING CONTOURS SHOWN ARE AT 1 FT. INTERVALS AND REPRESENT EXISTING SITE CONDITIONS.



Nussbaumer & Clarke, Inc.

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PROPOSED STORAGE PARKING LOT
WEST HERR, LLC
591 OLEAN ROAD, EAST AURORA, NEW YORK

EXISTING CONDITIONS AND DEMOLITION PLAN

REVISIONS	DATE	DESCRIPTION
No.		

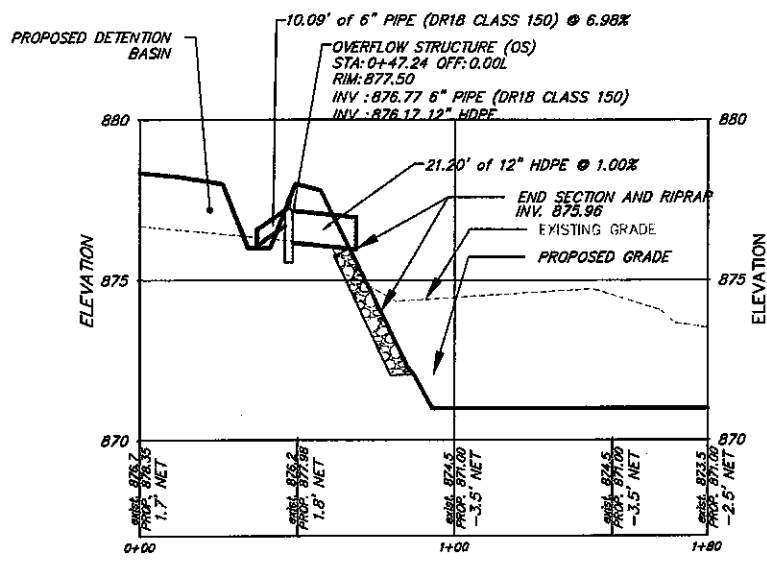
NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK

CERTIFICATE No. _____

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT NUMBER	14J5-0047
DATE	06-10-15
DRAWN BY	TJB
DESIGNED BY	AHG
CHECKED BY	RP
APPROVED BY	
SCALE	1" = 80'
DRAWING No.	2 OF 8

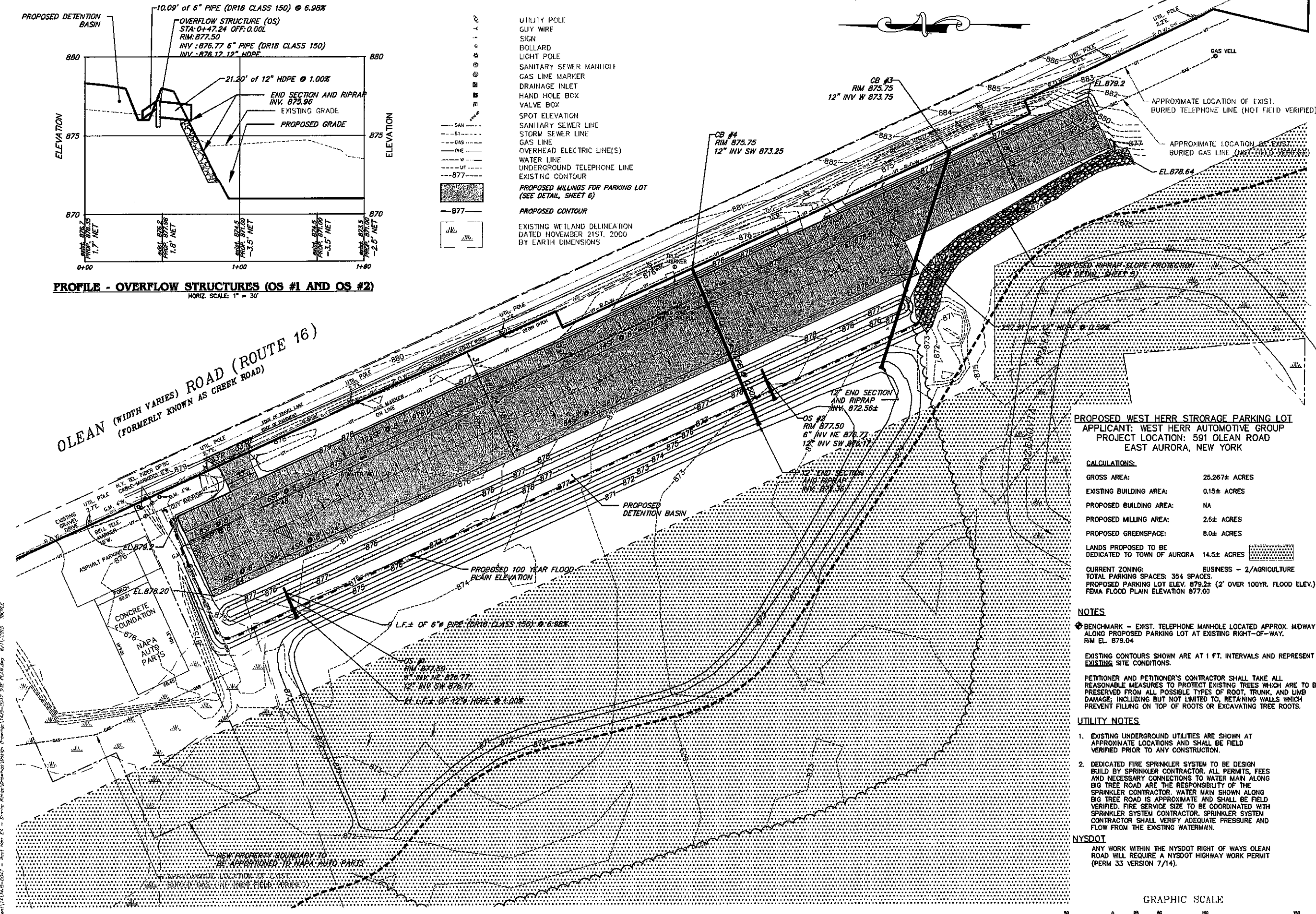
DR: Land Development/114145-0047 - West Herr EA - Drinking Water Drainage Design - Drawings/145-0047 EXIST. COND. & DEMO PLAN SET 6/11/2015 10:01 AM



PROFILE - OVERFLOW STRUCTURES (OS #1 AND OS #2)
HORIZ. SCALE: 1" = 30'

- UTILITY POLE
- GUY WIRE
- SIGN
- BOLLARD
- LIGHT POLE
- SANITARY SEWER MANHOLE
- GAS LINE MARKER
- DRAINAGE INLET
- HAND HOLE BOX
- VALVE BOX
- SPOT ELEVATION
- SANITARY SEWER LINE
- STORM SEWER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE(S)
- WATER LINE
- UNDERGROUND TELEPHONE LINE
- EXISTING CONTOUR
- PROPOSED MILLINGS FOR PARKING LOT (SEE DETAIL, SHEET 6)
- PROPOSED CONTOUR
- EXISTING WETLAND DELINEATION DATED NOVEMBER 21ST, 2000 BY EARTH DIMENSIONS

OLEAN (WIDTH VARIES) ROAD (ROUTE 16)
(FORMERLY KNOWN AS CREEK ROAD)



PROPOSED WEST HERR STORAGE PARKING LOT
APPLICANT: WEST HERR AUTOMOTIVE GROUP
PROJECT LOCATION: 591 OLEAN ROAD
EAST AURORA, NEW YORK

CALCULATIONS:

GROSS AREA:	26.267± ACRES
EXISTING BUILDING AREA:	0.15± ACRES
PROPOSED BUILDING AREA:	NA
PROPOSED MILLING AREA:	2.6± ACRES
PROPOSED GREENSPACE:	8.0± ACRES
LANDS PROPOSED TO BE DEDICATED TO TOWN OF AURORA:	14.5± ACRES
CURRENT ZONING:	BUSINESS - 2/AGRICULTURE
TOTAL PARKING SPACES:	354 SPACES
PROPOSED PARKING LOT ELEV.	879.2± (2' OVER 100YR. FLOOD ELEV.)
FEMA FLOOD PLAIN ELEVATION	877.00

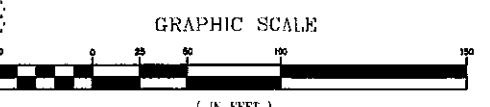
NOTES

- BENCHMARK - EXIST. TELEPHONE MANHOLE LOCATED APPROX. MIDWAY ALONG PROPOSED PARKING LOT AT EXISTING RIGHT-OF-WAY. RIM EL. 879.04
- EXISTING CONTOURS SHOWN ARE AT 1 FT. INTERVALS AND REPRESENT EXISTING SITE CONDITIONS.
- PETITIONER AND PETITIONER'S CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO PROTECT EXISTING TREES WHICH ARE TO BE PRESERVED FROM ALL POSSIBLE TYPES OF ROOT, TRUNK, AND LIMB DAMAGE, INCLUDING BUT NOT LIMITED TO, RETAINING WALLS WHICH PREVENT FILLING ON TOP OF ROOTS OR EXCAVATING TREE ROOTS.

UTILITY NOTES

- EXISTING UNDERGROUND UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS AND SHALL BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION.
- DEDICATED FIRE SPRINKLER SYSTEM TO BE DESIGN BUILD BY SPRINKLER CONTRACTOR. ALL PERMITS, FEES AND NECESSARY CONNECTIONS TO WATER MAIN ALONG BIG TREE ROAD ARE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR. WATER MAIN SHOWN ALONG BIG TREE ROAD IS APPROXIMATE AND SHALL BE FIELD VERIFIED. FIRE SERVICE SIZE TO BE COORDINATED WITH SPRINKLER SYSTEM CONTRACTOR. SPRINKLER SYSTEM CONTRACTOR SHALL VERIFY ADEQUATE PRESSURE AND FLOW FROM THE EXISTING WATERMAIN.

NYSDOT
ANY WORK WITHIN THE NYSDOT RIGHT OF WAYS OLEAN ROAD WILL REQUIRE A NYSDOT HIGHWAY WORK PERMIT (PERM 33 VERSION 7/14).



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Eric J. Nussbaumer | Chaudhary | Callan

PROPOSED STORAGE PARKING LOT
WEST HERR, LLC
591 OLEAN ROAD, EAST AURORA, NEW YORK

GRADING, PAVING AND DRAINAGE PLAN

NO.	REVISIONS	DATE

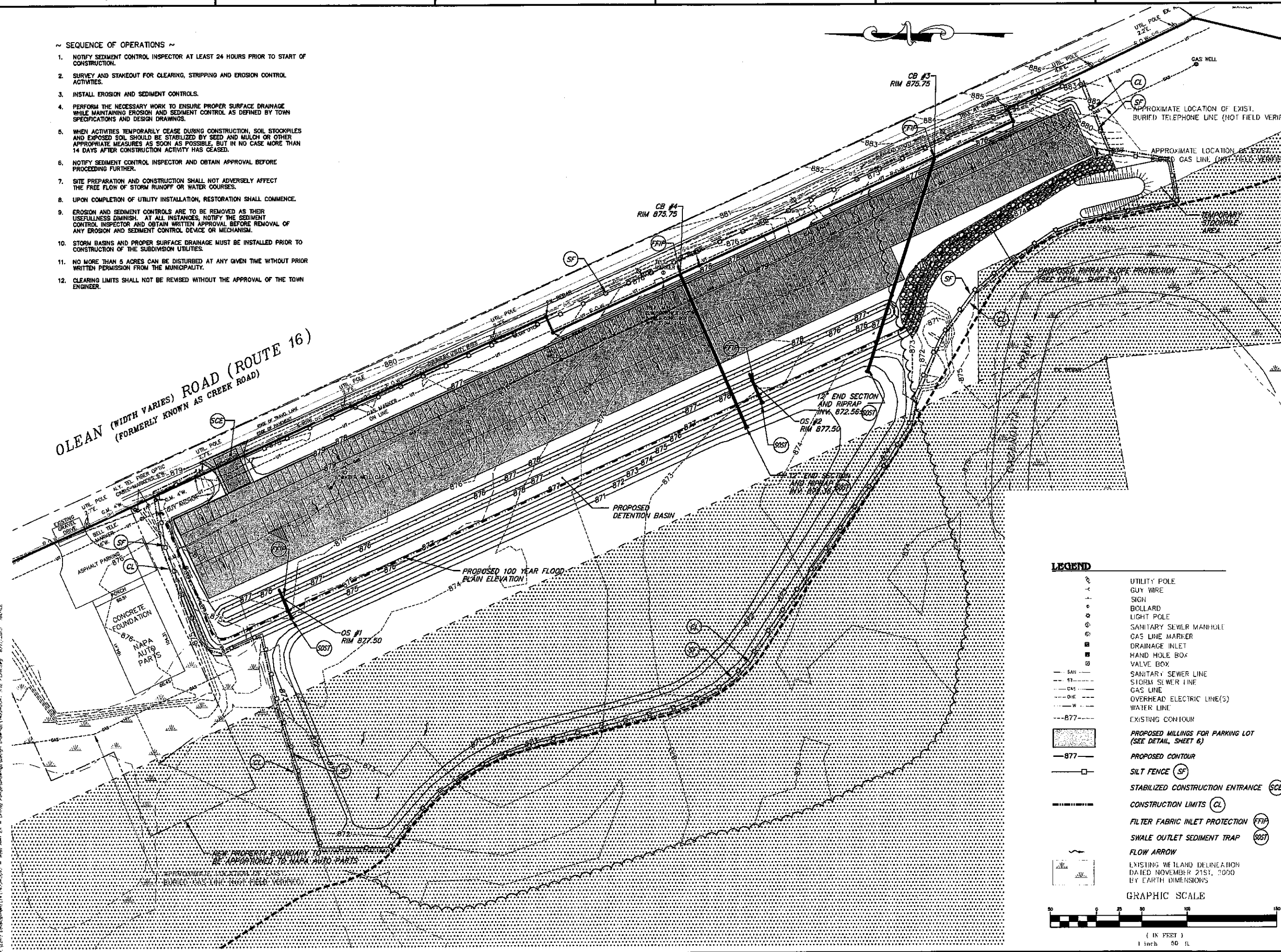
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CERTIFICATE No. _____

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PROJECT NUMBER	14-5-0047
DATE	06-10-15
DRAWN BY	TJB
DESIGNED BY	AHG
CHECKED BY	RP
APPROVED BY	
SCALE	1" = 50'
DRAWING No.	3 OF 8

~ SEQUENCE OF OPERATIONS ~

1. NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST 24 HOURS PRIOR TO START OF CONSTRUCTION.
2. SURVEY AND STAKEOUT FOR CLEARING, STRIPPING AND EROSION CONTROL ACTIVITIES.
3. INSTALL EROSION AND SEDIMENT CONTROLS.
4. PERFORM THE NECESSARY WORK TO ENSURE PROPER SURFACE DRAINAGE WHILE MAINTAINING EROSION AND SEDIMENT CONTROL AS DEFINED BY TOWN SPECIFICATIONS AND DESIGN DRAWINGS.
5. WHEN ACTIVITIES TEMPORARILY CEASE DURING CONSTRUCTION, SOIL STOCKPILES AND EXPOSED SOIL SHOULD BE STABILIZED BY SEED AND MULCH OR OTHER APPROPRIATE MEASURES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED.
6. NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL BEFORE PROCEEDING FURTHER.
7. SITE PREPARATION AND CONSTRUCTION SHALL NOT ADVERSELY AFFECT THE FREE FLOW OF STORM RUNOFF OR WATER COURSES.
8. UPON COMPLETION OF UTILITY INSTALLATION, RESTORATION SHALL COMMENCE.
9. EROSION AND SEDIMENT CONTROLS ARE TO BE REMOVED AS THEIR USEFULNESS DIMINISH. AT ALL INSTANCES, NOTIFY THE SEDIMENT CONTROL INSPECTOR AND OBTAIN WRITTEN APPROVAL BEFORE REMOVAL OF ANY EROSION AND SEDIMENT CONTROL DEVICE OR MECHANISM.
10. STORM BASINS AND PROPER SURFACE DRAINAGE MUST BE INSTALLED PRIOR TO CONSTRUCTION OF THE SUBDIVISION UTILITIES.
11. NO MORE THAN 5 ACRES CAN BE DISTURBED AT ANY GIVEN TIME WITHOUT PRIOR WRITTEN PERMISSION FROM THE MUNICIPALITY.
12. CLEARING LIMITS SHALL NOT BE REVISED WITHOUT THE APPROVAL OF THE TOWN ENGINEER.



OLEAN (WIDTH VARIES) ROAD (ROUTE 16)
(FORMERLY KNOWN AS CREEK ROAD)

LEGEND

- UTILITY POLE
 - GUY WIRE
 - SIGN
 - BOLLARD
 - LIGHT POLE
 - SANITARY SEWER MANHOLE
 - GAS LINE MARKER
 - DRAINAGE INLET
 - HAND HOLE BOX
 - VALVE BOX
 - SAN — SANITARY SEWER LINE
 - ST — STORM SEWER LINE
 - GAS — GAS LINE
 - OHE — OVERHEAD ELECTRIC LINE(S)
 - W — WATER LINE
 - B77--- EXISTING CONTOUR
 - B77--- PROPOSED MILLINGS FOR PARKING LOT (SEE DETAIL SHEET 6)
 - B77--- PROPOSED CONTOUR
 - SF — SILT FENCE
 - SCE — STABILIZED CONSTRUCTION ENTRANCE
 - CL — CONSTRUCTION LIMITS
 - FFI — FILTER FABRIC INLET PROTECTION
 - SOST — SWALE OUTLET SEDIMENT TRAP
 - FA — FLOW ARROW
 - EX — EXISTING WETLAND DELINEATION DATED NOVEMBER 21ST, 2009 BY EARTH DIMENSIONS
- GRAPHIC SCALE
1 inch = 50 feet

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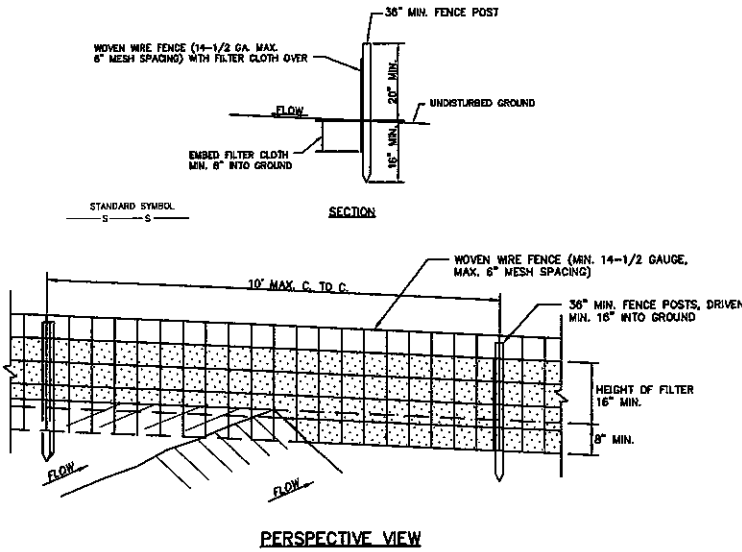
PROPOSED STORAGE PARKING LOT
WEST HERR, LLC
591 OLEAN ROAD, EAST AURORA, NEW YORK
EROSION AND SEDIMENT CONTROL PLAN

REVISIONS	DATE	DESCRIPTION
No.		

NUSSBAUMER & CLARKE, INC.
A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
CERTIFICATE No. _____

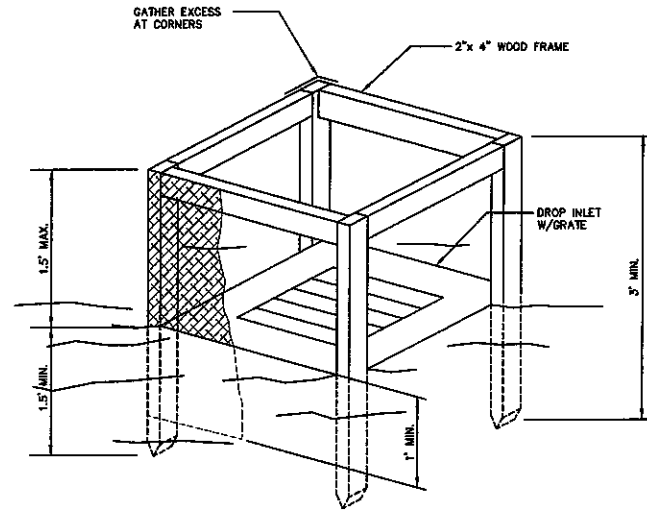
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PROJECT NUMBER	14J5-0047
DATE	05-28-15
DRAWN BY	TJB
DESIGNED BY	AHG
CHECKED BY	
APPROVED BY	
SCALE	1" = 50'
DRAWING No.	4 OF 8



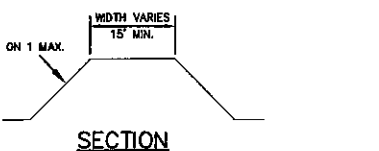
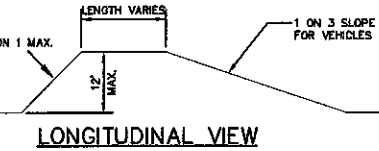
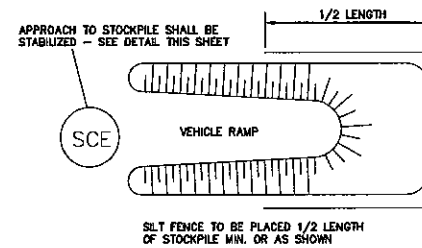
SILT FENCE DETAILS (SF)

- CONSTRUCTION SPECIFICATIONS**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO (2) SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX (6) INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS:**
STEEL EITHER T OR U TYPE OR 2"x2" HARDWOOD.
- FENCE:**
WOVEN WIRE, 14-1/2 GA. 6" MAX. MESH OPENING
- FILTER CLOTH:**
FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
- PREFABRICATED UNIT:**
GEOFAB, ENVIROFENCE, OR APPROVED EQUAL



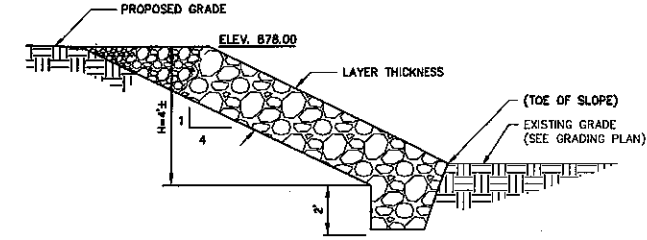
FILTER FABRIC DROP INLET PROTECTION DETAIL (FFIP)

- CONSTRUCTION SPECIFICATIONS**
- FILTER FABRIC SHALL HAVE AN EDS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
 - CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
 - STAKE MATERIALS WILL BE STANDARD 2"x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
 - 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.
 - A 2"x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
- MAXIMUM DRAINAGE AREA 1 ACRE



LONGITUDINAL VIEW

SECTION



RIPRAP DESIGN TABLE

CLASS	LAYER THICKNESS	D10	D50	D85	D100	FILTER
1	16"	5 lbs.	50 lbs.	100 lbs.	150 lbs.	NA

- CONSTRUCTION SPECIFICATIONS**
- SLOPE SHALL BE GRADED TO 4:1 OR FLATTER PRIOR TO PLACING FILTER, FILTER FABRIC, OR RIPRAP.
 - RIPRAP SHALL BE PLACED TO MAINTAIN A UNIFORM GRADATION. LARGER STONE SHALL BE PLACED AT THE TOE.
 - ENDS OF THE RIPRAP SHALL BE KEYED INTO A STABLE BANK. WHEN TYING INTO OTHER STRUCTURES, LARGER RIPRAP CAN BE LAID IN STEPS OR STACKED AS NEEDED TO FIT. STONES LARGER THAN THOSE DESIGNED FOR FLOW SHALL BE USED FOR THIS PURPOSE.
 - REMAINING DISTURBED AREAS SHALL BE GRADED AND PERMANENTLY SEED AND MULCHED.

RIPRAP SLOPE PROTECTION DETAIL

EROSION CONTROL LEGEND

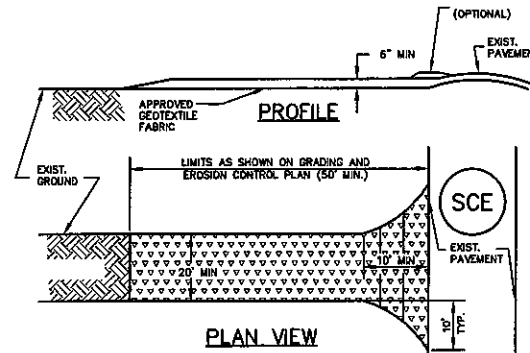


EROSION CONTROL NOTES

- ALL DISTURBED AREAS TO BE GRADED, TOPSOILED AND SEEDED AND MULCHED.
- TEMPORARY STOCKPILE LOCATIONS TO BE APPROVED BY THE TOWN.
- CLEARING SHALL BE LIMITED TO THE PHASE THAT IS CURRENTLY UNDER DEVELOPMENT. NO CLEARING SHALL TAKE PLACE BEYOND WHAT IS NECESSARY TO INSTALL UTILITIES.
- A COPY OF THE WEEKLY SITE INSPECTION REPORT IS TO BE PROVIDED TO THE TOWN IF REQUIRED.
- REMOVAL OF TOPSOIL FROM SITE WILL REQUIRE A PERMIT FROM THE TOWN CODE ENFORCEMENT OFFICER.

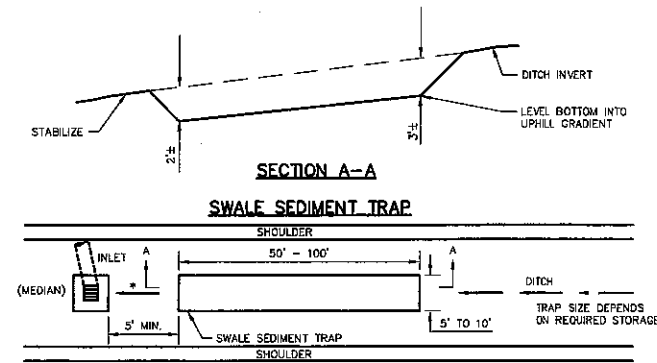
GENERAL NOTES

- UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION.
- WHERE EXISTING UTILITIES ARE REQUIRED TO BE RELOCATED, THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY CONCERNED REGARDING SUCH RELOCATION. THE COST FOR RELOCATION OF UTILITIES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR PIPE, INSTALLATION AND TRENCHING.
- ALL DEBRIS AND SPOIL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- BEFORE YOU DIG OR BLAST IN WESTERN NEW YORK CALL "DIG SAFELY NEW YORK" 1-800-982-7962.
- SHALE SHALL NOT BE USED AS BACKFILL MATERIAL FOR PIPE CROSSINGS OF THE PAVEMENT AND CURBS.
- PRIOR TO SUBBASE COURSE PLACEMENT, THE SURFACE ON WHICH THE SUBBASE IS TO BE PLACED SHALL BE THOROUGHLY COMPACTED TO THE 95% PROCTOR DENSITY AND PROOF ROLLED. PROOF ROLLING SHALL BE IN ACCORDANCE WITH SECTION 203-3.02C OF THE NYSDOT STANDARD SPECIFICATIONS.
- THE PARKING LOT SHALL BE STRIPED AS SHOWN ON THE PLAN.
- A NYSDOT HIGHWAY WORK PERMIT IS REQUIRED FOR ANY WORK WITHIN THE STATE R.O.W.



STABILIZED CONSTRUCTION ENTRANCE DETAILS

- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - AS REQ'D, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQ'D ON A SINGLE FAMILY RESIDENCE LOT.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 1:5 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQ'D, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.



CONSTRUCTION SPECIFICATIONS

- THE SWALE SEDIMENT TRAP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DIMENSIONS PROVIDED ON THE DESIGN DRAWINGS OR SIZED TO PROVIDE THE MINIMUM STORAGE NECESSARY; 1800 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT, AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
- THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- THE SWALE SEDIMENT TRAP WILL BE PROPERLY BACKFILLED AND THE SWALE OR DITCH RECONSTRUCTED.

SWALE OUTLET SEDIMENT TRAP (SOST)

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 www.nussbaumer.com
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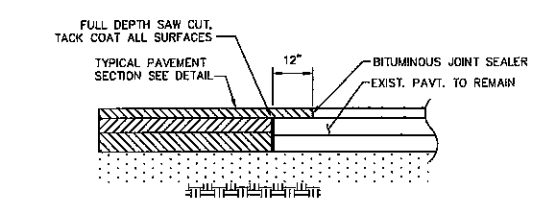
PROPOSED STORAGE PARKING LOT
 WEST HERR, LLC
 591 CLEAN ROAD, EAST AURORA, NEW YORK
EROSION AND SEDIMENT CONTROL DETAILS

REVISIONS	DATE
DESCRIPTION	
No.	

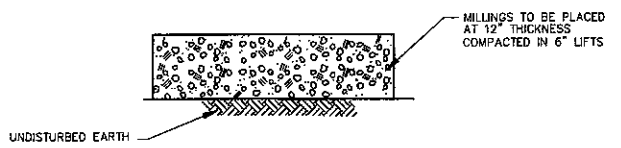
NUSSBAUMER & CLARKE, INC.
 A CORPORATION REGISTERED TO PRACTICE PROFESSIONAL ENGINEERING & LAND SURVEYING IN THE STATE OF NEW YORK
 CERTIFICATE No. _____

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ENGINEERING DRAWING IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

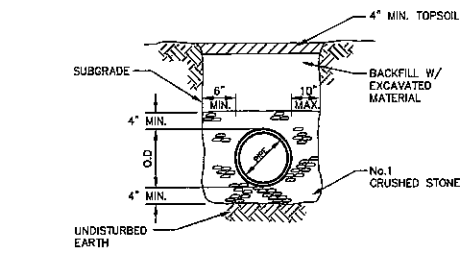
PROJECT NUMBER	14J5-0047
DATE	06-10-15
DRAWN BY	TJB
DESIGNED BY	AHG
CHECKED BY	RJP
APPROVED BY	
SCALE	AS NOTED
DRAWING No.	5 OF 8



PAVEMENT MILLING AND OVERLAY
NOT TO SCALE



PARKING LOT PAVING DETAIL
NOT TO SCALE

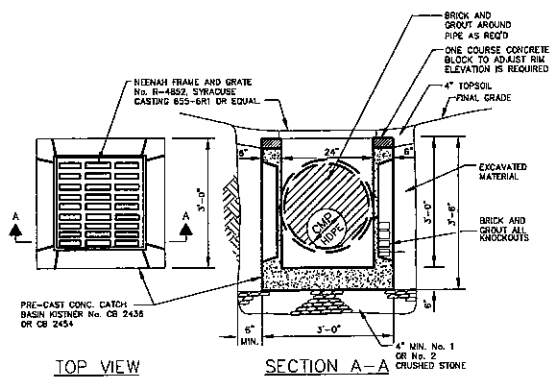


TYPICAL SECTION FOR EARTH BACKFILL

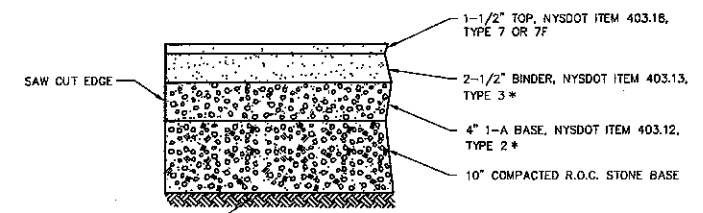
SPECIAL NOTE REGARDING TRENCH BACKFILL MATERIAL:

- SHALE SHALL NOT BE USED AS BACKFILL MATERIAL FOR PIPE CROSSINGS OF THE PAVEMENT AND CURBS.
- SHALE SHALL NOT BE PLACED DIRECTLY AGAINST THE UNPROTECTED PIPE SURFACE. A MINIMUM OF 12" OF BEDDING STONE OR SELECT MATERIAL SHALL OVERLAY THE CROWN OF THE PIPE PRIOR TO PLACEMENT OF SHALE MATERIAL.

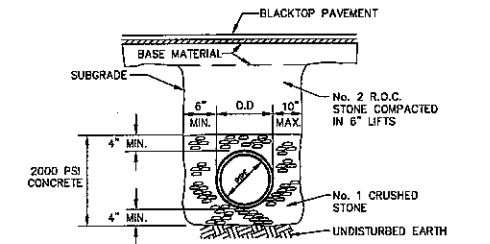
- NOTE:**
- MATERIALS USED FOR THE CONSTRUCTION OF CATCH BASINS AND STORM MANHOLES SHALL MEET THE REQUIREMENTS SPECIFIED IN NYS DOT SECTION 604-2.
 - CONSTRUCTION OF STORM SEWERS AND UNDERDRAINS SHALL MEET THE REQUIREMENTS SPECIFIED IN NYS DOT SECTION 603-3 AND 605-3 AS APPLICABLE.
 - CONSTRUCTION OF CATCH BASINS AND STORM MANHOLES SHALL MEET THE REQUIREMENTS SPECIFIED IN NYS DOT SECTION 604-3.
 - MATERIALS USED FOR UNDERDRAIN FILTER MATERIAL SHALL MEET THE REQUIREMENTS SPECIFIED IN NYS DOT SECTION 605-2 UNDERDRAIN FILTER TYPE II.
 - THE CONTRACTOR SHALL SCHEDULE AND CONDUCT HIS/HER OPERATIONS TO MINIMIZE EROSION OF SOILS AND TO MINIMIZE SILTING AND MUDDING OF STREAMS, RIVERS, IRRIGATION SYSTEMS, IMPOUNDMENTS (LAKES, RESERVOIRS, ETC.) AND LANDS ADJACENT TO/OR AFFECTED BY THE WORK CONSTRUCTION OF DRAINAGE FACILITIES AND PERFORMANCE OF OTHER CONTRACT WORK WHICH WILL CONTRIBUTE TO THE CONTROL OF EROSION AND SEDIMENTATION SHALL BE CARRIED OUT IN CONJUNCTION WITH EARTHWORK OPERATIONS OR AS SOON THEREAFTER AS PRACTICAL.
 - THE CONTRACTOR SHALL NOT DISCHARGE DUST INTO THE ATMOSPHERE OF SUCH QUANTITY, CHARACTER OR DURATION THAT IT UNREASONABLY INTERFERES WITH THE COMFORTABLE ENJOYMENT OF LIFE AND PROPERTY, OR IS HARMFUL TO PLANTS AND ANIMALS.
 - ALL APPLICABLE REGULATIONS OF FISH, WILDLIFE, AND ENVIRONMENTAL PROTECTION AGENCIES AND STATUTES RELATING TO THE PREVENTION OF POLLUTION SHALL BE COMPLIED WITH.



3'x3' CATCH BASIN DETAIL
CATCH BASINS IN UNPAVED AREAS SHALL HAVE NO SUMP.



TYPICAL PAVEMENT SECTION
NOT TO SCALE



TYPICAL SECTION FOR SELECT BACKFILL AND CONCRETE ENCASEMENT STORM TRENCH DETAILS

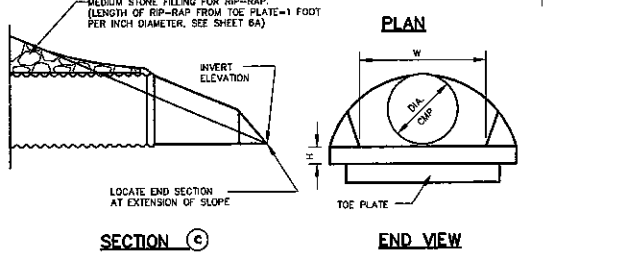
PIPE BEDDING MATERIAL:
NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE (1) INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER. NO SLAG SHALL BE ALLOWED.

- NOTES:**
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
 - TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
 - AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.
 - TEMPORARY SHEETING AT CONTRACTOR'S OPTION AND EXPENSE. TEMPORARY SHEETING TO MEET OSHA REQUIREMENT.

- PIPE MATERIAL SPECIFICATIONS:**
- HDPPE PIPE - CORRUGATED POLYETHYLENE PIPE (8" TO 24" HDPPE) SHALL MEET AASHTO M294 SPECS. JOINTS TO BE FIELD JOINED WITH STANDARD SPLIT COUPLERS.
 - REINFORCED CONCRETE PIPE SHALL BE CLASS III AND MEET ASTM DESIGNATION C-76 SPECS. JOINTS FOR RCP SHALL BE EQUIPPED WITH ROUND RUBBER GASKETS.
 - CORRUGATED METAL PIPE SHALL BE ALUMINIZED STEEL TYPE 2 WITH A MINIMUM 16 GAUGE AND MEET ASTM DESIGNATION A-444 SPECS. JOINTS FOR CMP SHALL BE FIELD JOINED WITH ALUMINIZED METAL BANDS.

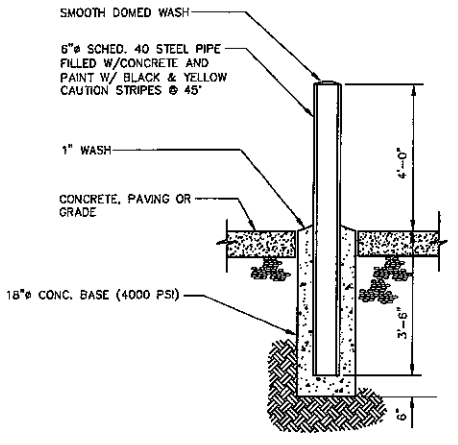
PERMEABLE SOIL MIX:

SOIL MIX SHALL BE A WELL BLENDED MIXTURE OF THREE (3) PARTS SAND AND ONE (1) PART TOPSOIL, BY VOLUME. SAND SHALL MEET THE REQUIREMENTS OF CONCRETE SAND. SOIL SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS OR OTHER OBJECTS LARGER THAN 2 INCHES IN DIAMETER AND SHALL BE VISIBLE FREE OF NOXIOUS WEEDS.

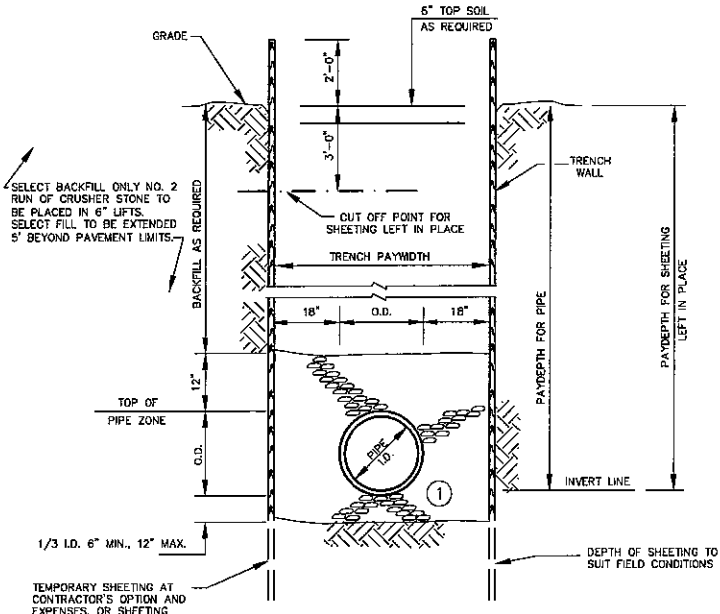


HDPPE PIPE DIA.	CMP PIPE DIA.	GAGE	DIMENSIONS, INCHES						APPROX. SLOPE	BODY
			A	B	H	L	W	D		
10"	12"	16	8-1/2	16-1/2	8	21	24	2-1/2	1-PC	
12"	15"	16	7-3/4	8	8	26	30	2-1/2	1-PC	
15"	18"	16	8	8	8	31	35	2-1/2	1-PC	
21"	24"	16	10	10	8	41	48	2-1/2	1-PC	
24"	30"	14	12-1/4	12-1/2	8	51	57	2-1/2	2-PC	
30"	36"	14	14-1/2	15	8	61	72	2-1/2	2-PC	
36"	42"	12	17	17	10	72	84	2-1/2	2-PC	
42"	48"	12	18-1/2	20	12	79	90	2-1/4	2-PC	

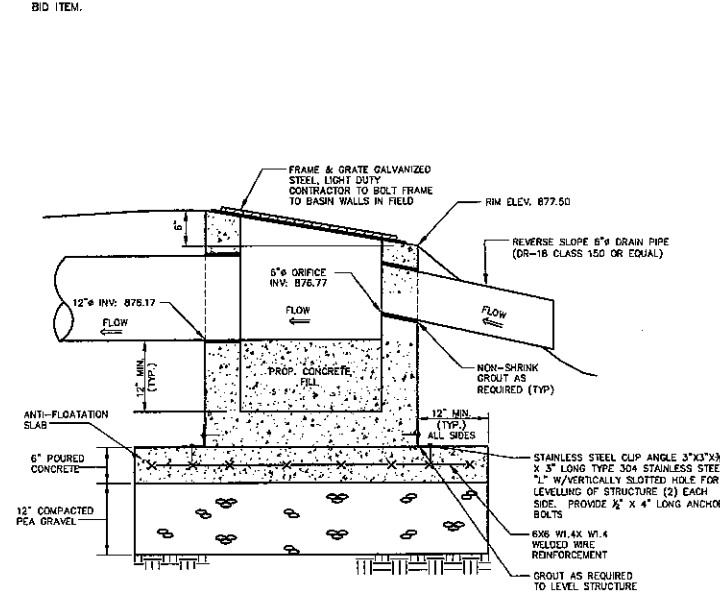
END SECTION



TYPICAL BOLLARD DETAIL
NOT TO SCALE



SHEETED TRENCH DETAIL



STORMWATER OVERFLOW STRUCTURES (OS) DETAIL (TYPICAL OF 2)
NOT TO SCALE

GENERAL NOTES:

- THE CONTRACTOR SHALL COMPLY WITH THE TOWN OF HAMBURG STANDARD DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND THE TOWN OF ORCHARD PARK ENG. DEPT. OF ANY HAZARDOUS SUBSTANCE ENCOUNTERED DURING THE CONSTRUCTION OF THE WORK. HE SHALL AT HIS EXPENSE, CONFORM TO ALL LAWS, RULES, REGULATIONS AND DIRECTIONS AS PROMULGATED BY THE UNITED STATES DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, THE NEW YORK STATE DEPARTMENT OF HEALTH AND ANY SUCH LOCAL RULES, ORDINANCES AND LAWS WHEN ENCOUNTERING OR WORKING WITH ANY SUCH HAZARDOUS SUBSTANCE.
- THE CONTRACTOR SHALL COMPLY IN ALL RESPECTS TO THE INDUSTRIAL CODE PART (RULE NO.) 53 RELATING TO CONSTRUCTION, EXCAVATION AND DEMOLITION OPERATIONS AT OR NEAR UNDERGROUND FACILITIES, AS ISSUED BY THE STATE OF NEW YORK DEPARTMENT OF LABOR, BOARD OF STANDARD AND APPEALS.
- SINCE THE ERIE COUNTY WATER AUTHORITY OPERATES AND MAINTAINS THE EXISTING WATER LINES, THEY ARE TO BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF THE START OF CONSTRUCTION. ALL EXISTING VALVES ARE TO BE OPERATED BY THE ERIE COUNTY WATER AUTHORITY PERSONNEL.
- THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AHEAD OF THE PIPE LAYING OPERATION, SO THAT, IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT DUE TO INTERFERENCE FROM THESE UTILITIES, SAID CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
- WHERE SUCH FACILITIES ARE UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER, HE SHALL CERTIFY TO THE ENGINEERING DEPARTMENT OF THE TOWN OF ORCHARD PARK THAT SAID FACILITIES AS CONSTRUCTED WERE SUPERVISED BY HIMSELF (HERSELF) AND THAT THE WORKS HAVE BEEN FULLY COMPLETED IN ACCORDANCE WITH THE APPROVED ENGINEERING REPORTS, PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS AND ANY AND ALL ADDENDA TO SAME.
- THE CONSTRUCTION OF THE FACILITIES SHALL BE UNDER THE SUPERVISION OF A PERSON OR FIRM QUALIFIED TO PRACTICE PROFESSIONAL ENGINEERING IN NEW YORK STATE UNDER THE EDUCATION LAW OF THE STATE, WHENEVER ENGINEERING SERVICES ARE REQUIRED BY SUCH LAW FOR SUCH PURPOSES.
- A WRITTEN CERTIFICATE OF CONSTRUCTION COMPLIANCE, INCLUDING THE RESULTS OF HYDROSTATIC LEAKAGE TESTS, MADE BY THE PROFESSIONAL ENGINEER SUPERVISING THE CONSTRUCTION, SHALL BE SUBMITTED TO THE ERIE COUNTY DEPART. OF ENVIRONMENTAL PLANNING AND NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION WITHIN THIRTY (30) DAYS AFTER CONSTRUCTION COMPLETION.
- UNSUITABLE MATERIALS SUCH AS FROZEN ORGANIC AND/OR VEGETABLE MATERIAL, DEBRIS, TREES, LUMBER, LARGE STONES OR CLODS (6" OR LARGER), MUCK, PEAT, ORGANIC SILT WILL NOT BE ACCEPTABLE FILL AND CERTAIN MAN-MADE DEPOSITS OF INDUSTRIAL WASTE, SLUDGE OR LANDFILL MAY ALSO BE DETERMINED AS UNSUITABLE HAZARDOUS MATERIAL.
- THE COMPACTION OF ALL MATERIALS WILL OCCUR AT 6" INCREMENTS.
- VERIFICATION OF ALL EXISTING EASEMENTS IS THE RESPONSIBILITY OF THE DESIGN ENGINEER AND THEY MUST BE SHOWN ALONG WITH ALL PROPOSED EASEMENTS ON PLAN DRAWINGS.
- SHOULD A FLUID CONDITION BE ENCOUNTERED AT THE TRENCH BOTTOM, THE CONTRACTOR IS TO INSTALL ADDITIONAL STONE CRADLE AS ORDERED BY THE ENGINEER.
- ALL PIPE CROSSING UNDER PAVED AREAS ARE TO BE BACKFILLED TO SUBGRADE WITH COMPACTED SELECT MATERIAL TO FIVE (5) FEET OUTSIDE THE PAVEMENT EDGES.
- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED TREE EXPERT TO REMOVE, WHERE NECESSARY, BRANCHES WHICH INTERFERE WITH THE CONSTRUCTION OPERATION, OR REPAIR TREES HAVING SUFFERED DAMAGE BY CONSTRUCTION ACTIVITIES. THE COST INVOLVED IN THE ABOVE IS TO BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.
- CAST IN PLACE CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF N.Y.S.D.O.T. STANDARD SPECIFICATION SECTION 501 FOR PORTLAND CEMENT CONCRETE.
- CORRUGATED STEEL PIPE STORM SEWERS SHALL BE 16 GAGE, GALVANIZED, HELICALLY CORRUGATED STEEL, COMPLETELY ASPHALT COATED CONFORMING TO N.Y.S.D.O.T. STANDARD SPECIFICATION 603.
- MANHOLES AND RECEIVERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH N.Y.S.D.O.T. STANDARD SPECIFICATION 604.
- REINFORCED CONCRETE PIPE SHALL CONFORM TO N.Y.S.D.O.T. STANDARD SPECIFICATION SECTION 706.02.
- FOR ALL MANHOLE RECEIVERS IN PAVEMENT, USE PRECAST FLAT TOP

Nussbaumer & Clarke, Inc.
3556 Lake Shore Road, Suite 500 | Buffalo, NY 14219
(716) 835-8888
www.nussbaumer.com
EPA | Niagara | Chautauque | Cattaraugus

PROPOSED STORAGE PARKING LOT
WEST HERR, LLC
591 OLEAN ROAD, EAST AURORA, NEW YORK
SITE DETAILS

NO.	REVISIONS	DESCRIPTION	DATE

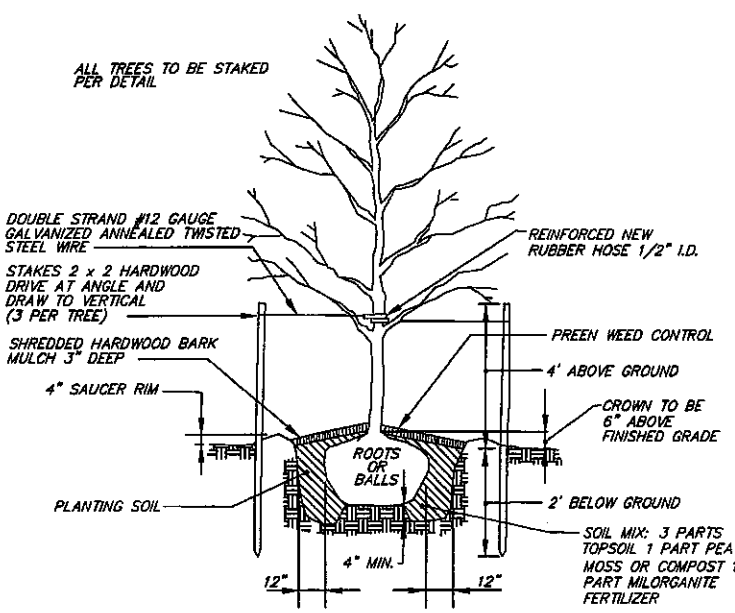
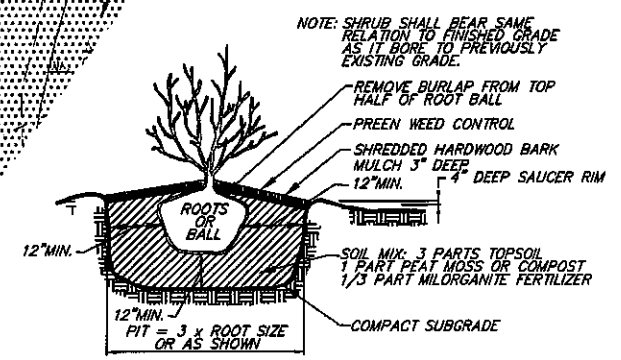
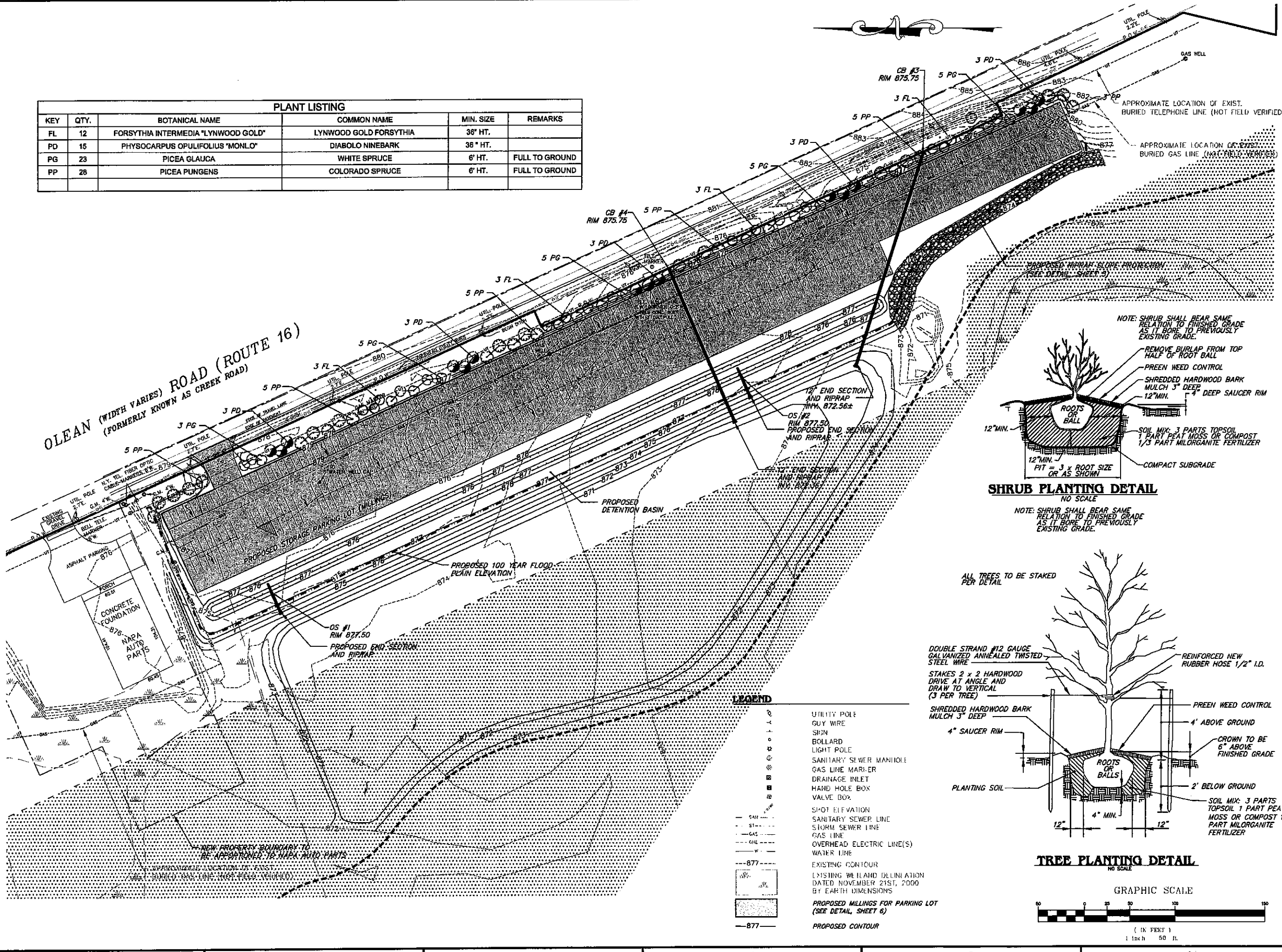
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CERTIFICATE No. _____

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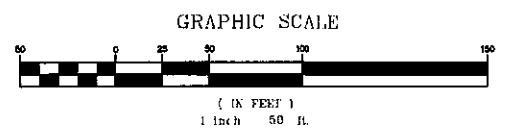
PROJECT NUMBER: 14J5-0047
DATE: 06-10-15
DRAWN BY: TJB
DESIGNED BY: AHG
CHECKED BY: RJP
APPROVED BY: _____
SCALE: AS NOTED
DRAWING No. 6 OF 8

A: Land Development/14J5-0047 - West Herr, LLC - Driveway Design/Drawings/Design Drawings/14J5-0047 SITE DETAILS.dwg 6/17/2015 10:01 AM
 B: _____
 C: _____
 D: _____
 E: _____

PLANT LISTING					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	MIN. SIZE	REMARKS
FL	12	FORSYTHIA INTERMEDIA "LYNWOOD GOLD"	LYNWOOD GOLD FORSYTHIA	36" HT.	
PD	15	PHYSOCARPUS OPULIFOLIUS "MONLO"	DIABOLO NINEBARK	36" HT.	
PG	23	PICEA GLAUGA	WHITE SPRUCE	6' HT.	FULL TO GROUND
PP	28	PICEA PUNGENS	COLORADO SPRUCE	6' HT.	FULL TO GROUND



- LEGEND**
- UTILITY POLE
 - GUY WIRE
 - SIGN
 - BOLLARD
 - LIGHT POLE
 - SANITARY SEWER MANHOLE
 - GAS LINE MARKER
 - DRAINAGE INLET
 - HAND HOLE BOX
 - VALVE BOX
 - SPOT ELEVATION
 - SANITARY SEWER LINE
 - STORM SEWER LINE
 - GAS LINE
 - OVERHEAD ELECTRIC LINE(S)
 - WATER LINE
 - EXISTING CONTOUR
 - EXISTING WELL AND DELINEATION DATED NOVEMBER 21ST, 2000 BY EARTH DIMENSIONS
 - PROPOSED MILLINGS FOR PARKING LOT (SEE DETAIL SHEET 6)
 - PROPOSED CONTOUR



Nussbaumer & Clarke, Inc.

3556 Leno Shore Road, Suite 500 | Buffalo, NY 14219
(716) 828-2666 fax
www.nussbaumer.com

Erica (Nigeria) | Charatanaqui | Charatanaqui

PROPOSED STORAGE PARKING LOT

WEST HERR, LLC

591 OLEAN ROAD, EAST AUORA, NEW YORK

LANDSCAPE PLAN

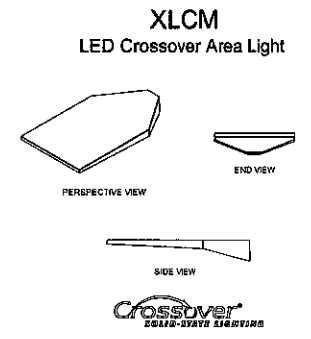
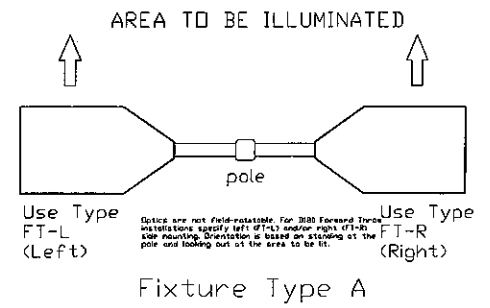
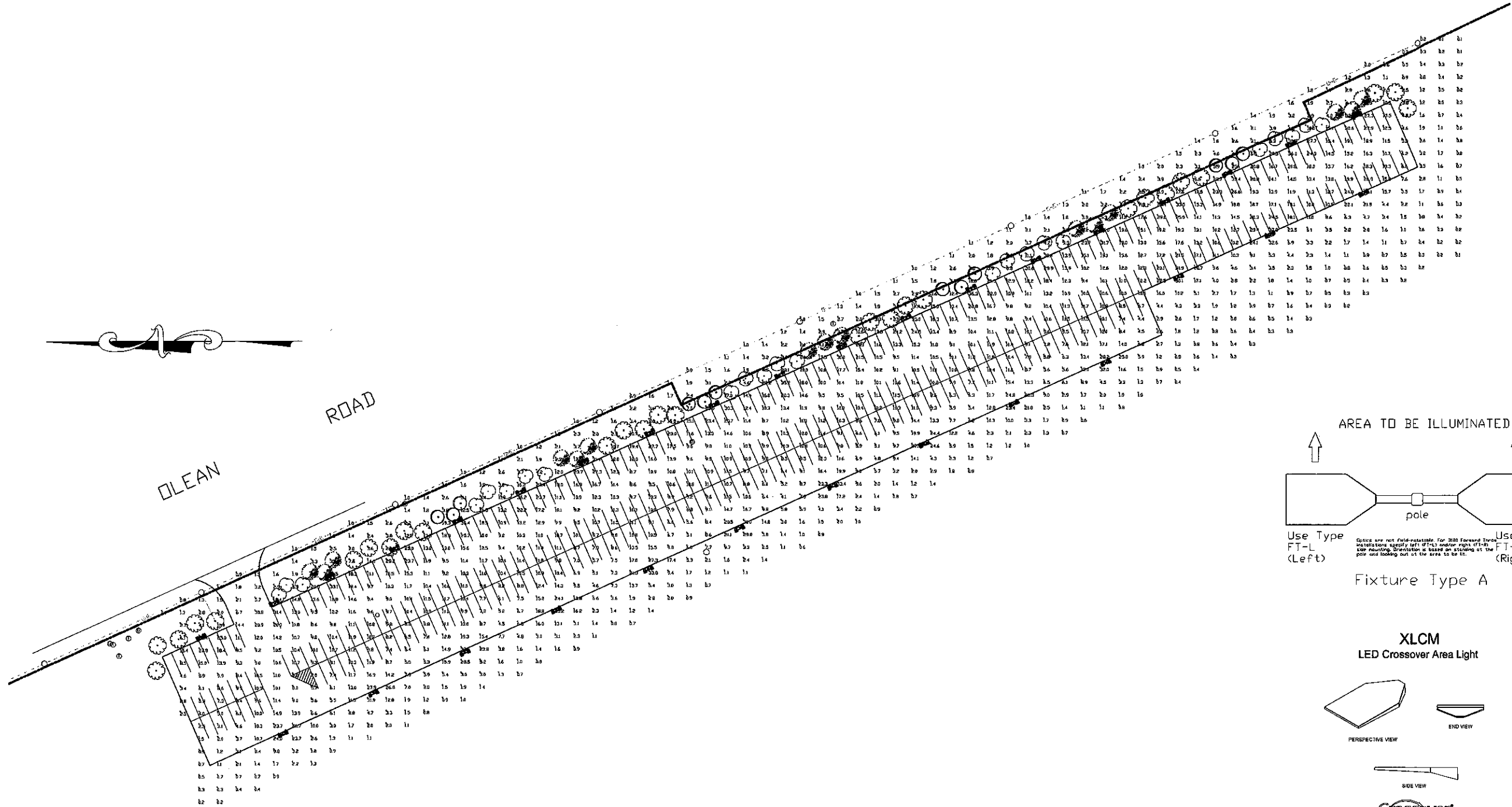
REVISIONS	DATE

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PROJECT NUMBER 14J5-0047
DATE 06-10-16
DRAWN BY TJB
DESIGNED BY AHG
CHECKED BY RP
APPROVED BY _____
SCALE 1" = 50'
DRAWING No. 7 OF 8



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	8.82	39.4	0.1	88.20	394.00
LOT SUMMARY	Illuminance	Fc	13.05	39.4	1.1	11.86	35.82

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Description	LLF	Lumens/Lamp	Arr. Lum. Lumens	Arr. Watts
A	32	A	D180° 2RTD	XLCM-(1)-FT-L ; (1)-FT-R-LED-HD-CW-D180 ON 22' POLE + 2" BASE	0.900	N.A.	61874	551.2

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted.

Total Project Watts
Total Watts = 17638.39

Lighting Proposal LQ-127578
WEST HERR STORAGE LOT
EAST AURORA

BY: []	DATE: 10/15/18	REV: []	SHEET: 8
			OF: 8

SCALE: 1"=40'