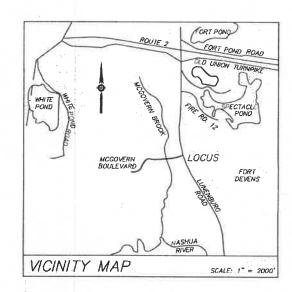
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MCGOVERN BOULEVARD MAI V / 2021 AND PLANNING

PHASE II: ROADWAY CONSTRUCTION LANCASTER, MASSACHUSETTS MARCH 26, 2021



OWNER:

702 LLC 259 TURNPIKE ROAD, SUITE 100 SOUTHBOROUGH, MASSACHUSETTS 01772

APPLICANT:

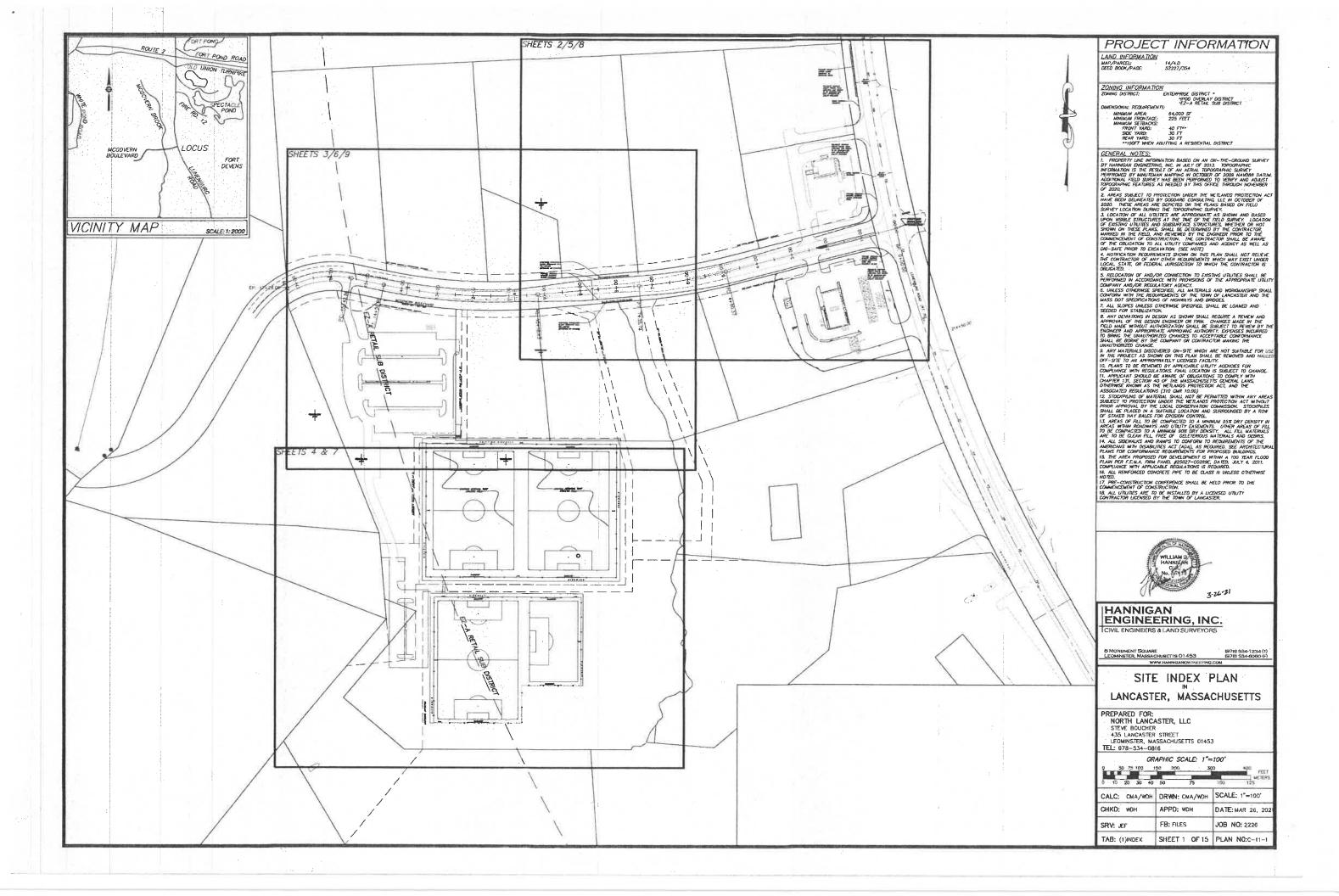
NORTH LANCASTER, LLC STEVE BOUCHER 435 LANCASTER STREET LEOMINSTER, MASSACHUSETTS 01453

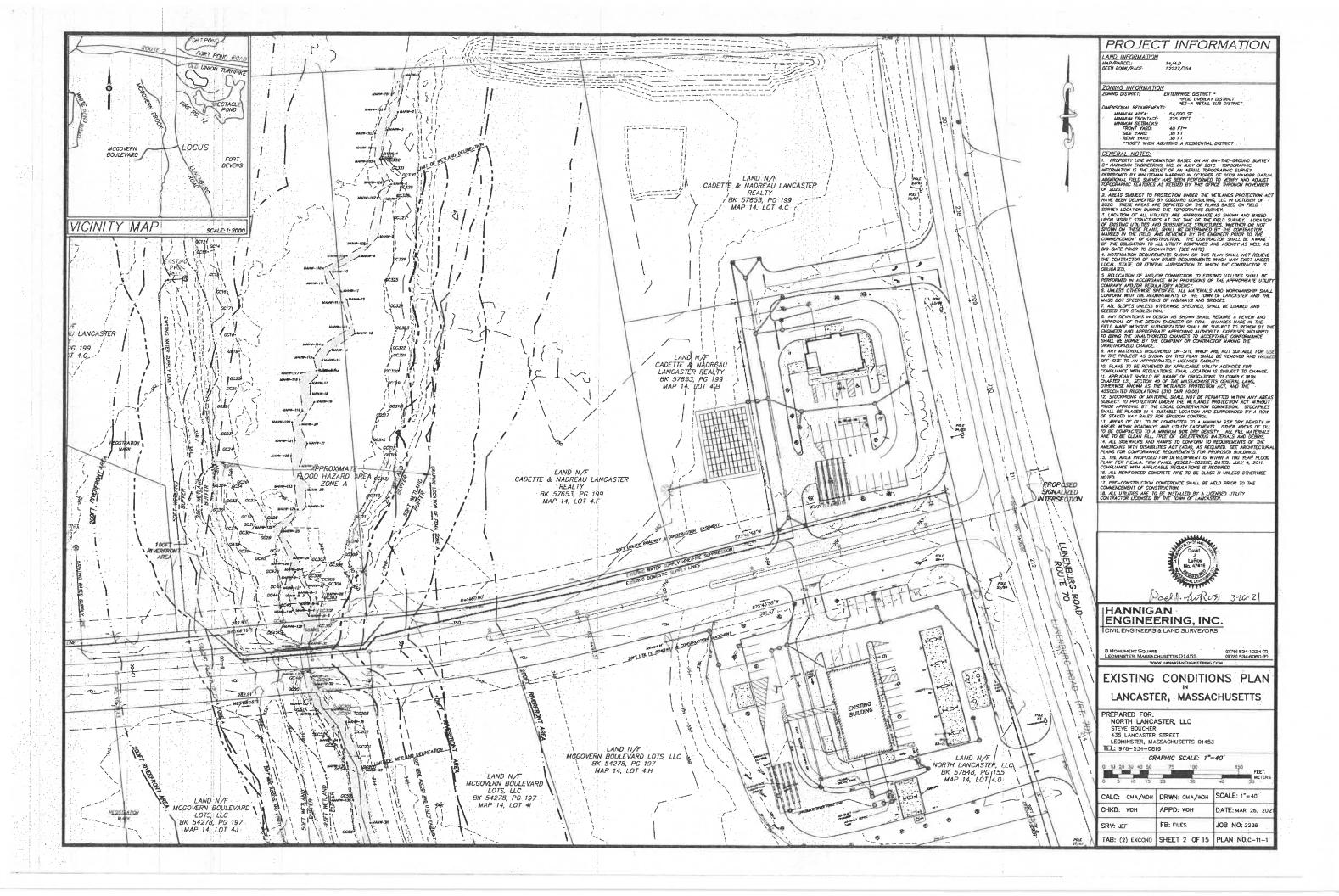
CIVIL ENGINEER & LAND SURVEYOR:

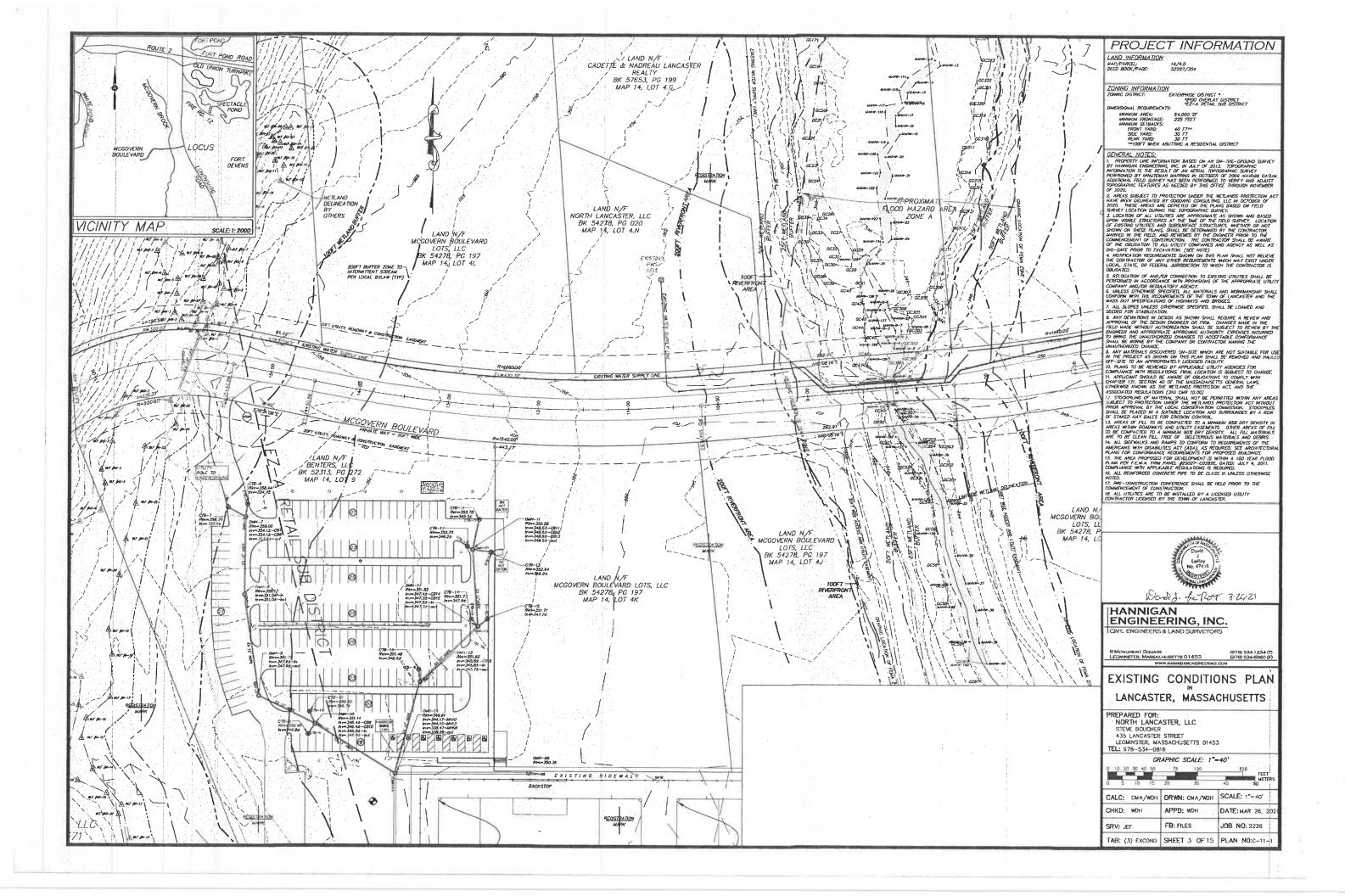
HANNIGAN ENGINEERING, INC. 8 MONUMENT SQUARE LEOMINSTER, MASSACHUSETTS 01453 TEL: (978) 534-1234

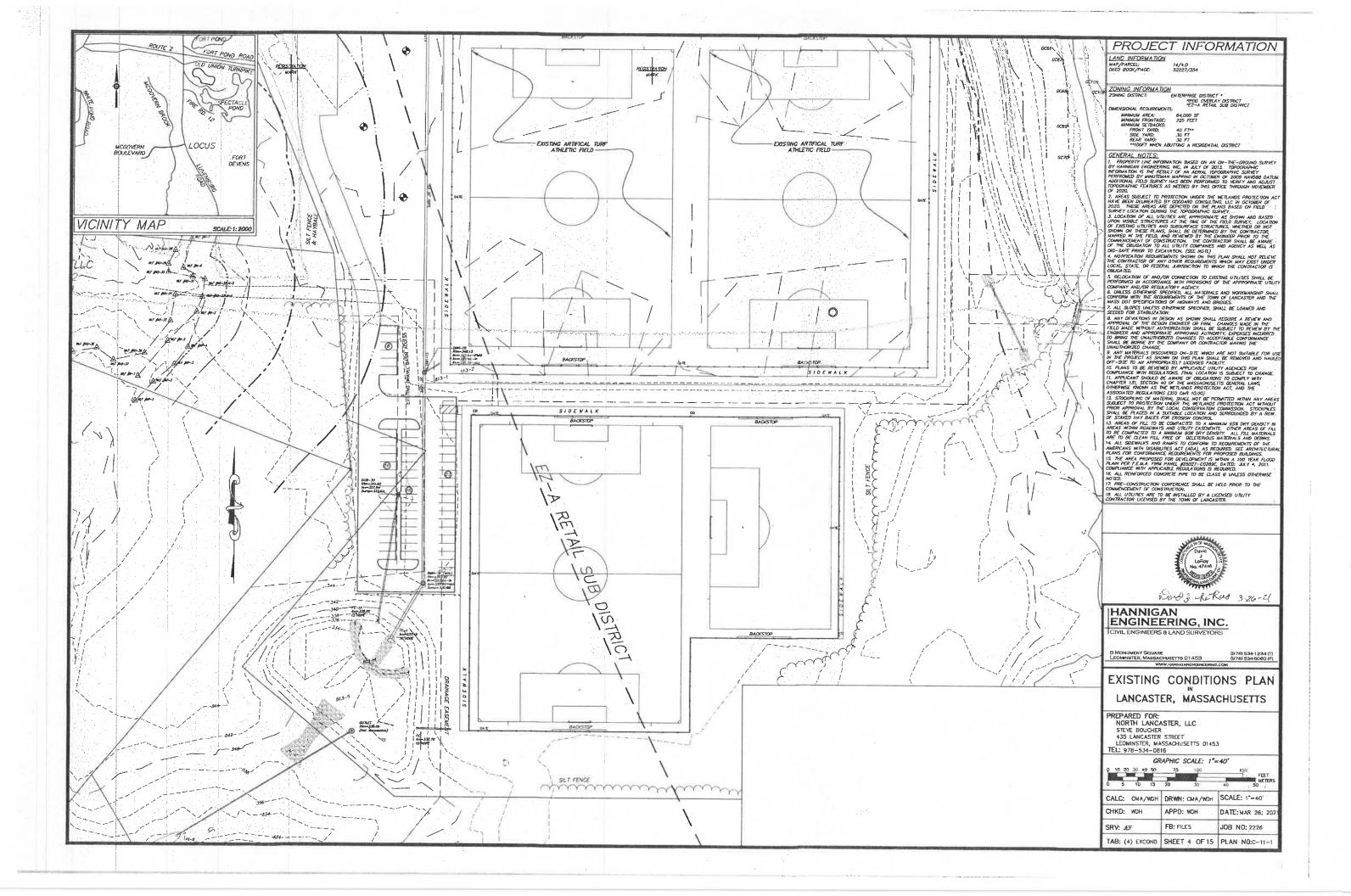
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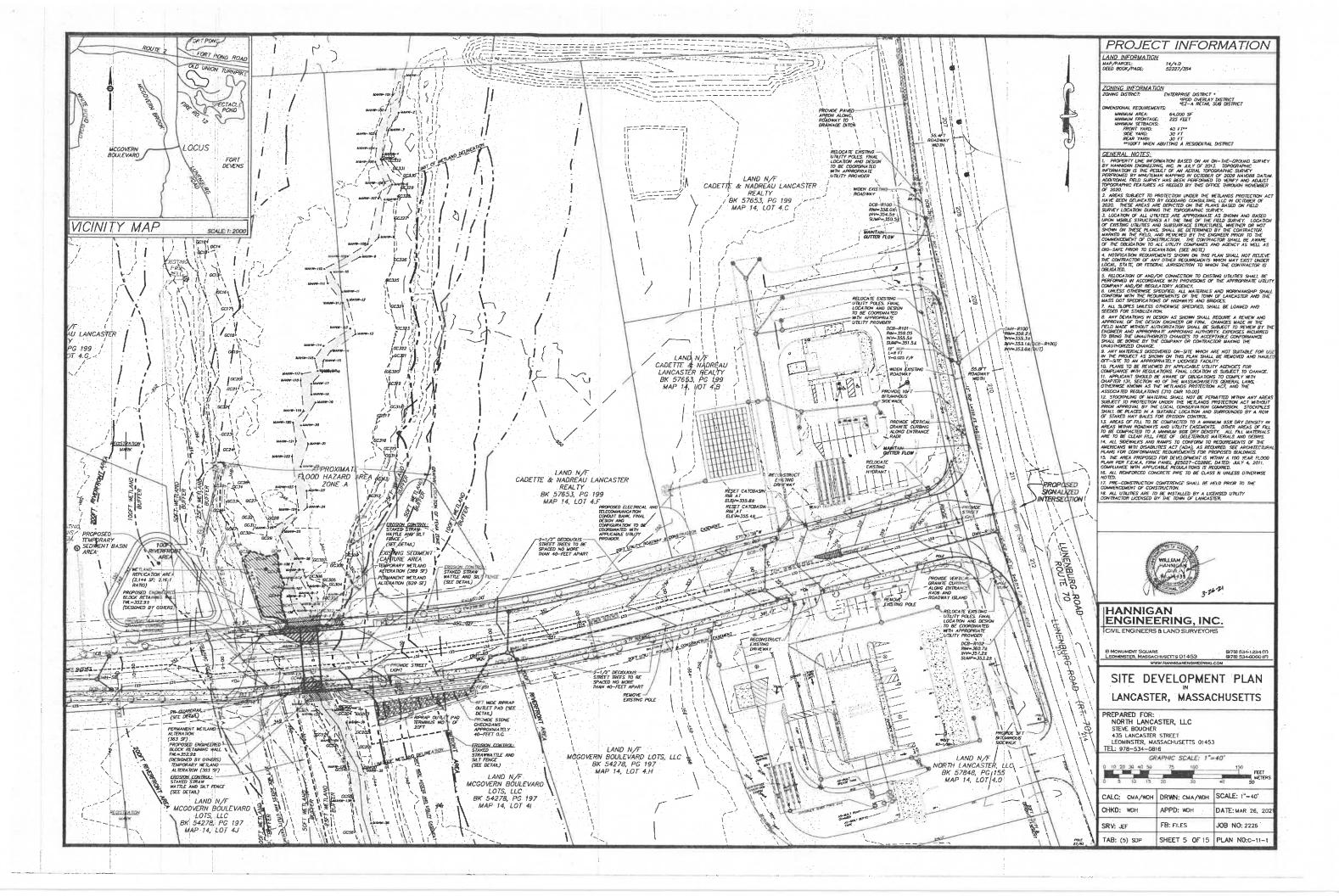
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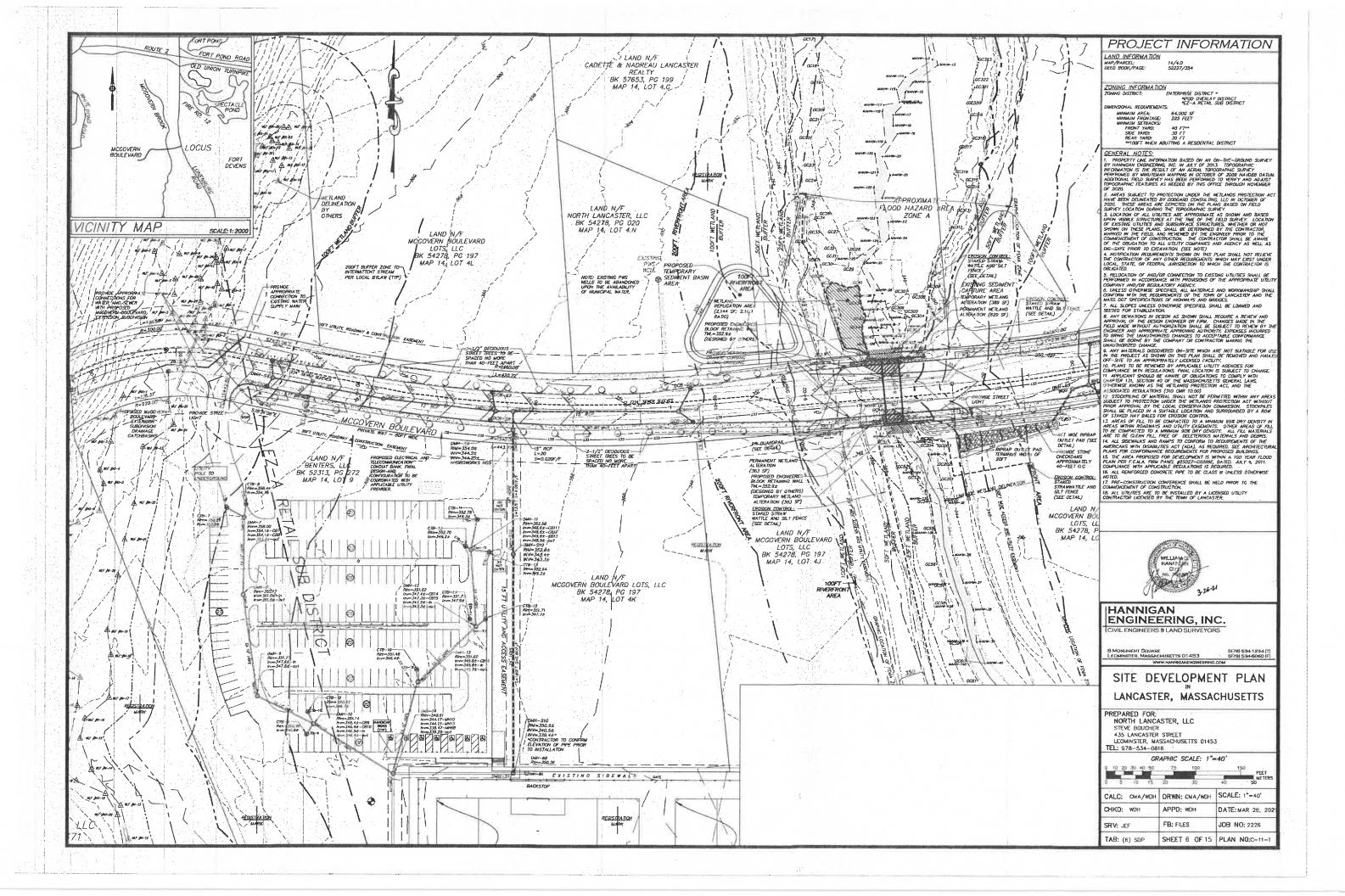


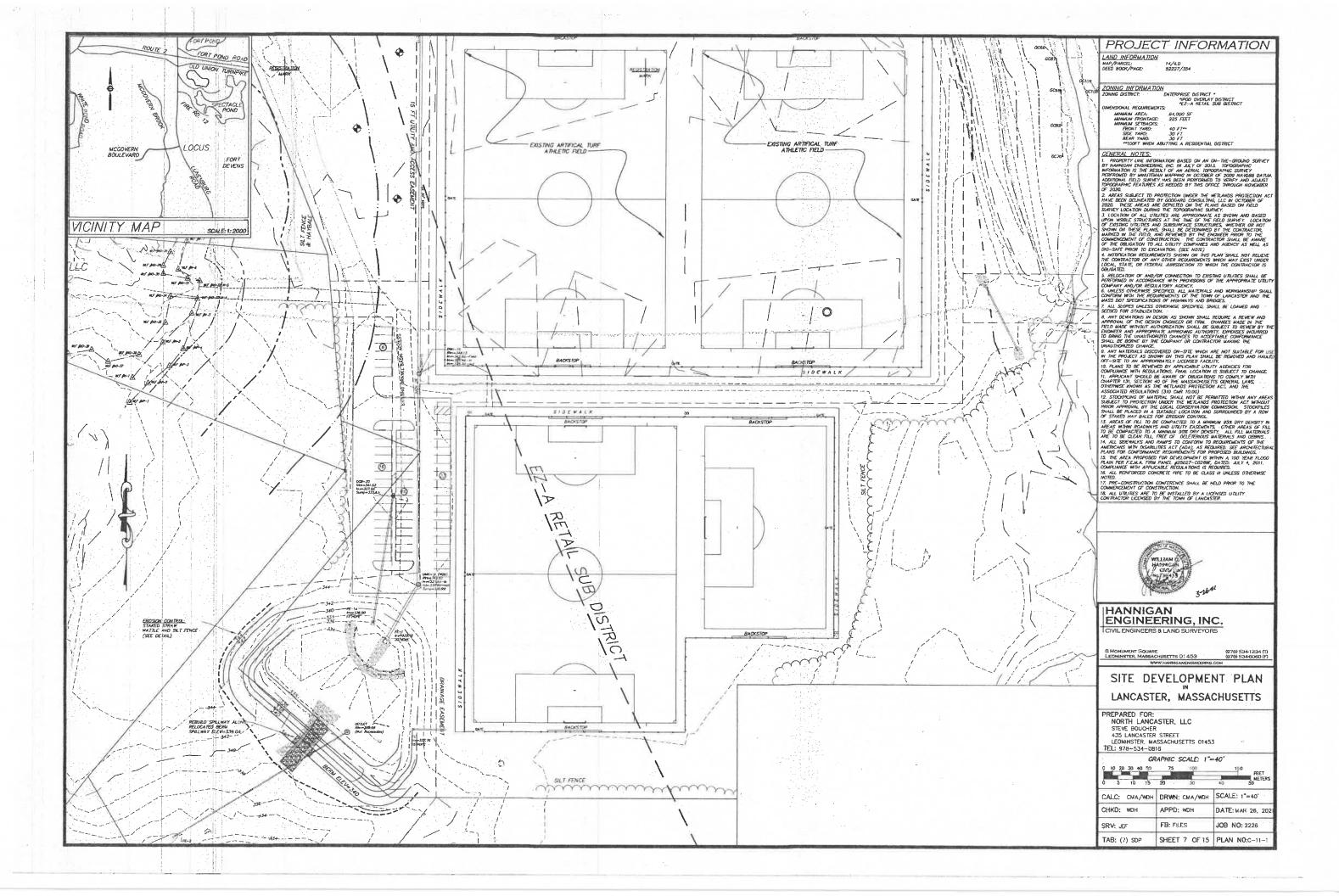


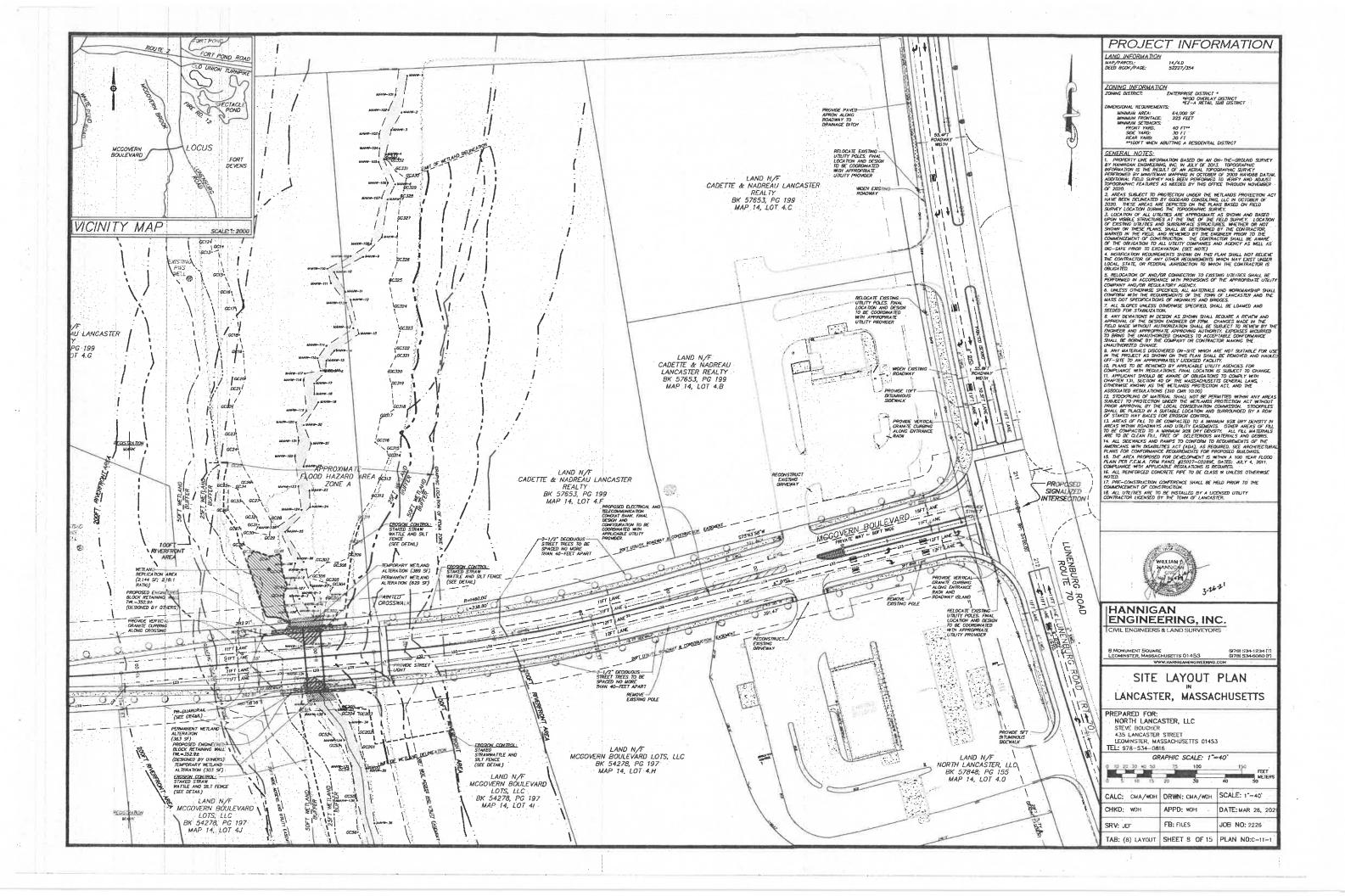


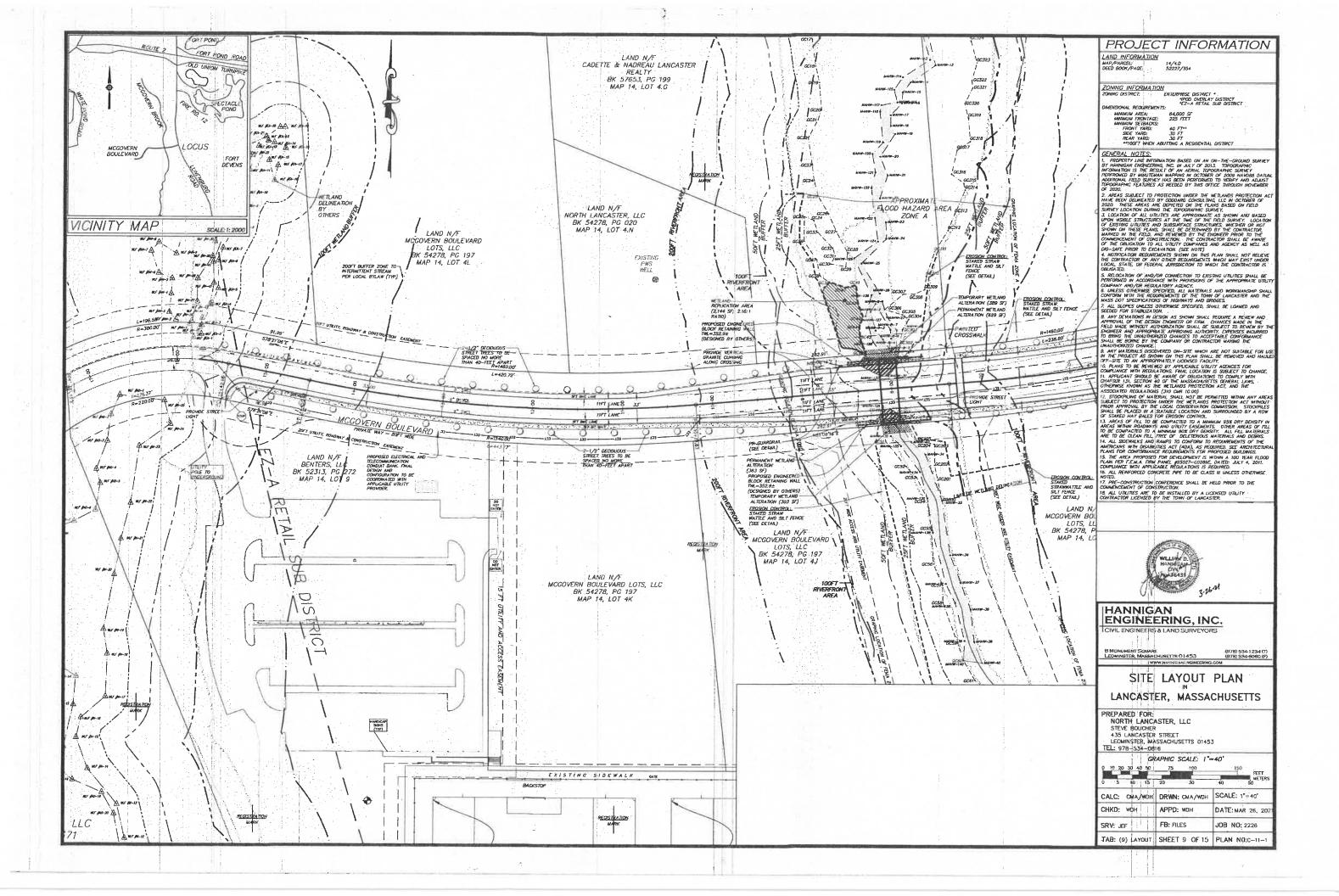


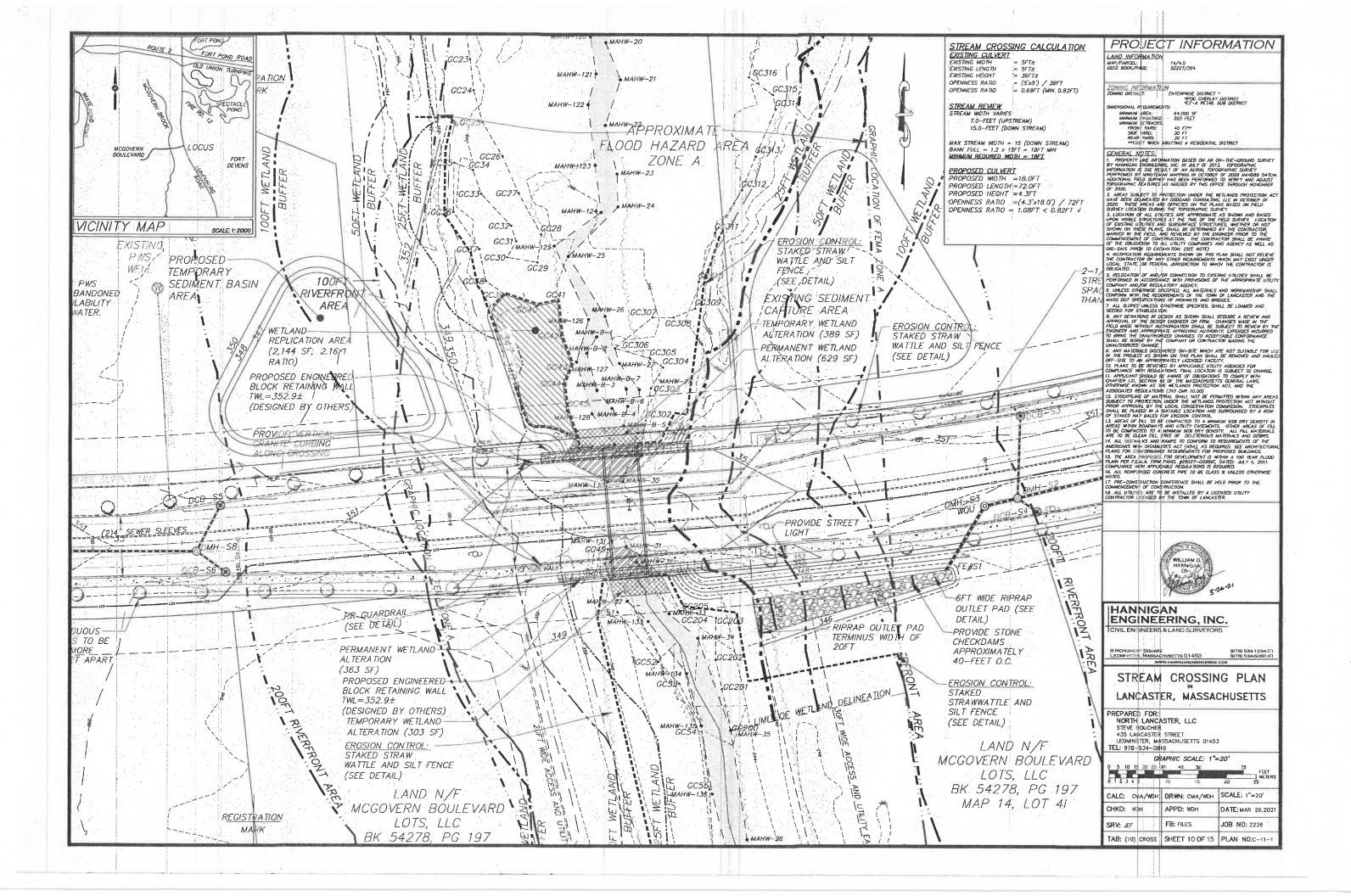


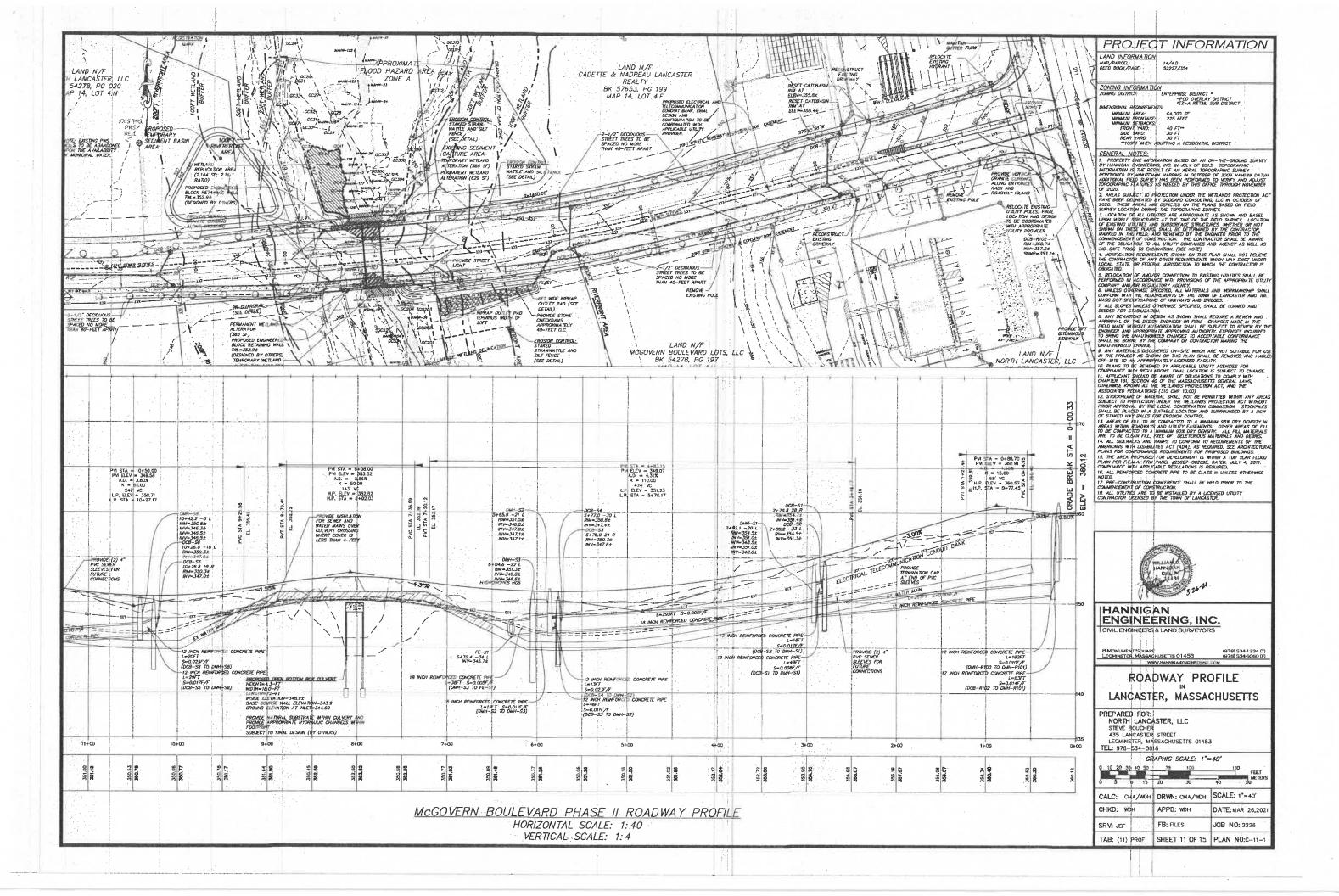


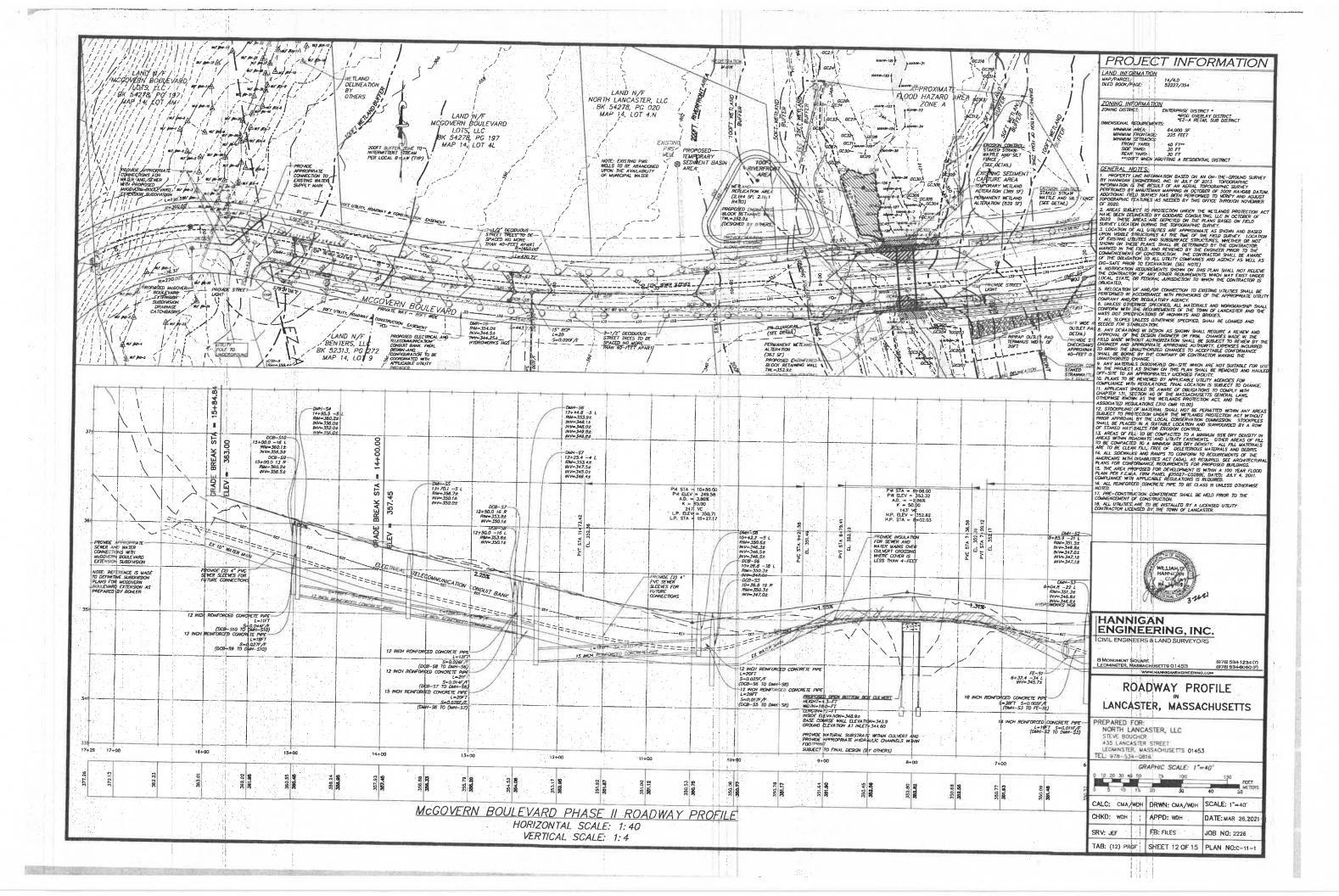












EROSION & SEDIMENTATION CONTROL PLAN

1. THE PURPOSE OF THIS PLAN IS TO PRESENT A PREVENTIVE METHOD OF CONSTRUCTION TO INMUNICE THE IMPACT OF THE CONSTRUCTION ACTUMIES UPON BETAIN ON DIFFER SENSING AREAS. THE DATA CONTAINED ON THIS PLAN IS INTERIOR TO SUPPLEMENT THE DEVELOPER OF CONTRAINED ON THIS PLAN IS NOT METHOD TO SUPPLEMENT THE DEVELOPER OF AND IS NOT MEANT TO CHICAMINENT LIGITAL DECISIONS FROWING BY A WHILT'S OF FIELD CONDITIONS THE CONTRAINED TO THE THE OF EXPERIENCE AND THE TIPE OF EXPERIENCE AND THE TIPE OF EXPERIENCENT ANALOGIES.

CONTRACTOR IS TO BE AWARE OF THE REQUIREMENTS AND
GRIGATIONS TO COMPLY WITH CHAPTER 131, SECTION 40 OF THE
MASSIGNATIONS TO COMPLY WITH CHAPTER 131, SECTION 40 OF THE
MASSIGNATION SCHOOL LAWS, OTHERWISE KNOWN AS THE WEILANDS
PROTECTION ACT, AND ITS ASSOCIATED REGULATIONS (SIGN DAR! 10 OO).
CERTAIN PERMITS WITH PROPERTY OF THE CONSTRUCTION SCHOOL OR 10 OO).
THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE
CONTRACTOR SHALL ALSO MAINTAIN COPIES OF ALL PERMITS ON SITE

AT ALL TIMES.

3. IF CHANGES IN THE PROJECT ARE REQUIRED DUE TO FIELD CONDITIONS THE DEVELOPER/CONTRACTOR SHALL PROMINE, WOTHEY HERIORER FOR REVEW OF THESE CONDITIONS. DEPAY REVIEW AND PRINT TO THE IMPLEMENTATION OF ANY CHANGE, THE CONTRACTOR AND THE ROBIGER SHALL MEET WITH THE APPROPRIATE LOCAL AND/OR STATE OFFICIAL OR ITS CANT. TO DETERMINE IF THE CHANGE REQUIRES.

4. ALTERATION AND/OR DESTRUCTION OF WEILAND AREAS WITHOUT PRIOR CONSENT OF THE CONSERVA TION COMMISSION IS PROMBITED STATED WITHERS ALUCT DISCHARGES, OF MADDETAINT ATTERATION SHALL BE CONSIDERED AS ACTIVITIES NOT PERMITTED BY THE ORDER AND SHALL BE REPORTED TO THE CONSERVATION. COMMISSION ALONG WITH THE PROPOSED MITIGATIVE MEASURES.

EROSKON AND SEDMENTATION CONTROL DEVICES, SUCH AS CHECK AMS, SEDIMENT BASINS, ETC. ARE TO BE INSTALLED AS SHOWN ON THE TE DEVELOPMENT PLANS WITH ASSOCIATED DETAILS, AS APPROPRIATE.

7. CONSTRUCTION OPERATIONS SHALL NOT CAUSE NOTICEABLE SEDMENTATION PLUMES TO DOCUM ON OR SURROUNDING THE PROJECT. SIGNAL STOMENT EXTEND PROPRIED THE RESIDENCY THE RESIDENCY DATE OF THE CONTRACTOR SHALL STOP WORK AND INSTALL ADDITIONAL MITGATION MEASURES TO PREVENT FURTHER SEDMENTATION.

8. NO MATERIAL SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF ANY WETLAND AREAS WITHOUT PROPER EROSION AND SEDIMENTATION DEVICES IN PLACE.

9. EQUIPMENT SHALL NOT BE PARKED WITHIN WETLAND OR BUFFER AREAS EXCEPT DURING ACTUAL OPERATIONS REQUIRING SAID EQUIPMENT. IO. ACCUMULATED SEDIMENT ALONG EROSION CONTROL BARBERS SHALL BE PERIODICALLY REMOVED AND DISPOSED OF BY THE CONTROLOR AS REQUIRED BY THE CONSERVATION COMMISSION OR AS DIRECTED BY THE ENDINEER.

EROSION CONTROL METHODS:

1. IT IS OF GREAT IMPORTANCE THAT CONCENTRATION OF RUNOFF BE AVOIDED IN ORDER TO PREVENT THE TRANSPORT OF SEDIMENT. 2. THE PRIMARY EROSION CONTROL METHOD TO BE UTILIZED IS TO UNIT THE AREA OF DISTURBANCE DURING CONSTRUCTION ACTIVITIES. THIS IS ACCOMPLISHED BY PROMP STABILIZA ROU OF DISTURBED AREAS UPON COMPLETION OF SEQUENCES OF CONSTRUCTION.

J. EROSION AND SEDIMENT CONTROL DEVICES SUCH AS HAY BALES, SILT FENCES, DIVERSION BERMS, ETC. SHALL BE UTILIZED FOR THE PROTECTION OF THE AREAS BEYOND THE LIMIT OF CONSTRUCTION.

DEMARCATION OF SENSITIVE AREAS:

1. IT IS RECOMMEND THAT BARRIERS BE PLACED ON THE STE TO CONTROL. THE UNITS OF THE DISTURBANCE. AS AN EXAMPLE, MAY BALE BARRIERS PROVIDE SUCH DEMARCATION AND OTHER METHODS SUCH AS LOG BARRIERS, ROPE WITH PLAGGING, ETC. MAY BE UTILIZED.

2. CARE SHOULD BE TAKEN IN THE OPERATION OF EQUIPMENT, SUCH THAT ONLY THE MINIMUM AREA NEEDED TO BE ALTERED IS DISTURBED.

1. ACCESS TO THE SITE SHALL BE MADE IN THE AREA OF A PERMANENT DRIVEWAY OR ROADWAY UNLESS DOWG SO WOULD RESULT IN A TRAFFIC HAZIRO

2. AN AREA OF CRUSHED STONE SHALL BE PLACED AT THE DRIVEWAY ENTRANCE TO INSURE THAT MUD IS NOT TRACKED ONTO THE ENSING ROAD (SEE CONTRUCTION ENTRANCE DETAIL). IF MUD IS MADVERTENTLY TRACKED ONTO THE ROAD, IT SHOULD BE PROMPTLY

3. LABORERS VEHICLES SHALL BE PARKED IN A DESIGNATED AREA AS TO MINIMIZE DISTURBED SURFACES AND TO MISURE THAT RUTS ARE NOT CREATED AND WHICH COULD CARRY WATER TO A WETLAND OR OTHER SENSITIVE AREA.

4. SUITABLE MEASURES SHALL BE TAKEN TO INSURE THAT LARGE DELIVERY TRUCKS SERVICING THE SITE DO NOT DAMAGE TO AREAS OF EXISTING VEGETATION OR CAUSE DISTURBANCE TO STABILIZED AREAS.

ORDERLY CONSTRUCTION PROCEDURES:

I. THE CONTRACTOR SHALL PERFORM SITE CONSTRUCTION IN A MANNER WHICH MILL INSURE THE STABULZATION OF AREAS IN PROMINTY OF OR TRIBUTARY TO METLAND AREAS AS SOON AS POSSIBLE.

2. EROSION CONTROL DEVICES SUCH AS HAY BALE BARRIERS, SILT FENCES AND MULCH SHALL BE BROUGHT TO THE SITE AND STOCKPILED PRIOR TO INITIATING CONSTRUCTION.

3. THE CONTRACTOR SHALL PROVIDE AREAS FOR THE TEMPORARY STORAGE OF CONSTRUCTION DEBRIS CONSTRUCTION DEBRIS SHALL BE ALLOWED TO ACCUMULATE FOR AN EXTENDED PERIOD OF THAL

CLEARING:

JAMES TO CLEARING SHALL BE PERFORMED IN PHASES CONSISTENT WITH ACTUAL CONSTRUCTION REQUIREMENTS, FINAL LAND, CLEARING SHALL BE LUMTED TO RETURN TO GRADE SLOPES.

2. TREES SHALL BE CUT AND STUMPS GROUND IN PLACE TO EXISTING CRADE TO MAINTAIN SOIL STABILIZATION. J. BRUSH AND BRANCHES SHOULD BE CHIPPED AND UTILIZED FOR WOOD MULCH IF PRACTICAL

4. VEHICLES UTILIZED IN THE CLEARING OPERATION SHOULD NOT TRAVERSE METLANDS OR FLOWING BROCKS OR STREAMS WITHOUT PRIOR APPROVAL FROM THE LOCAL CONSERVATION COMMISSION OR AGENT.

GRUBBING AND STRIPPING:

1, TOP SOIL SHALL BE RETAINED FOR LANDSCAPING PURPOSES. 2. GRUBBING AND STRIPPING OF SLOPES LEADING TO METLAND AREAS SHOULD NOT BE UNDERTAKEN DURING PERIODS OF INTENSE RAINFALL. J. TOP SOIL STOCKPILE LOCATIONS ARE DEPICTED ON THE SITE DEVELOPMENT PLAN. THE ERGSION CONTROL PLAN, AND/OR THE CONSTRUCTION PHASING PLAN AND SHALL BE ADHERED TO.

4. WHEN WORKING IN THE WICHITY OF WETLANDS, TOP SOIL SATURATED WITH WATER SHALL BE REMOVED, AND CONTAINED PRIOR TO BEING USED S. AREAS LEADING TO WETLANDS SHALL HAVE HAY BALE BARRIERS INSTALLED ACROSS THEM IN ARCS POINTING DOWN THE HILL AT INTERVALS SUFFICIENT TO MITIGATE RUNCET. CARRYING SEDIMENT.

6. DURING PERIODS OF INTENSE RAINFALL, OR IF THE PROJECT IS TO BE LEFT FOR A PERIOD OF TIME, CONSIDERATION SHOULD BE GIVEN TO SUPPLEMENT HAY BALE BARRIERS WITH ETHER CRUSHED STONE OR AMMORED BARRIERS. COMSIDERATION MAY ALSO BE GIVEN TO DIVERTING RUNGEF WITO TEMPORARY SEDMENTATION CONTROL AREAS. 7. WHENEVER PRACTICAL, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.

ROUGH GRADING:

I. THE ROUGH GRADING OF THE ROADWAY SHALL FOLLOW THE FILL AND EXCAYATION SEQUENCES, RESULTING IN SLOPES BEING MAINTAINED AWAY FROM WETLANDS AND SENSTIVE AREAS AS MUCH IS PRACTICAL.

2. DURING THIS PROCESS THE EROSION POTENTIAL IS HIGH. SUFFICIENT EROSION CONTROL BURNIERS SHOULD BE KEPT IN PROUBINTY TO THE WORK AREA. TO ALLOW GUICK ACTION SHOULD EROSION BECOME AN ISSUE AND TO INSTIRE THAT NO SEDIMENT REACHES WETLANDS OR OTHER SENSITIVE AREAS.

3. IN AREAS OF CUIT AND/OR FILL WHERE SLOPES COLLD DIVERT WATER TOWARD WETANIO AREAS, DIVERSION TECHNIES AND/OR SWALES SHOULD BE CONSIDERED AND IMPLEMENTED TO DIVERT WATER AWAY FROM THESE AREAS.

4. STEEP SIDE SLOPES IN EXCAVATION OR FILL SHOULD BE AVOIDED. 5. DISTURBED APPLES SHALL BE STABLIED BY LOAMING AND SEEDING OF PRINCIPAL PROPERTY ATTO THE PROPERTY OF AND SEED MET. THE THE PROPERTY OF SCURING DEVICES.

6. A GROUND COVER SUFFICIENT TO RETAIN SOILS IN A STABILIZED CONDITION MUST BE PROVIDED WITHIN 14 WORKING DAYS, SEASON PERMITTING, ON ANY PORTION OF THE TRACT UPON WHICH FURTHER ACTIVE CONSTRUCTION IS NOT BEING UNDERTAKEN.

DRAINAGE:

1. IF DRAINAGE PIPES OR SWALES ARE TO BE INSTALLED, THEY SHALL BE CONSTRUCTED FROM DOWNSTREAM UP AND CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF CUITALL RIPRAP AND OTHER MITIGATIVE MEASURES SHOWN ON THE PLAN.

3. THE TOE OF EMBANKHENTS SHALL BE STABILIZED IMMEDIATELY, MULDHED AND TACKED DOWN BY SUITABLE MEANS.

4. IF THE PROPOSED ROADWAY IS NOT PAVED IMMEDIATELY AFTER THE INSTALLATION OF DRAINAGE STRUCTURES, HAY BALES SHALL BE PLACED TO PROTECT THE INTEGRITY OF THE STRUCTURES.

BUILDING CONSTRUCTION: 1. DURING THE CONSTRUCTION OF BUILDINGS, MATERIALS SHALL BE STOCKPILED IN A MANNER AS NOT TO DURET OR CONCENTRATE RUNOFF IN ORDER TO PREVENT THE TRANSPORT OF SEDIMENT.

2. THE LOT SHOULD BE KEPT LITTER FREE.

3. NO FUELS, SOLVENTS, PAINTS, ETC. SHALL BE STORED ON SITE. THESE PRODUCTS SHALL BE REMOVED FROM THE SITE EACH EVENING AND RETURNED THE FOLLOWING DAY.

4. BURIAL OF MATERIALS OR CONSTRUCTION DEBRIS IS PROHIBITED. 5. PLASTERERS AND PAINTERS SHALL BE INFORMED THAT DISCHARGE OF LIQUIDS INTO A WETLAND OR RESOURCE AREA IS PROHIBITED.

LANDSCAPING:

MIDSCAPING OF AREAS SHOULD OCCUR AS SOON AS POSSIBLE. 2 IF THE SEASON OR ADVERSE HEATHER CONDITIONS DO NOT PERMIT THE ESTABLISHMENT OF MEGETATION, TEMPORARY HAY MULCH, OR OTHER MEANS OF STABILIZATION SHALL BE PERFORMED,

3. USE OF HERBICIDES MAY BE SUBJECT TO OTHER REGULATIONS. 4. CARE SHOULD BE TAKEN WITH FERTILIZERS SUCH THAT THEY ARE NOT CARRIED TO A WETLAND OR SENSITIVE AREA.

5. TRUNKS OF TREES SHOULD NOT BE COVERED WITH MORE THAN TWO (2) INCHES OF SOR. 6, STUMPS SHALL BE GROUND DOWN INTO A WOOD MULCH AND UTILIZED OR REMOVED FROM THE SITE.

CREATION OF DETENTION BASING

1. THE DETENTION BASIN HAS BEEN PLACED AS A SEPARATE ITEM TO EMPHASIZE THE MAPONIANCE OF EROSION CONTROL DURING ITS

2. THE PRIMARY EROSION CONTROL METHOD FOR BASIN CONSTRUCTION, AS WELL AS FOR THE SITE IS THE RAPID STABILIZATION OF ALL SURFACES. SECONDARY IN MPORTAINCE IS THE CONCENTRATION OF RUNGIF BE ANODED IN ONDER TO PREVENT THE TRANSPORT OF SECUMENT.

J. DURING CONSTRUCTION, THE FILL AND EXCAVATION SEQUENCES SHOWN ON THIS PLAW SHOULD BE UTBLZED. THESE SEQUENCES REQUIRE THAT SLOPED ABEAS LEFT FOR ANY PERIOD OF TIME NOT SLOPED TOWARDS THE WETLAND OR SENSITIVE AREA, BUT RATHER BACK INTO THE RIL MATERIAL.

4, THE BASIN BERM IS TO BE CONSTRUCTED BY EQUIPMENT WORKING ON STABLE MATERIAL ONLY. HAT BALES SHALL BE PLACED AT THE TOE OF SLOPE UNIT SUPPLACES ARE STABLIZED.

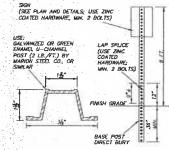
5. NO EXCAVATION WITHIN THE BASIN SHALL COMMENCE UNTIL THE BERM IS IN PLACE. 6. CARE SHOULD BE TAKEN TO WISURE THAT ORGANIC MATERIAL REMOVED FROM THE BASIN AREA IS RESERVED FOR FINISH GRADING AND THE STABILIZATION OF DISTURBED AREAS.

7. IF DEWATERING IS NECESSARY, PLANFING TO A SETTLING BASIN SHALL BE PERMITTED IF SETTLING BASIN IS CONSTRUCTED, MAINTAINED AND OPERATED EFFECTIVELY

B. AT NO TIME SHALL RUNDET CARRYING SEDIMENT BE ALLOWED TO FLOW TO THE WETLANDS OR SENSITIVE AREAS.

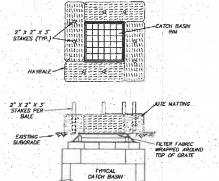
9. THE WORK AREA SHALL REMAIN FREE OF LITTER AND DEBRIS AT ALL TIMES AND MONITORED ON A DAILY BASIS TO ENSURE COMPLIANCE. 10. ALL MATERIALS STOCKPILED SHALL BE LOCATED, MULCHED OR OTHERWISE TREATED TO INSURE THAT MATERIALS CONTAINED, THEREIM, AREA NOT CARREED INTO THE WETLANDS.

11. ANY MATERIALS BLOWN OR CARRIED BY WATER AWAY FROM THE CONSTRUCTION SITE OR INTO THE WETLAND AREAS SHALL BE PROMPTLY REMOVED AS REQUIRED BY THE LOCAL CONSERVATION COMMISSION 12. A GEOTECHNICAL PLITER FABRIC SHALL BE PLACED OVER THE BASIN SUBDRAIN DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING AND CLOGGING THE DRAIN. THE FABRIC SHALL BE REMOVED FOR BASIN PREPARATION FOR FINAL STABILIZATION.

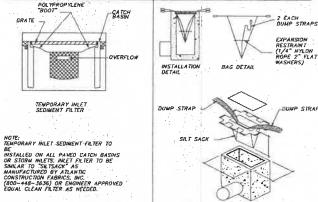


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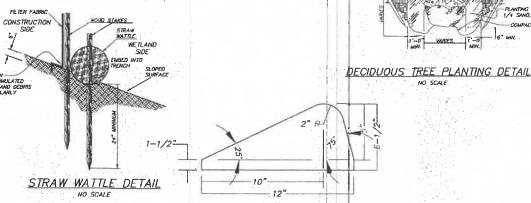
NOTES:
I. INSTALL HAY BALES FOR TEMPORARY SEDMENTATION CONTROL.
2. PERFORM BUILDING AND STE: CONSTRUCTION.
3. CLEAN OUT CATCH BASING THE OWNERS.
4. RESTORE ALL DISTURBED AREAS.
5. ICAM AND SEED ALL DISTURBED AREAS.
6. REMOVE TEMPORARY EROSION CONTROL AFTER VEGETATION IS ESTABLISHED.



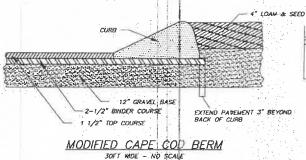
TEMPORARY ROADWAY SEDIMENT CONTROL NO SCALE



SILT SACK DETAIL NO SCALE



S-3 30" x 30'



VERTICAL GRANITE CURBING

GRANITE CURB SET

1-1/2" TOP COURSE

2-1/2" BASE COURSE

UNDISTURBED EARTH OR SUITABLE MATERIAL COMPACTED TO 95% DRY DENSITY

S" REVEAL

6" MINIMUM

6" LOAM & SEED

NOTE:

1. VERROCK, OPANITE CURBING TO BE SET ALONG ROADWAY ENTRANCE RADE AND FOR REY FIELD BY THE TOWN FOR THANKEY.

2. VERRICK, ENHANTE CURBING TO BE SET OF THE FET BY THAN PROPERTY OF THANKEY.

3. VERROCK, GHANET, CURB WELTS TO BE SET ALL CATORIOSASS AND SET ONE WICH BACK FROM CUTTER DEAN GROWN CONTROLLED TO THE WICH BACK FROM GUTTER DEAN GROWN.

STORMWATER OPERATION AND MAINTENANCE PLAN

THE FOLLOWING SHALL BE CONSIDERED THE OPERATION & MAINTENANCE PLAN (OMP) FOR THE STORMWATER COLLECTION FACULTY FOR THIS DEVELOPMENT.

NO SCALE

NO SCALE

MSTALL DEWCE TO PROTECT STEEP SLOPES. FROM FRONCIA

DEVICE TO RETAIN

THIN BRANCHES & FOLIAGE (NOT ALL END TIPS) BY 1/ RETAINING NORMAL SHAPE (LEADERS RETAINED)

CREATE 4" BERM AROUND ENTIRE BASE CAPABLE OF HOLDING 4" WATER DEPTI

FROM TOP OF ROOT BALL

STABILIZE OUT-SLOPES AND MALCH SE DESCRIPTION

- LOAM AND SEED EXCAVATED AREAS AS SOON AS POSSIBLE

-- EXISTING GRADE

WSH GRADE

PHASE IV

FILL SEQUENCE

REMOVE BERN ONCE

PHASE II-A

PHASE III

DEVICE TO LIMIT RUNDET FROM PENSITIVE AREAS

LOAN AND SEED A MACH SERN AREA

EXCAVATION SEQUENCE

MORKING FACE SHALL ALWAYS SLOPE AWAY FIRE STANDINE AREA

ONLY AS REQUIRED PRIOR TO PLACEMENT OF MATERIALS

PHASE

PHASE III

PHASE

GRIB AND STREP BIE LEAVING DIVES I UNDISTRINGED MATERI OR GRADE TO CHITCA RUNOFF ON A LOCAL BASIS.

PHASE N-B

NOTCHED GUY STAKE 3 EA /TREE 120' RADIAL

1'-0 VARIES

NO SCALE

IN STRUME UPWENDERST.

THE SYSTEM SHALL INCLUDE THE DRAINAGE INFRASTRUCTURE AND ALL OF ITS COMPONENTS AS SHOWN ON THE SITE DEVELOPMENT.

PLANS. THE SYSTEM SHALL ALSO INCLUDE THE PHYNO TO THE COMPECTION TO THE TOWN OF LANCASTER DRAINAGE SYSTEM. THE

STRUCTURES OF THE SYSTEM SHALL HALSO INCLUDE THE PHYNO TO THE COMPECTION TO THE COMPOSITE DRAINAGE.

STRUCTURES OF THE SYSTEM SHALL INCLUDE MANHALES, CATCH BASING, UND OUTFALL & CONTROL STRUCTURES, AND SHALL BE

CONSTRUCTED IN ACCORDANCE MITH THE CONSTRUCTION DETAILS AND THE APPROVED PLANS.

UPON THE COMPLETION OF CONSTRUCTION. THE DRAINAGE SYSTEM SHALL RELIAN THE PROPERTY OF HOMEOWHER ASSOCIATION AND MICLUSES RIGHTS AND RESPONSIBILITIES TO MAINTAIN, INSPECT, REPAIR, REPLACE, ETC., THE COMPONENTS OF THE DRAINAGE SYSTEM, INCLUDING OUTFILL & CONTROL STRUCTURES.

B. PESPONSBEE PARTIES
THE LAND OWNER SHALL BE CONSIDERED THE RESPONSBEE PARTY FOR THE OPERATION AND MAINTENANCE OF THE STORMHATER MAMAGEMENT SYSTEM. THE SYSTEM SHALL MICLIDE THE DHAIMAGE INTRASPRUCTURE AND ALL OF ITS COMPONENTS MITHIN AMAGEMENT SHALL BE CAROLING FOR SHALL BE CAROLING FOR THE OPERATION AND MAINTENANCE OF THE

B. INSPECTION & MUNITERANCE SCHEDULE SHALL BE FOLLOWED IN ORDER TO MAINTAIN THE EFFECTIVENESS OF THE STORMWATER MAMAGEMENT SYSTEM.

STRUCTURE TYPE	INSPECTION	MAINTENANCE	TASK
CATCH BASINS	QUARTERLY AND AT THE END OF END OF THE FOLIAGE AND SNOW REMOVAL SEASONS	OUARTERLY, OR WHENEVER THE DEPTH OF DEPOSITS IS GREATER THAN OR EQUAL TO ONE HALF THE DEPTH FROM THE BOTTOM OF THE INVERT OF THE LOWEST PIPE	REMOVE SEDIMENT FROM SUMPS ***GRATES TO BE KEPT CLEAR THROUGHOUT THE YEAR***
HYDROWORKS HYDROGUARO	ANNUALLY IN THE SPRING	ANNUALLY IN THE SPRING	REMOVE SEDIMENT FROM SUMPS
RIP RAP APRONS	THICE A YEAR	EVERY 10 YEARS	CLEAN & AOD STONE
SPILLWAYS .	TWICE A YEAR	EVERY 10 YEARS	REMOVE DEBRIS & ADD STONE
DETENTION BASINS	MONTHLY (MAY-OCT)	MONTHLY (MAY-OCT)	MOW CRASS AREAS & REMOVE DEBRIS REMOVE SEDIMENT IF PRESENT

1. A MAJOR STORM EVENT IS DEFINED AS A STORM THAT IS EQUAL TO OR GREATER THAN THE 2—YEAR, 24 HOUR STORM (THREE (3) INCHES IN A 24—HOUR PERIOD).

2. ANY SEMIENTS AND HYDROCARBONS FEDOUD, DIFFIGURED OF STORMMATER MANAGEMENT SYSTEM SHOULD BE TRANSPORTED OF SITE FOR DISPOSAL DISPOSAL OF SEDMENTS AND HYDROCARBONS SHALL BE DONE OF ACCOMPANCE WITH ALL APPLICABLE LIMIS,

3. IT IS RECOMMEDED THAT ICE REMOVAL/PREVENTION METHODS LIMIT OR AVOID THE USE OF SAND PRODUCTS ON THE PROJECT.



HANNIGAN ENGINEERING, INC. CIVIL ENGINEERS & LAND SURVEYORS

CONSTRUCTION DETAILS LANCASTER, MASSACHUSETTS

REPARED FOR NORTH LANCASTER LLC STEVE BOUCHER 435 LANCASTER STREET LEOMINSTER, MASSACHUSETTS 01453

CALC: CHA/WOH DRWN: CMA/WOH SCALE: NA

CHKD: WOH APPD: WDH DATE: MAR 26,202 SRV: JFF FB: FILES JOB NO: 2226 TAB: (13) DET SHEET 13 OF 15 PLAN NO:C-11-

