

PROPOSED SITE PLAN DOCUMENTS

FOR

DRAKE PETROLEUM COMPANY, INC.

PROPOSED FUELING STATION IMPROVEMENTS

LOCATION OF SITE:
27 WORCESTER-PROVIDENCE TURNPIKE,
TOWN OF SUTTON,
WORCESTER COUNTY, MASSACHUSETTS
MAP #5, LOT #18

REFERENCES

BOUNDARY & TOPOGRAPHIC SURVEY:
CONTROL POINT ASSOCIATES, INC.
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
DATE: 05/25/2023
REVISED: 10/03/2023

*THE ABOVE REFERENCED DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THESE PLANS. HOWEVER, BOHLER ENGINEERING DOES NOT CERTIFY THE ACCURACY OF THE WORK REFERENCED OR DERIVED FROM THESE DOCUMENTS, BY OTHERS.

REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	10/17/2023	RESPONSE TO COMMENTS	AEH
2	10/31/2023	RESPONSE TO COMMENTS	AEH
3	11/15/2023	RESPONSE TO COMMENTS	AEH



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PROJECT No.: MAA230138.00
DRAWN BY: AEH/CPB
CHECKED BY: DEG
DATE: 07/26/2023
CAD ID: MAA230138.00-SFPD-3A

PROJECT:

PROPOSED SITE PLAN DOCUMENTS

FOR

DRAKE
PETROLEUM
COMPANY, LLC

PROPOSED FUELING
STATION IMPROVEMENTS

MAP: 5 BLOCK: 18
27 WORCESTER PROVIDENCE
TURNPIKE,
TOWN OF SUTTON,
WORCESTER COUNTY,
MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900

www.BohlerEngineering.com



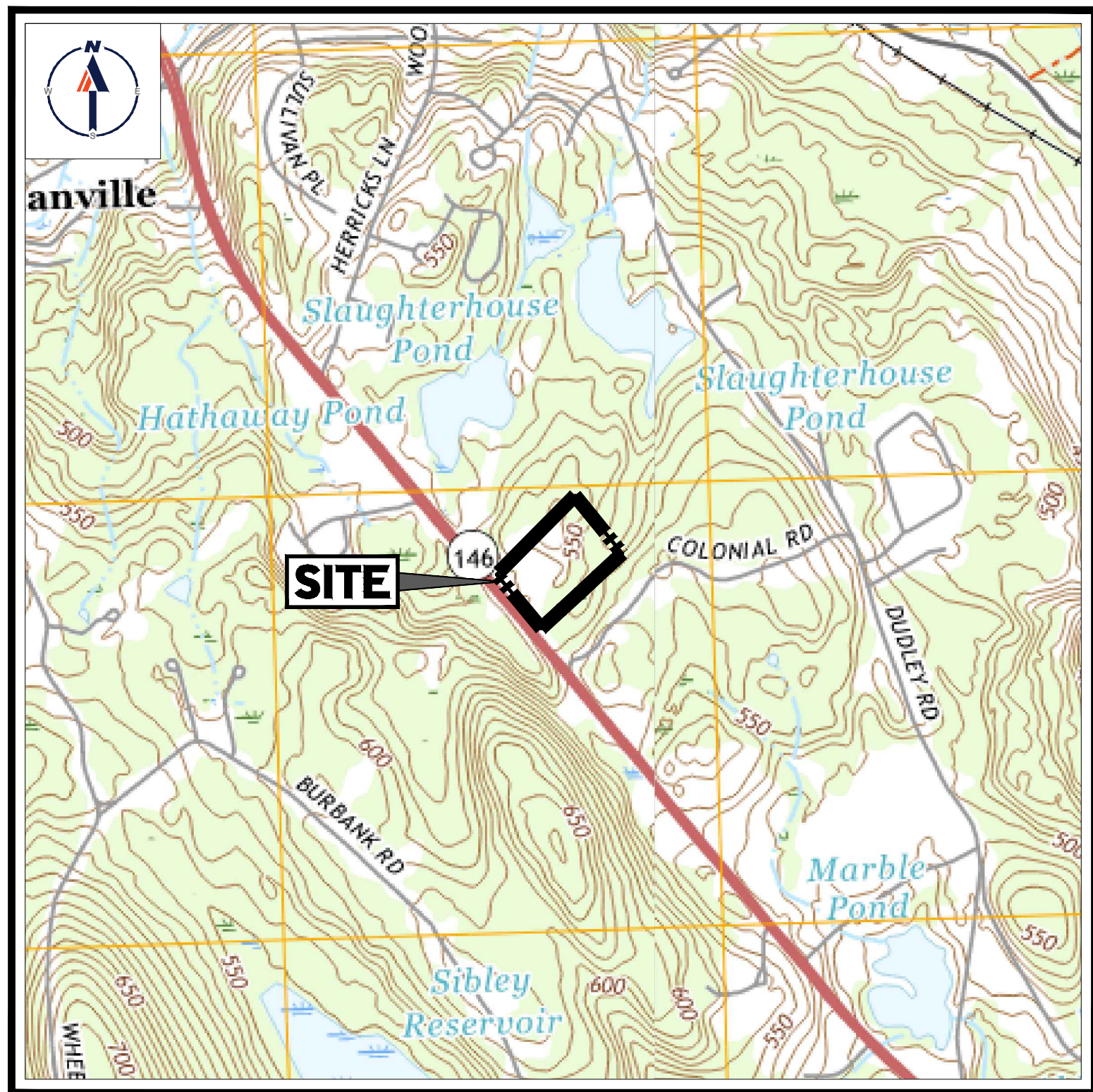
SHEET TITLE:

COVER
SHEET

SHEET NUMBER:

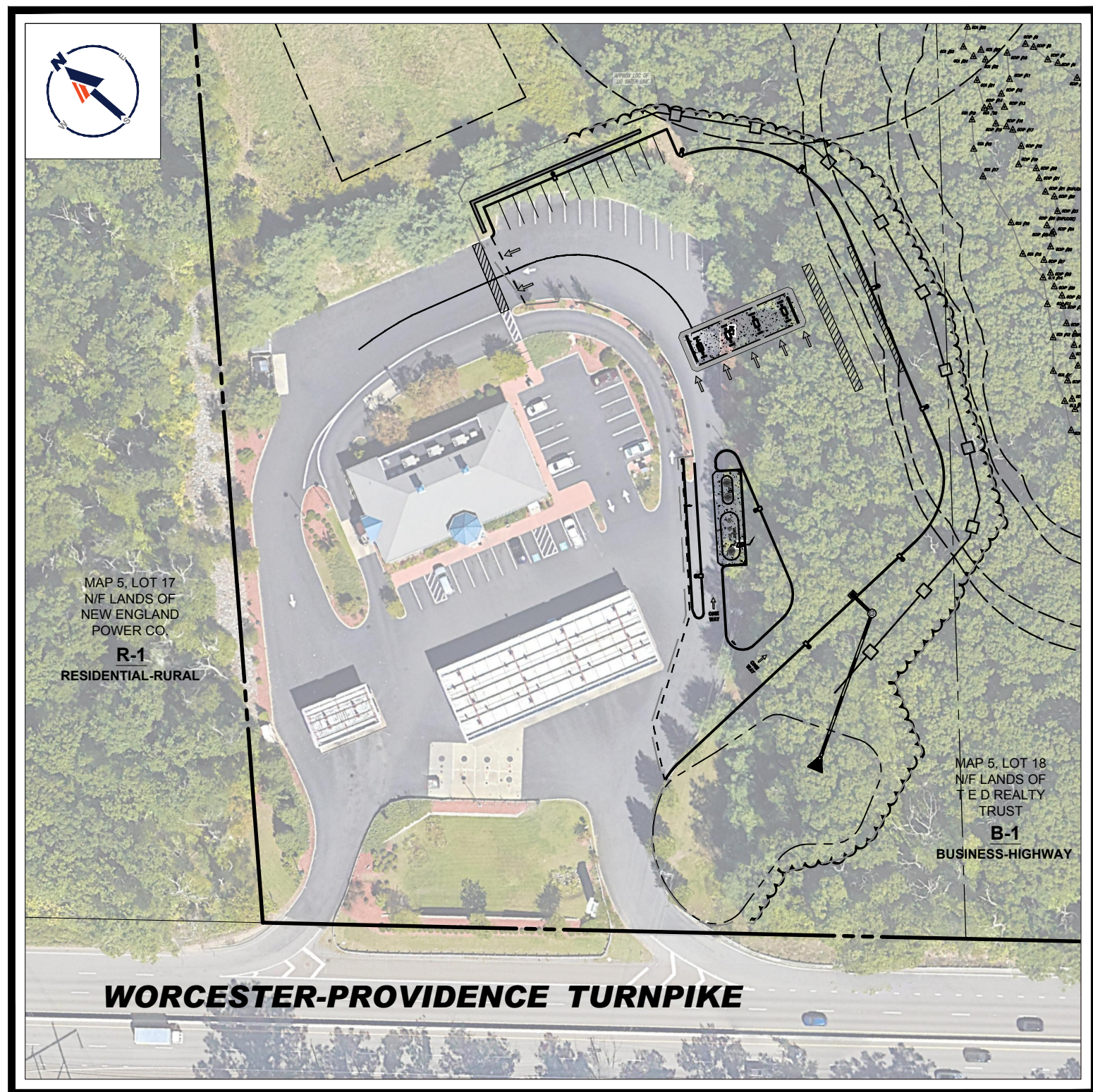
C-101

REVISION 3 - 11/15/2023



USGS MAP

SCALE: 1" = 1,000'
SOURCE: USGS



SITE MAP

SCALE: 1" = 80'
SOURCE: MICROSOFT AERIAL
IMAGERY 2023

PREPARED BY

BOHLER

DRAWING SHEET INDEX

SHEET TITLE	NUMBER
COVER SHEET	C-101
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DEMOLITION PLAN	C-201
SITE LAYOUT PLAN	C-301
GRADING & DRAINAGE PLAN	C-401
SOIL EROSION & SEDIMENT CONTROL PLAN	C-601
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DETAIL SHEET	C-901
DETAIL SHEET	C-902
REFERENCE PLANS	
BOUNDARY, TOPOGRAPHIC, AND UTILITY SURVEY	3 SHEETS

APPROVAL BLOCK

TOWN PLANNING BOARD APPROVAL
APPROVED BY THE PLANNING BOARD OF THE TOWN OF SUTTON, MA.

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SIGNATURE	DATE
SIGNATURE	DATE

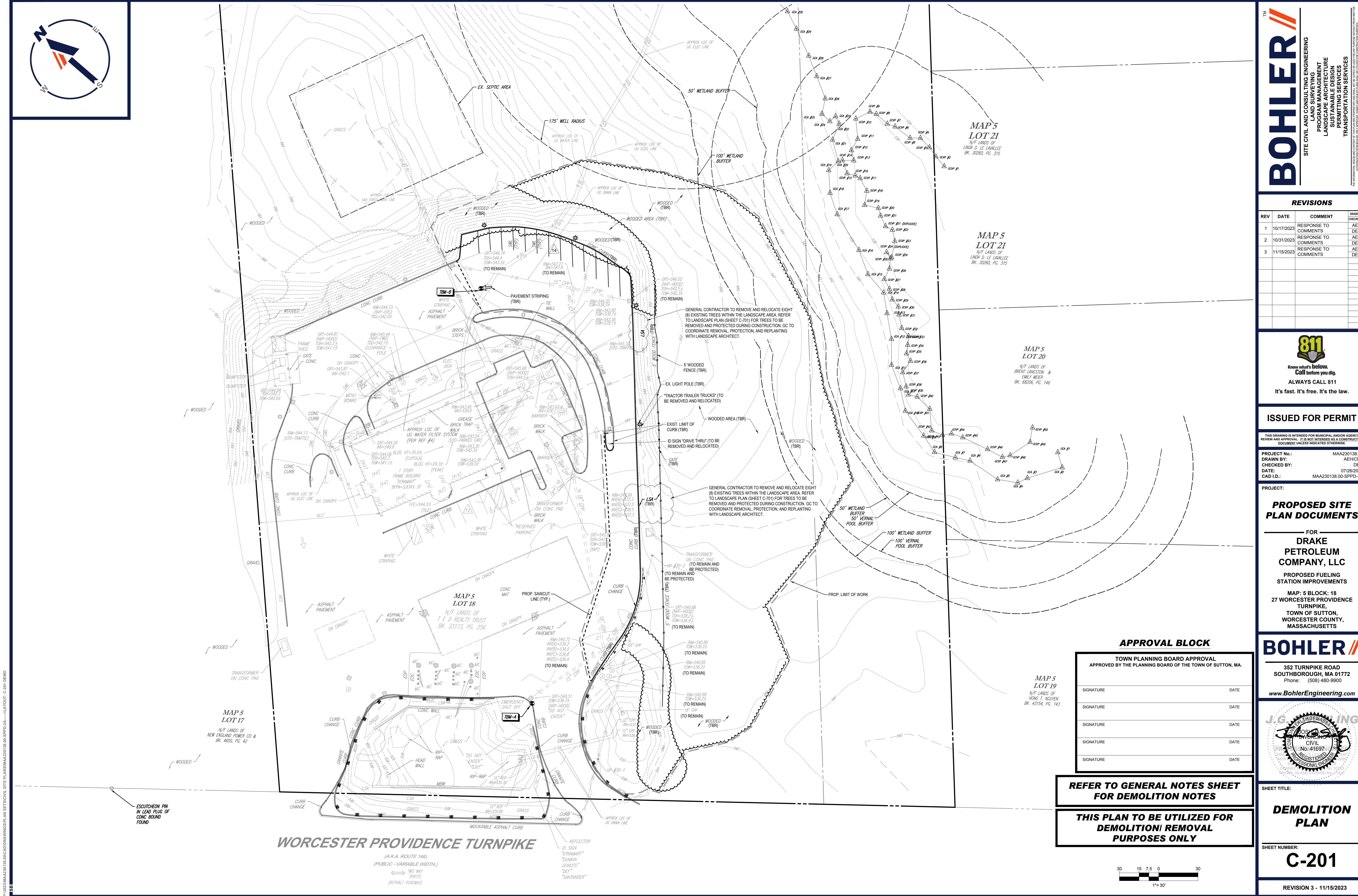
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	SIGNATURE	DATE
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C-102

REVISION 3 - 11/15/2023



BOHLER

SITE CIVIL AND CONSULTING ENGINEERING
LANDSCAPE ARCHITECTURE
PROGRAM MANAGEMENT
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS				
REV	DATE	COMMENT	DESIGNED BY	CHECKED BY
1	10/17/2023	RESPONSE TO COMMENTS	AEH	DEG
2	10/31/2023	RESPONSE TO COMMENTS	AEH	DEG
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PLAN DOCUMENTS

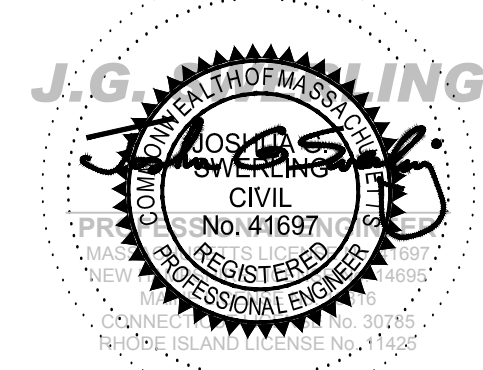
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DRAKE
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SHEET TITLE:
DEMOLITION
PLAN

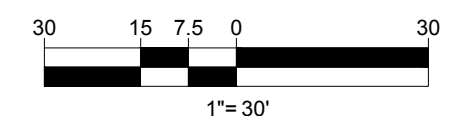
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C-201

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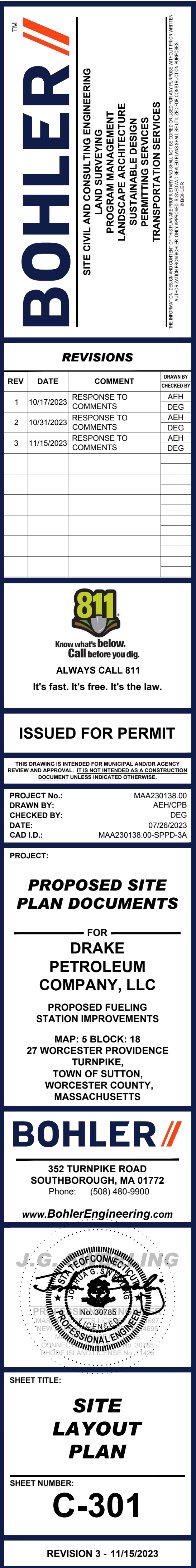
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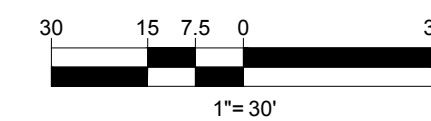
REFER TO GENERAL NOTES SHEET
FOR DEMOLITION NOTES

THIS PLAN TO BE UTILIZED FOR
DEMOLITION/ REMOVAL
PURPOSES ONLY



P:\2023\MAA230138.00\CAD\DRAWINGS\PLAN SITE\BTR\CIVIL\SITE PLANS\MAA230138.00-SPFD-3A.dwg - LAYOUT: C-201 DEMO





SHEET TITLE

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PROJECT:

— FOR —

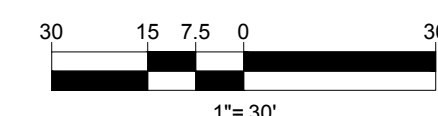
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SHEET NUMBER

REVISION 3 - 11/15/2023



(A.K.A. ROUTE 146)
(PUBLIC - VARIABLE WIDTH.)
⇔ TWO WAY TRAFFIC
(ASPHALT ROADWAY)

**REFER TO SOIL EROSION CONTROL
NOTES & DETAIL SHEET FOR
EROSION NOTES AND DETAILS**

C-601

REVISION 3 - 11/15/2023

EROSION AND SEDIMENT CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. AT A MINIMUM, AREAS SHALL BE PERMANENTLY STABILIZED ACCORDING TO THE CURRENT EDITION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), OR IN THE ABSENCE OF A SWPPP, THEY SHALL BE PERMANENTLY STABILIZED WITHIN 14 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
3. SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 8%.
4. INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.
5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED. FOR SEDIMENT CONTROL DEVICES THAT ARE WITHIN AREAS SUBJECT TO CONSERVATION COMMISSION JURISDICTION, THE DEVICES SHALL REMAIN IN PLACE AND BE REMOVED IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1) UNLESS OTHERWISE INDICATED ON THE PLANS. SLOPE PROTECTION FOR SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.
7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL STANDARDS.
10. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
- 10.1. SIX INCHES, OR DEPTH SPECIFIED ON THE LANDSCAPE PLAN, OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
- 10.2. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF).
- 10.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEEDDED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEEDDED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUE-GRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN. QUALITY SOO MAY BE SUBSTITUTED FOR SEED WHERE SLOPES DO NOT EXCEED 2:1, SOO ON SLOPES STEEPER THAN 3:1 SHOULD BE PEGGED.
- 10.4. STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE NON-TOXIC BINDER WILL BE USED ON STRAW MULCH FOR WIND CONTROL.
11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS 70% STABILIZED. FOR EROSION CONTROL MEASURES THAT ARE WITHIN AREAS SUBJECT TO CONSERVATION COMMISSION JURISDICTION, THE MEASURES SHALL REMAIN IN PLACE AND BE REMOVED IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
12. WETLANDS WILL BE PROTECTED WITH BARRIERS CONSISTING OF STRAW BALES, COMPOST TUBES, SILT FENCE OR A COMBINATION THEREOF.
13. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.
14. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED.

LOCATION	MULCH	MULCH RATE (1000 SF)
PROTECTED AREA	STRAW	100 POUNDS
WINDY AREA	SHREDDED OR CHOPPED CORNSTALKS STRAW (ANCHORED)*	185-275 POUNDS 100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED
GREATER THAN 3:1	(REFER TO GEOTECHNICAL REPORT FOR FINAL DESIGN REQUIREMENT)	

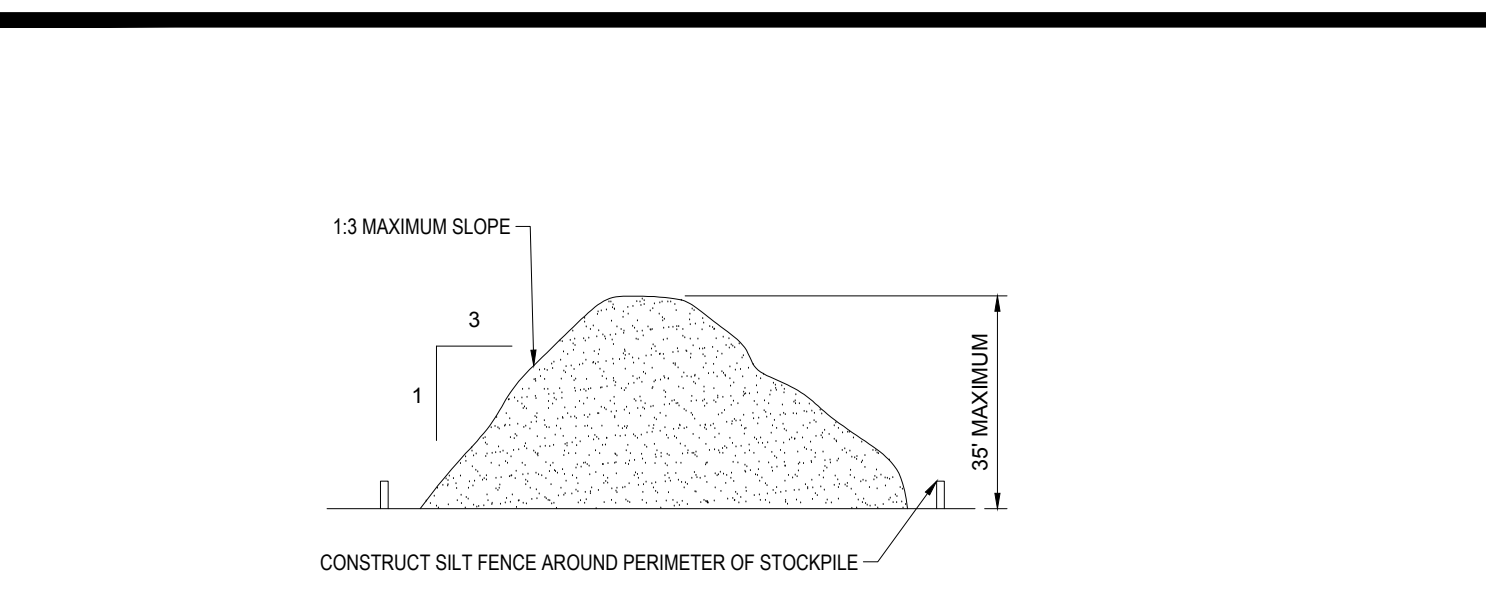
* A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE NON-TOXIC BINDER SHALL BE USED TO ADDITIONAL WIND CONTROL.

* MULCH ANCHORING: ANCHOR MULCH WITH PEG AND TWINE (1 SO, YD/BLCK), MULCH NETTING (AS PER MANUFACTURER); WOOD CELLULOSE FIBER (750 LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

15. PROPOSED LOCATIONS OF SURFACE STORMWATER MANAGEMENT BASINS CAN BE UTILIZED AS A TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION. SEDIMENT TRAPS SHALL BE SIZED AND CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 15.1. TEMPORARY SEDIMENT TRAPS SHALL BE SIZED PER THE CURRENT EDITION OF THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" AND PROVIDE A MINIMUM OF 1,800 CF PER ACRE OF TRIBUTARY AREA WITH A MAXIMUM TRIBUTARY AREA OF 5 ACRES, MAINTAIN A 2:1 LENGTH TO WIDTH RATIO, AND NOT EXCEED 5 FT IN HEIGHT. UPON SITE STABILIZATION, ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE TEMPORARY SEDIMENT TRAP EXCAVATED TO 1 FOOT BELOW THE TRAP. THE AREA SHALL THEN BE SCARIFIED TO PREVENT COMPACTION AND PROMOTE INFILTRATION, AND GRADED AND STABILIZED IN ACCORDANCE WITH THE GRADING AND LANDSCAPE PLANS.
16. STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF.
17. EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.
18. THE CONTRACTOR MUST PERFORM DEWATERING (IF REQUIRED), IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND PAY FOR THE COSTS ASSOCIATED WITH ANY AND ALL NECESSARY DISCHARGE PERMITS ASSOCIATED WITH SAME.
19. 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 AND 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 AND RESPONSE PROCEDURES.
20. EROSION CONTROL NOTES DURING WINTER CONSTRUCTION
21. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
22. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT THE AMOUNT OF AREA OPEN AT ONE TIME IS MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE AND IN CONFORMANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN SUCH THAT ADEQUATE PROVISIONS ARE EMPLOYED TO CONTROL STORMWATER RUNOFF.
23. CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
24. AN AREA SHALL BE CONSIDERED TO HAVE BEEN TEMPORARILY STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR STRAW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDDED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
25. FOR AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR A PERIOD EXCEEDING 14 DAYS BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDDED. IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDDED AT A RATE OF 200-300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED AS APPLICABLE. SLOPES SHALL NOT BE LEFT UNSTABILIZED OVER THE WINTER OR IN AREAS WHERE WORK HAS CEASED FOR MORE THAN 14 DAYS UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF SEDIMENT BARRIERS OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.
26. MULCHING REQUIREMENTS:
- 26.1. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.
- 26.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
- 26.3. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15%. AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
27. ALL DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE STORMWATER PREVENTION PLAN.
28. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

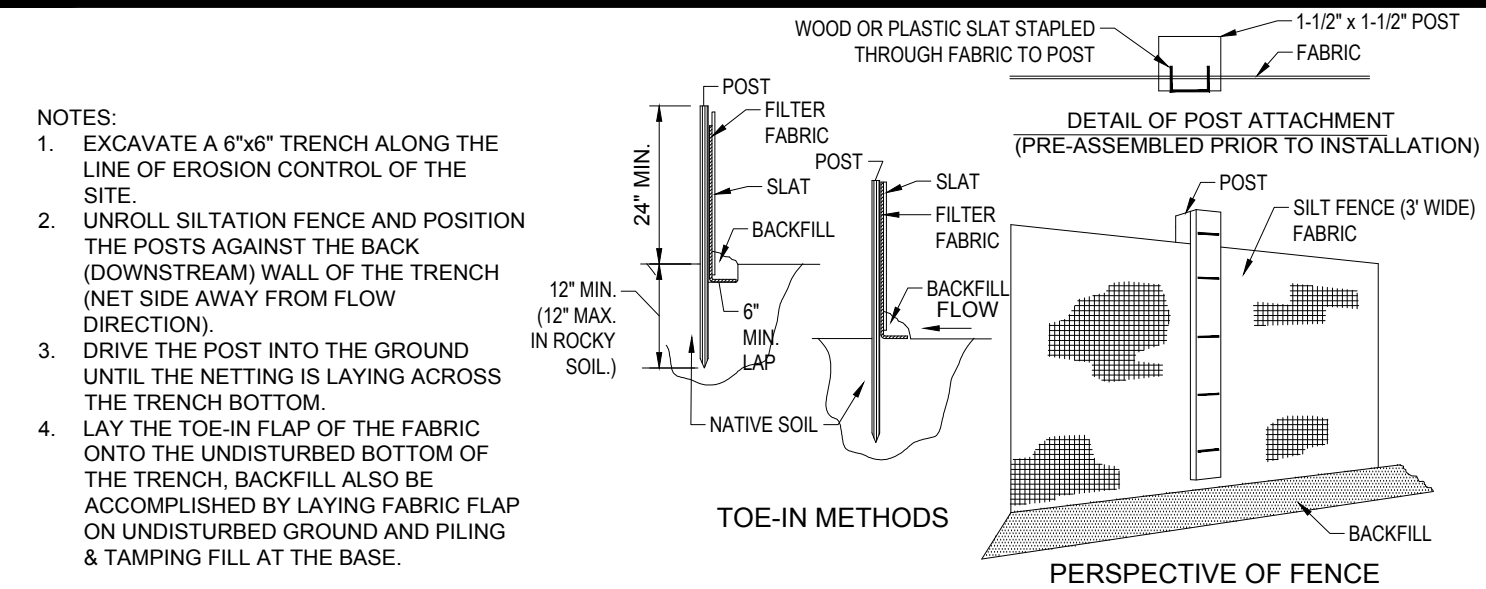
GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.
2. EROSION CONTROL MEASURES MUST CONFORM TO THE STATE, LOCAL, AND FEDERAL GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL UNLESS OTHERWISE NOTED, OR UNLESS THE PROFESSIONAL OF RECORD 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.
3. THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 1.84 ACRES.
4. 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 MIN. 12" BIODEGRADABLE MULCH WATTLES AROUND ALL OF THE DOWNSLOPE PERIMETERS OF THE SITE, TEMPORARY FILL AND SOIL 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 DISTURBED AREA.
5. INSTALLATION OF EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH ALL OF THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR MUST INSPECT EROSION CONTROL MEASURES WEEKLY. THE CONTRACTOR MUST REMOVE ANY SILT DEPOSITS GREATER THAN 6 INCHES OR HALF THE EROSION CONTROL BARRIER'S HEIGHT COLLECTED ON THE FILTER FABRIC AND/OR SILT SOCK BARRIERS AND EXCAVATE AND REMOVE ANY SILT FROM DROP INLET PROTECTION.
7. 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.
8. THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL MEASURES IF THE PROFESSIONAL OF RECORD SO REQUIRES, TO PREVENT ANY, INCLUDING THE INCIDENTAL, DISCHARGE OF SILT-LOADED RUNOFF FROM EXITING THE SITE.
9. 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 COSTS 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 ALL SUCH COSTS.
10. THE CONTRACTOR MUST CONTINUE TO MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND THE ESTABLISHMENT OF VEGETATION.
11. THE CONTRACTOR MUST REMOVE EROSION CONTROL MEASURES, SILT AND DEBRIS AFTER ESTABLISHING PERMANENT VEGETATION COVER OR OTHER INSTALLING A DIFFERENT, SPECIFIED METHOD OF STABILIZATION.
12. THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES, MEASURES AND STRUCTURES. ADDITIONAL FACILITIES, MEASURES AND STRUCTURES MUST BE INSTALLED WHERE NECESSARY TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AND/OR TO PREVENT ANY, INCLUDING THE INCIDENTAL, DISCHARGE OF SILT-LOADED RUNOFF FROM EXITING THE SITE.
13. 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 LOCATIONS AND DETAILS.
14. THE CONTRACTOR MUST REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION.
15. 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 END OF PROJECT.
16. 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 CONTROL MEASURES.
17. 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.



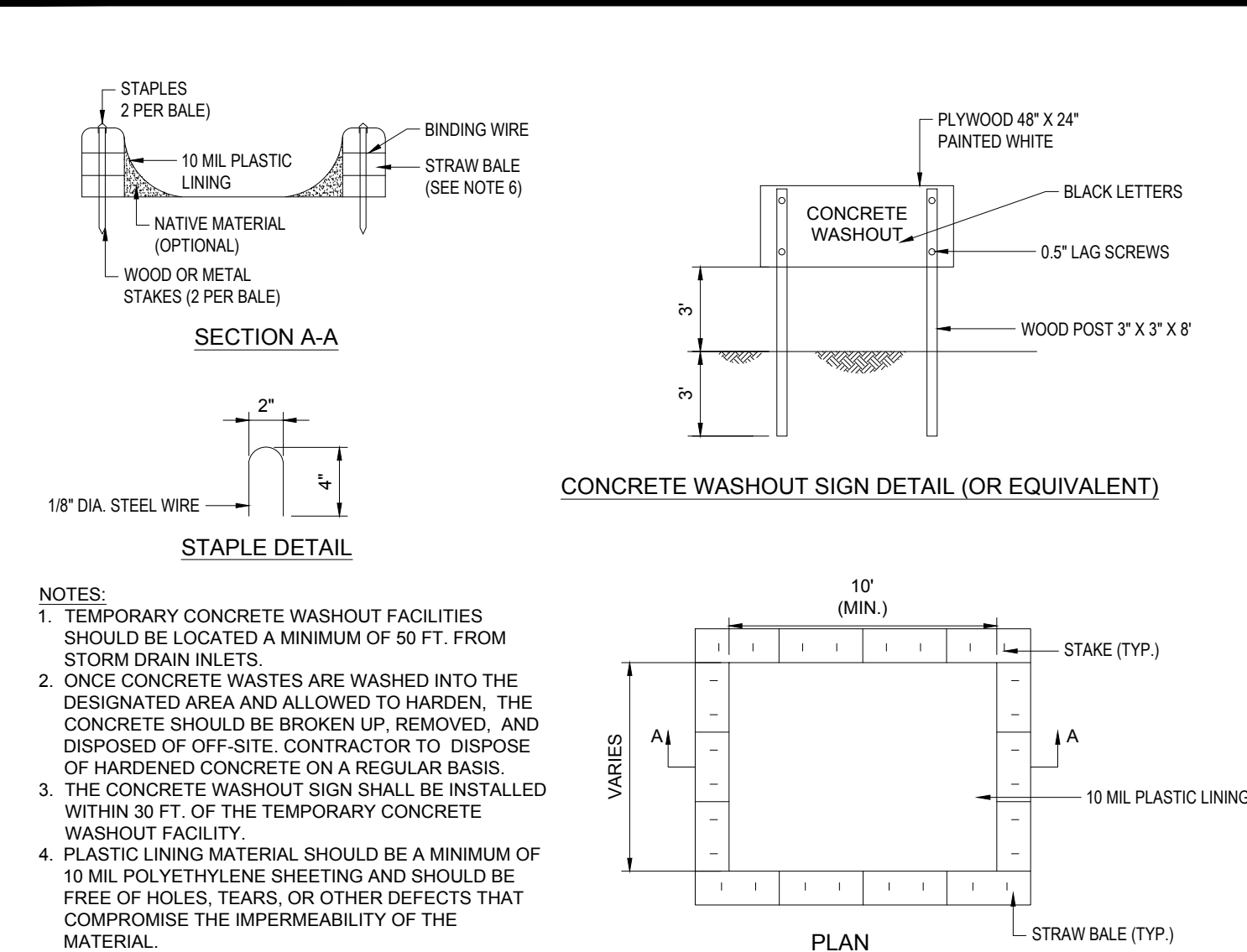
TEMPORARY STOCKPILE

N.T.S.



TYP. SILTATION FENCE

N.T.S.



CONCRETE WASTE MANAGEMENT AREA

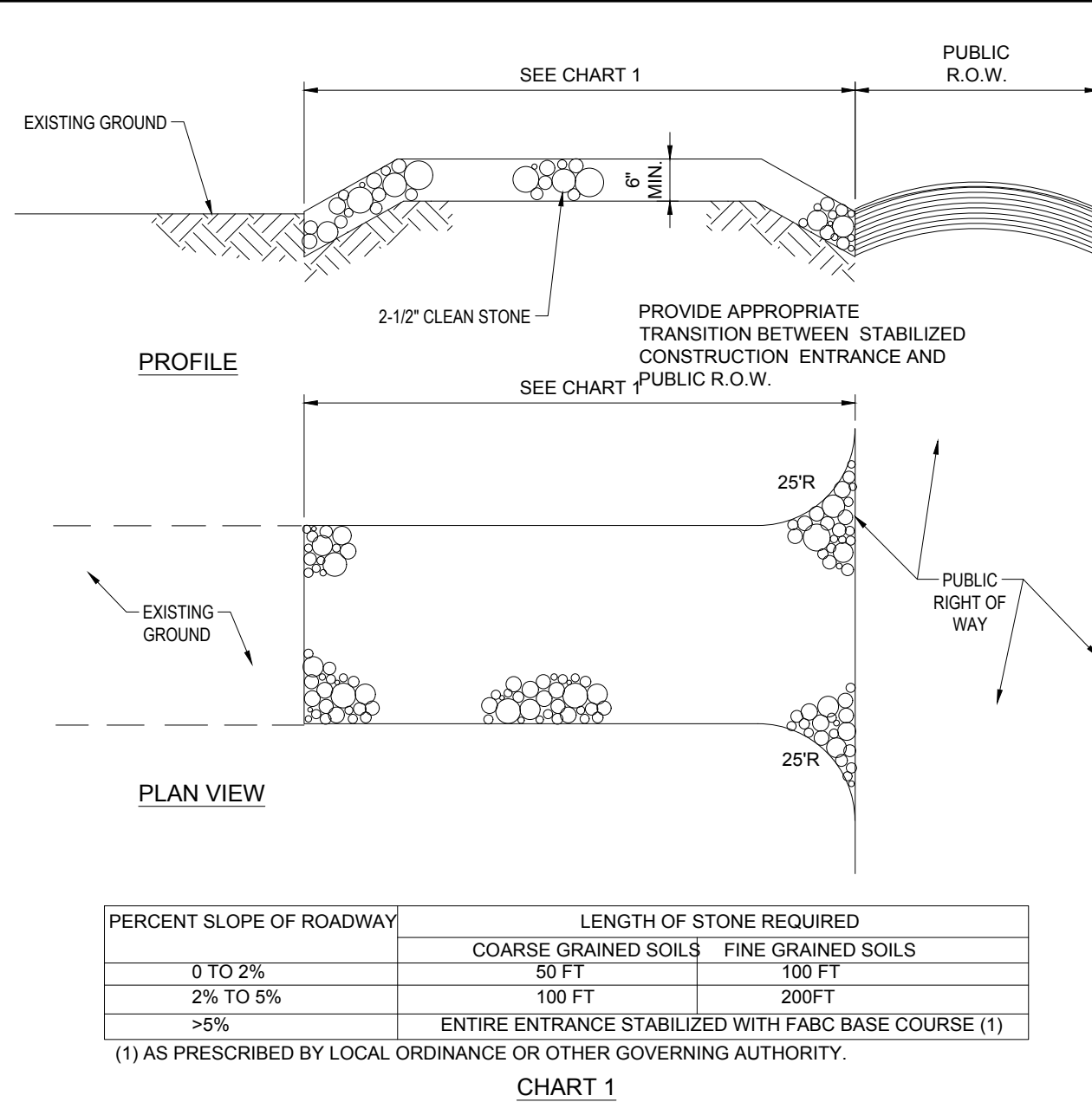
N.T.S.

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

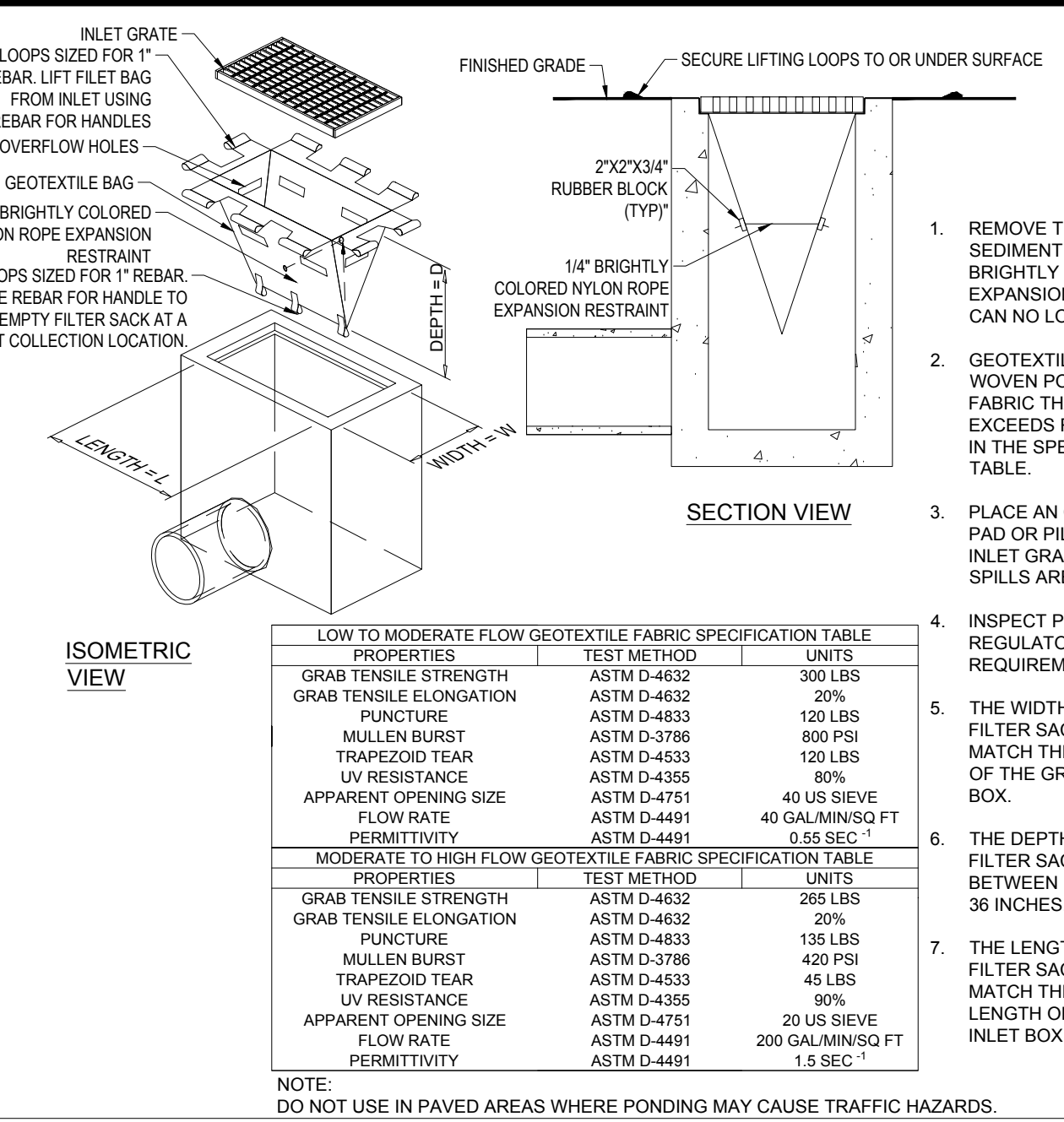
- INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT (AS SHOWN)
- INSTALLATION OF EROSION CONTROL BARRIER (STRAW BALES AND SILT FENCE) (AS SHOWN)
- INSTALLATION OF INLET PROTECTION IN STREET (AS SHOWN)
- DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN)
- DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN)
- CLEARING AND GRUBBING
- INSTALLATION OF TEMPORARY SWALES AND SEDIMENT BASINS
- EARTHWORK AND EXCAVATION/FILLING AS NECESSARY
- CONSTRUCTION OF UTILITIES
- STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH TEMPORARY SEEDING
- INSTALLATION OF INLET PROTECTION OF ON-SITE UTILITIES (AS SHOWN)
- CONSTRUCTION OF GAS CANOPY
- CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS
- SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH
- FINAL GRADING OF ALL SLOPED AREAS
- PLACE 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH SEED MIXTURE TO BE INSTALLED AS REQUIRED.
- REMOVAL OF THE TEMPORARY SEDIMENT BASINS
- PAVE PARKING LOT
- LANDSCAPING
- REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER

RECOMMENDED CONSTRUCTION SEQUENCE

N.T.S.



STABILIZED CONSTRUCTION ENTRANCE

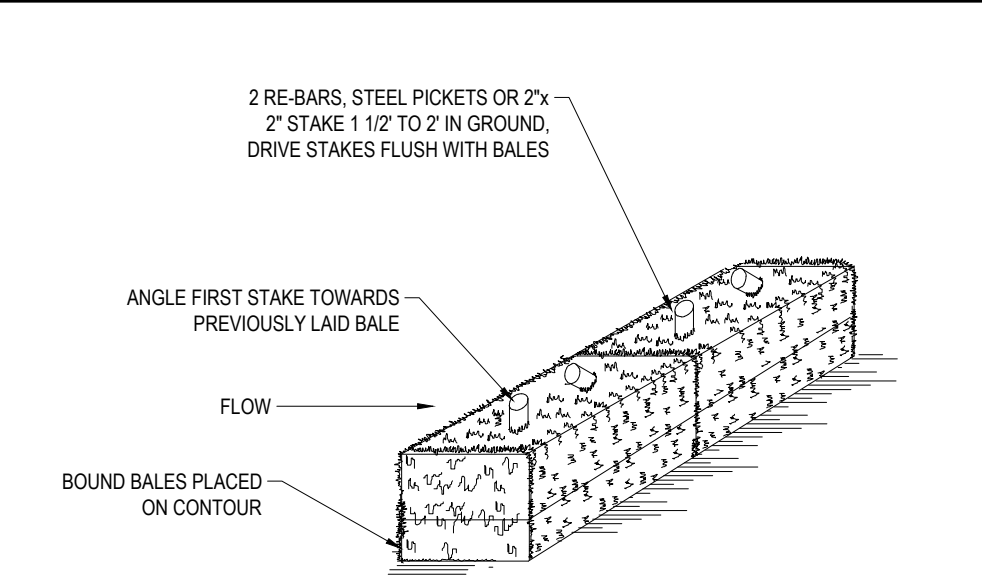


FILTER SACKS (GRATED INLETS)

N.T.S.

STRAW BALE

N.T.S.



- NOTES:
1. BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

APPROVAL BLOCK

TOWN PLANNING BOARD APPROVAL
APPROVED BY THE PLANNING BOARD OF THE TOWN OF SUTTON, MA.

SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE



REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	10/17/2023	RESPONSE TO COMMENTS	AEH DEG
2	10/31/2023	RESPONSE TO COMMENTS	AEH DEG
3	11/15/2023	RESPONSE TO COMMENTS	AEH DEG



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THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230138.00
DRAWN BY: AEH/CPB
CHECKED BY: 07/26/2023
DATE: 07/26/2023
CAD ID: MAA230138.00-SFPD-3A

PROJECT:

PROPOSED SITE PLAN DOCUMENTS

FOR
DRAKE
PETROLEUM
COMPANY, LLC

PROPOSED FUELING
STATION IMPROVEMENTS

MAP: 5 BLOCK: 18
27 WORCESTER PROVIDENCE
TURNPIKE,
TOWN OF SUTTON,
WORCESTER COUNTY,
MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900

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SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS

SHEET NUMBER:

C-602

REVISION 3 - 11/15/2023



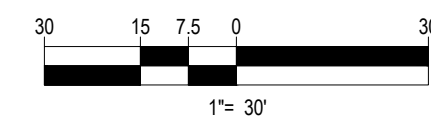
OWNER MAINTENANCE RESPONSIBILITIES

TOWN PLANNING BOARD APPROVAL
APPROVED BY THE PLANNING BOARD OF THE TOWN OF SUTTON, MA

SIGNATURE	DATE
SIGNATURE	DATE
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SIGNATURE	DATE

**THIS PLAN TO BE UTILIZED FOR
LANDSCAPE PURPOSES ONLY**

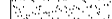
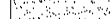

**REFER LANDSCAPE NOTES &
DETAILS SHEET FOR LANDSCAPE
NOTES AND DETAILS**



PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	
CANOPY TREES						
AROP	2	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2.5" CAL.	B&B	
ARS	4	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2.5" CAL.	B&B	EXISTING TREES TO BE TRANSPLANTED
EVERGREEN TREES						
PF	8	PINUS FLEXILIS 'VANDERWOLF'S PYRAMID'	VANDERWOLF'S PYRAMID LIMBER PINE	6-8"	B&B	
PIAB	6	PICEA ABIES	NORWAY SPRUCE	6-8"	B&B	
PPG	8	PICEA PUNGENS 'GLAUC'	COLORADO BLUE SPRUCE	6-8"	B&B	
ORNAMENTAL TREES						
MF	4	MALUS FLORIBUNDA	FLOWERING CRABAPPLE	8-10"	B&B	EXISTING TREES TO BE TRANSPLANTED
SHRUBS						
IGB	8	ILEX GLABRA 'SMNIGAB17'	GEM BOX INKBERRY HOLLY	18-24"	CONTAINER	
IS	25	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	30-36"	B&B	
MP	10	MYRTICA PENSYLVANICA	NORTHERN BAYBERRY	30-36"	CONTAINER	
RAG	6	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	15-18"	CONTAINER	
GRASSES						
PVS	9	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	1 GAL.	CONTAINER	
GROUND COVER						
JCT	46	JUNIPERUS CHINENSIS 'SARGENTII'	SARGENT JUNIPER	15-18" SPRD	CONTAINER	
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
PERENNIALS						
HSD	75	HEMEROCALLIS 'X STELLA DE ORO'	STELLA DE ORO DAYLILY	1 GAL.	CONTAINER	15" o.c.

SEED MIX KEY

	PROPOSED HYDROSEED
	PROPOSED CONSERVATION/ WILDLIFE SEED MIX
	PROPOSED BASIN SEED MIX

APPROVAL BLOCK

TOWN PLANNING BOARD APPROVAL
APPROVED BY THE PLANNING BOARD OF THE TOWN OF SUTTON, MA

SIGNATURE	DATE
SIGNATURE	DATE
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SIGNATURE	DATE

**THIS PLAN TO BE UTILIZED FOR
LANDSCAPE PURPOSES ONLY**

**REFER LANDSCAPE NOTES &
DETAILS SHEET FOR LANDSCAPE
NOTES AND DETAILS**



REVISIONS

[illegible]

**Know what's below.
Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.**

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REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION
DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:	MAA230138.00
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PROJECT:

**PROPOSED SITE
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FOR
DRAKE
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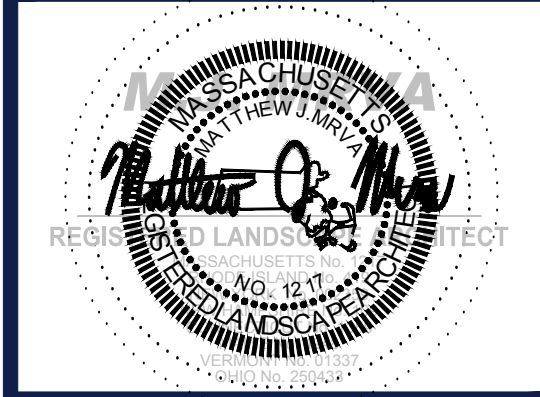
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BOHLER//

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900

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SHEET TITLE:

LANDSCAPE PLAN

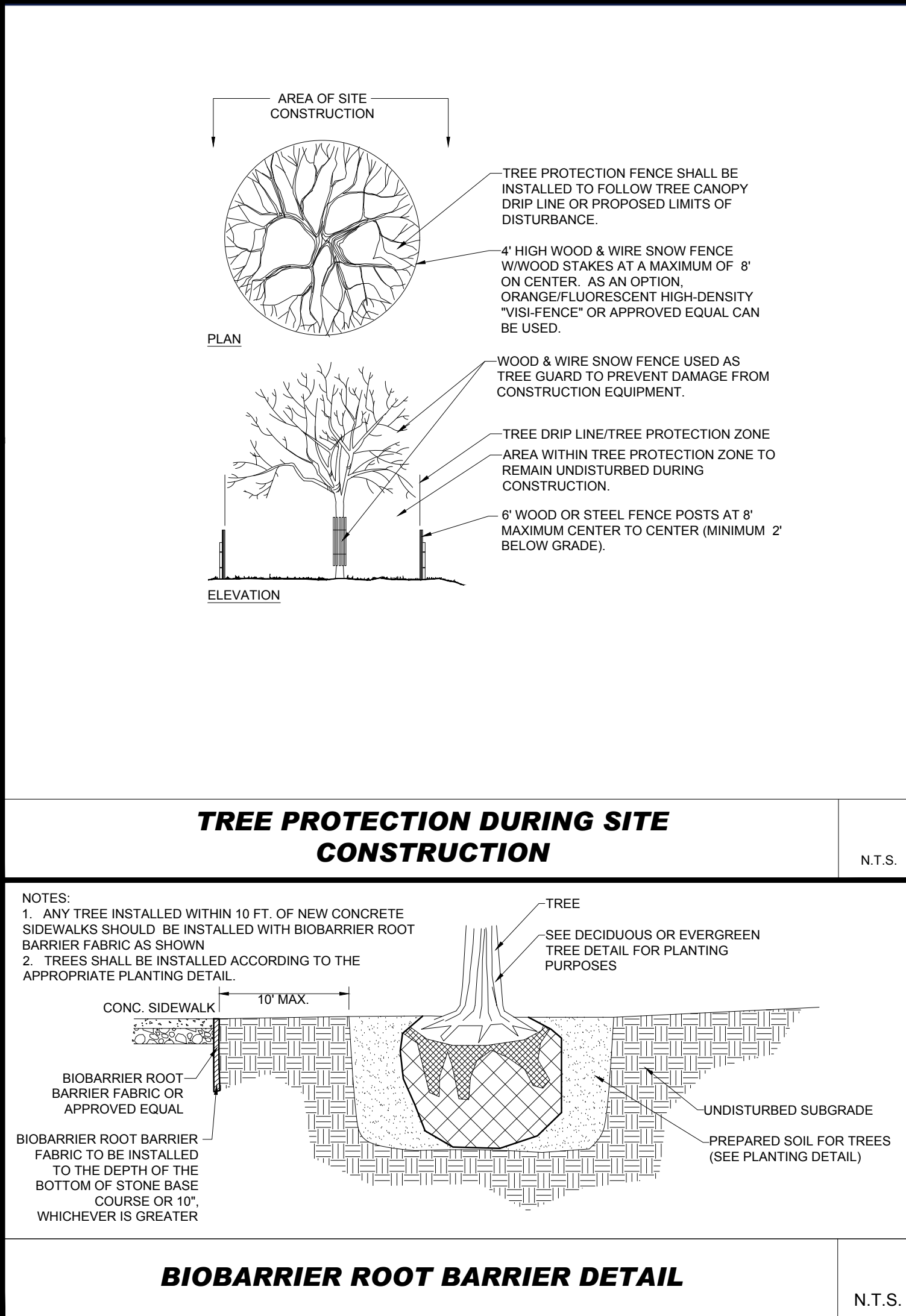
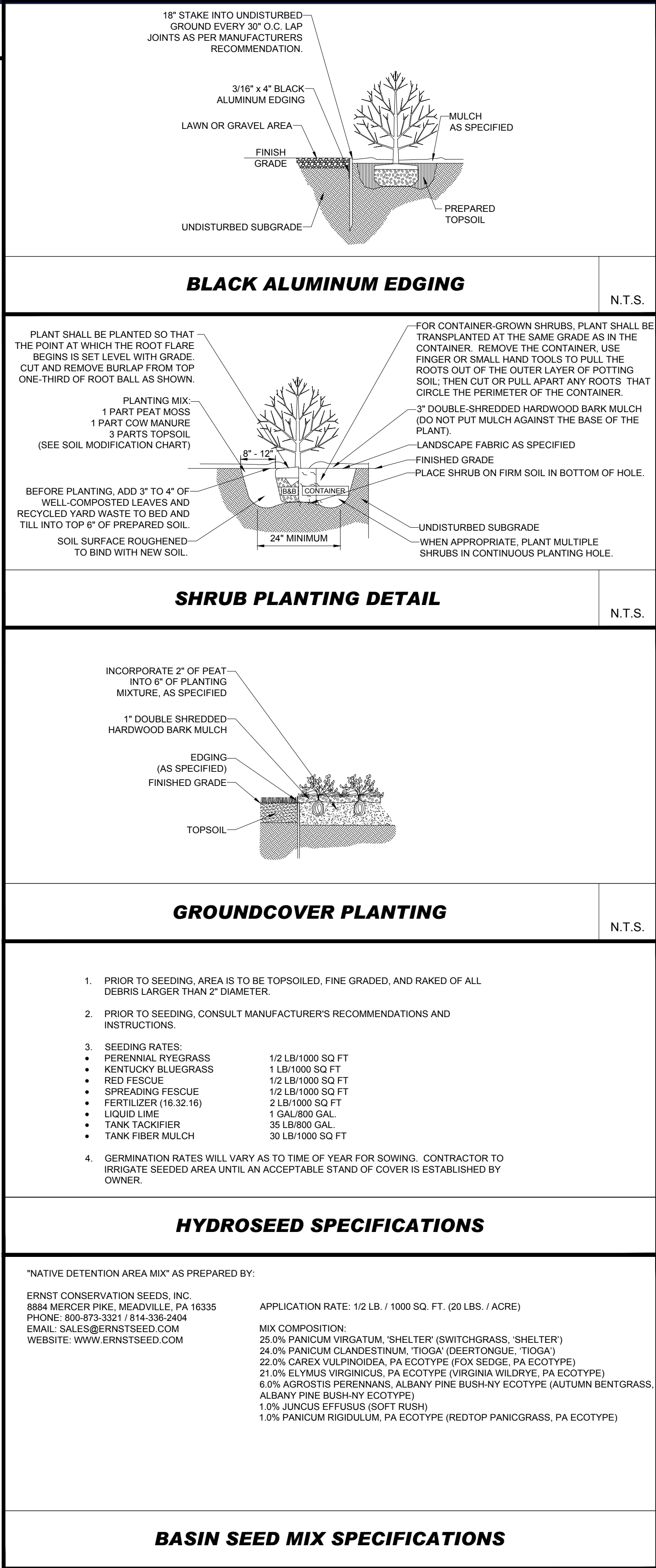
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C-701

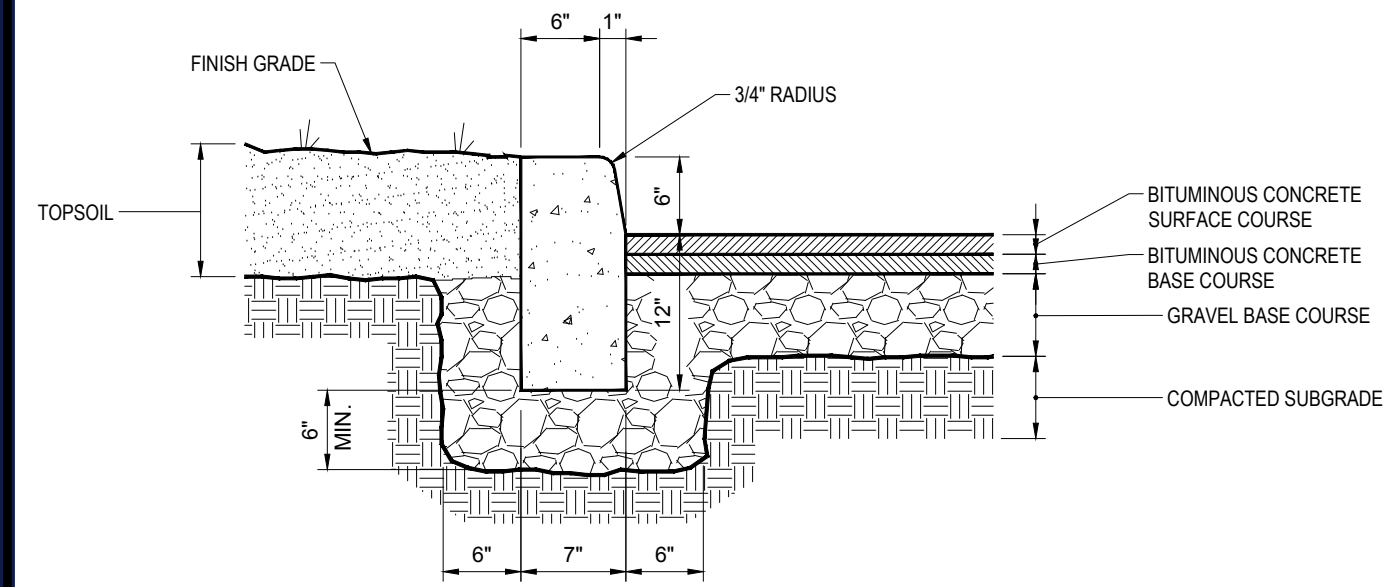
REVISION 3 - 11/15/2023

LANDSCAPE SPECIFICATIONS

1.	SCOPE OF WORK:		9.3.	ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.
	1.1.	THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.	9.4.	ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.
	2.	MATERIALS	9.5.	POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
2.1.	GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.	9.6.	PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:	
2.2.	TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.	9.6.1.	PLANTS: MARCH 15 TO DECEMBER 15	
2.3.	LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN	9.6.2.	LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1	
2.3.1.	LAWN SEED MIXTURE SHALL BE FRESH, CLEAN AND NEW CROP SEED.	9.6.3.	PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS.	
2.3.2.	SOD SHALL BE STRONGLY ROOTED, VEEN AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE MULCHED TO HOLD SOD IN PLACE.	9.7.	FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DETH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON:	
2.4.	MULCH - ALL PLANTING BEDS SHALL BE PEGGED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES/DETAILS.		ACER RUBRUM PLATANUS X ACERIFOLIA	
2.5.	FERTILIZER		BETULA VARIETIES POPULUS VARIETIES	
2.5.1.	FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.		CARPINUS VARIETIES PRUNUS VARIETIES	
2.5.2.	FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.		CRATAEGUS VARIETIES PYRUS VARIETIES	
2.6.	PLANT MATERIAL		KOELREUTERIA QUERCUS VARIETIES	
2.6.1.	ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN)		LIQUIDAMBAR STYRACIFLUA TILIA TOMENTOSA	
2.6.2.	IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.		LIRIODENDRON TULIPIFERA ZELKOVA VARIETIES	
2.6.3.	PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.	9.8.	PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY.	
2.6.4.	TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1/2", WHICH HAVE NOT BEEN COMPLETELY CALLEDUS, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.	9.8.1.	1 PART PEAT MOSS	
2.6.5.	ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.	9.8.2.	1 PART COMPOSTED COW MANURE BY VOLUME	
2.6.6.	CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.	9.8.3.	3 PARTS TOPSOIL BY VOLUME	
2.6.7.	SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.	9.8.4.	21 GRAMS AGRIFORM PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:	
2.6.8.	TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.	9.8.4.1.	2 TABLETS PER 1 GALLON PLANT	
3.	GENERAL WORK PROCEDURES	9.8.4.2.	3 TABLETS PER 5 GALLON PLANT	
3.1.	CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.	9.8.4.3.	4 TABLETS PER 15 GALLON PLANT	
3.2.	WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.	9.8.4.4.	LARGER PLANTS: 2 TABLETS PER 1/2" CALIPER OF TRUNK	
4.	SITE PREPARATIONS	9.9.	FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.	
4.1.	BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.	9.10.	ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.	
4.2.	ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.	9.11.	ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.	
4.3.	CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.	9.12.	GROUND COVER AREAS SHALL RECEIVE A 1/2" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.	
5.	TREE PROTECTION	9.13.	NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.	
5.1.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.	9.14.	ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.	
5.2.	A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY VISI-FENCE, OR APPROVED EQUIV. MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM AC 8 FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.	9.15.	ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.	
5.3.	WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.	10.	TRANSPLANTING (WHEN REQUIRED)	
5.4.	AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.	10.1.	ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT.	
6.	SOIL MODIFICATIONS	10.2.	IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQU	

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P:\2023\MAA230138.00\CDRAWINGS\PLAN SET\BTR\CIVIL SITE PLANS\MAA230138.00-SFPD-3A.dwg-----LAYOUT: C-901 DETL

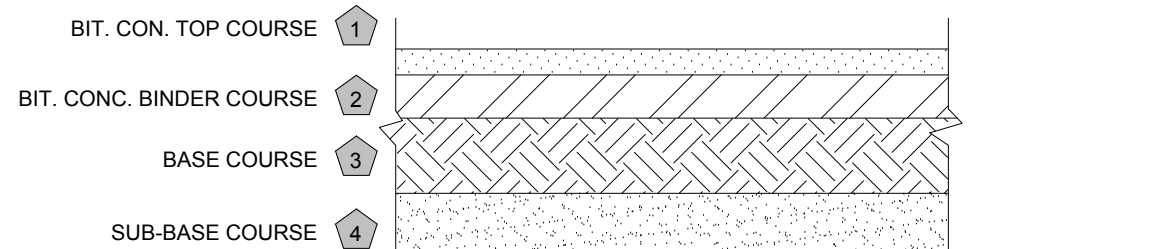


- NOTE:
1. CURB SHALL CONSIST OF 4,000 PSI AIR ENTRAINED CONCRETE. EXPOSED EDGES TO HAVE RUBBED FINISH AND SURFACE SHALL BE TREATED WITH A CONCRETE PENETRANT/SEALER.
 2. THE ENDS OF CURB SECTIONS SHALL BE CHAMFERED 1/4 INCH.
 3. THE CORNERS OF CURB SECTIONS SHALL MATCH THE ADJACENT CURB IN SIZE, COLOR AND FINISH.
 4. CURBS, CURB CORNERS OR EDGING SHALL BE FITTED TOGETHER AS CLOSELY AS POSSIBLE.
 5. EXPANSION JOINTS SHALL BE INSTALLED AT A MAXIMUM OF TWENTY FEET (20') ON CENTER USING PREFORMED EXPANSION JOINT FILLER HAVING A THICKNESS OF 1/2 INCH.

PRECAST CONCRETE CURB

NOT TO SCALE (S300.01xx_07/2022)

N.T.S.

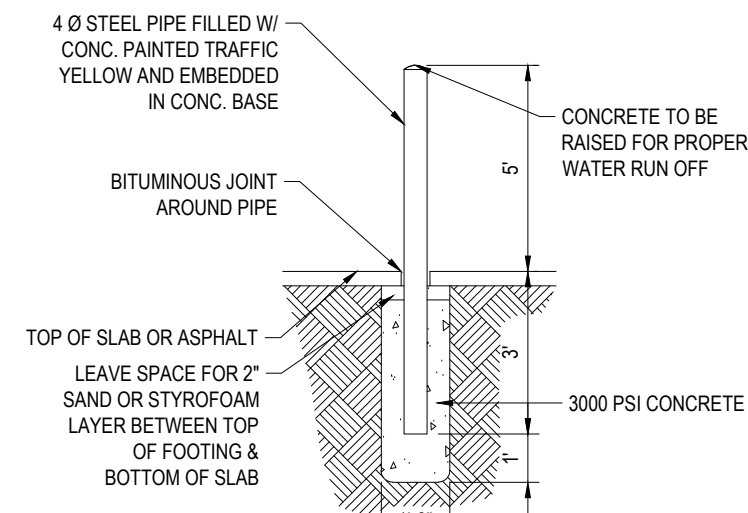


- NOTE:
1. PAVEMENT BASE AND SUBBASE COURSES TO CONFORM TO STATE DEPARTMENT OF TRANSPORTATION
 2. GC TO REFER TO GEOTECHNICAL REPORT FOR PAVEMENT SPECIFICATIONS.

HEAVY DUTY PAVEMENT SECTION

NOT TO SCALE (S300.02xx_07/2022)

N.T.S.

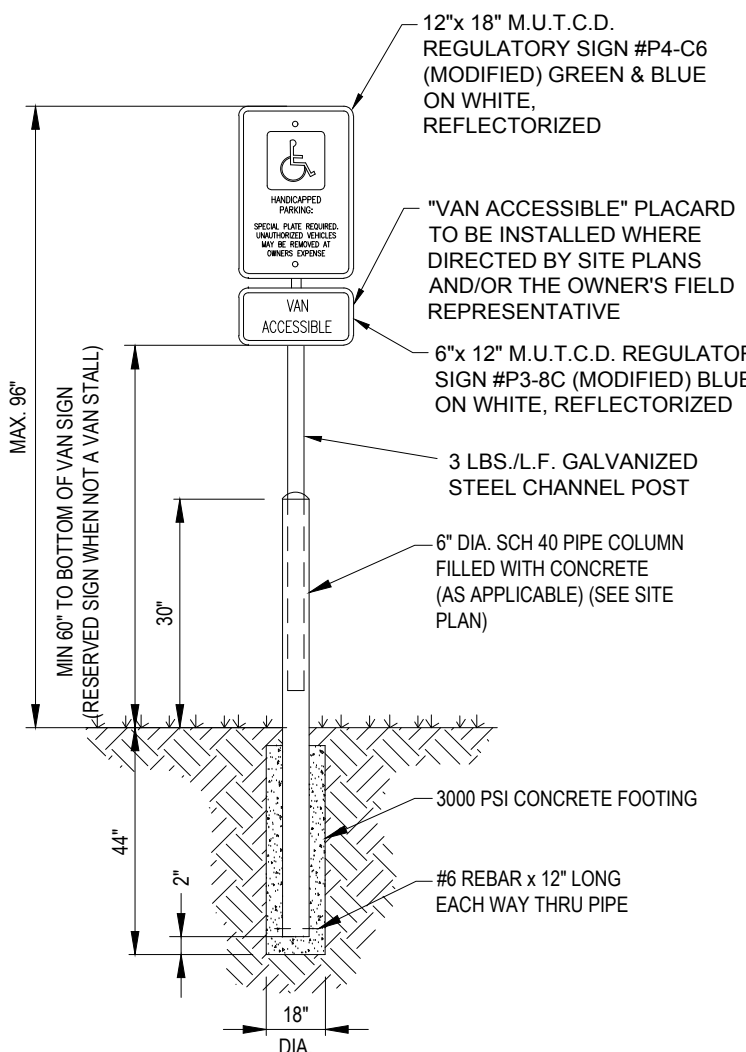


- NOTE:
1. BOLLARDS REQ'D AT BLDG. CORNERS, FIRE HYDRANTS, WATER METER, GAS METER, SPRINKLER RISER, SHOWN TRANSFORMER & ALL UTILITIES AT LOCATIONS SHOWN ON THESE DRAWINGS INTERIOR & EXTERIOR.

BOLLARD

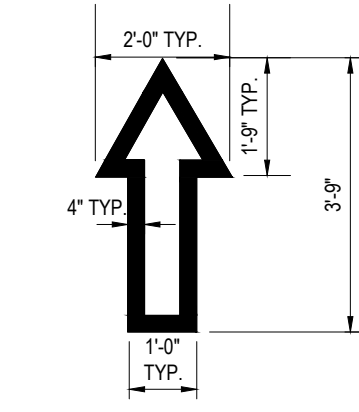
NOT TO SCALE (S300.06xx_07/2022)

N.T.S.



ACCESSIBLE PARKING SIGN ON CONCRETE BOLLARD

N.T.S.

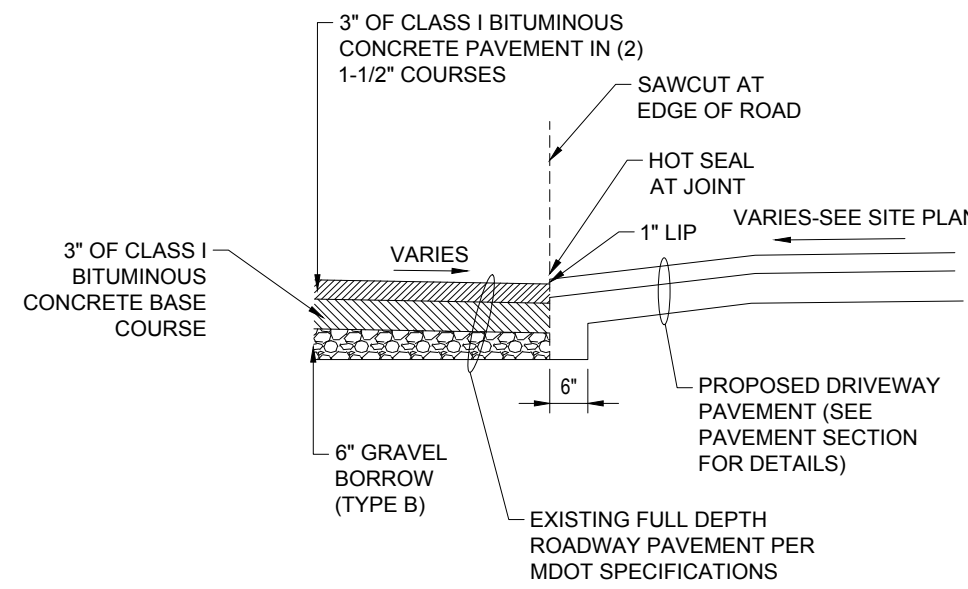


- NOTE: ALL TRAFFIC FLOW ARROWS TO BE REFLECTIVE WHITE PAINT PER SPECS.

TRAFFIC FLOW ARROW

NOT TO SCALE (S300.08xx_07/2022)

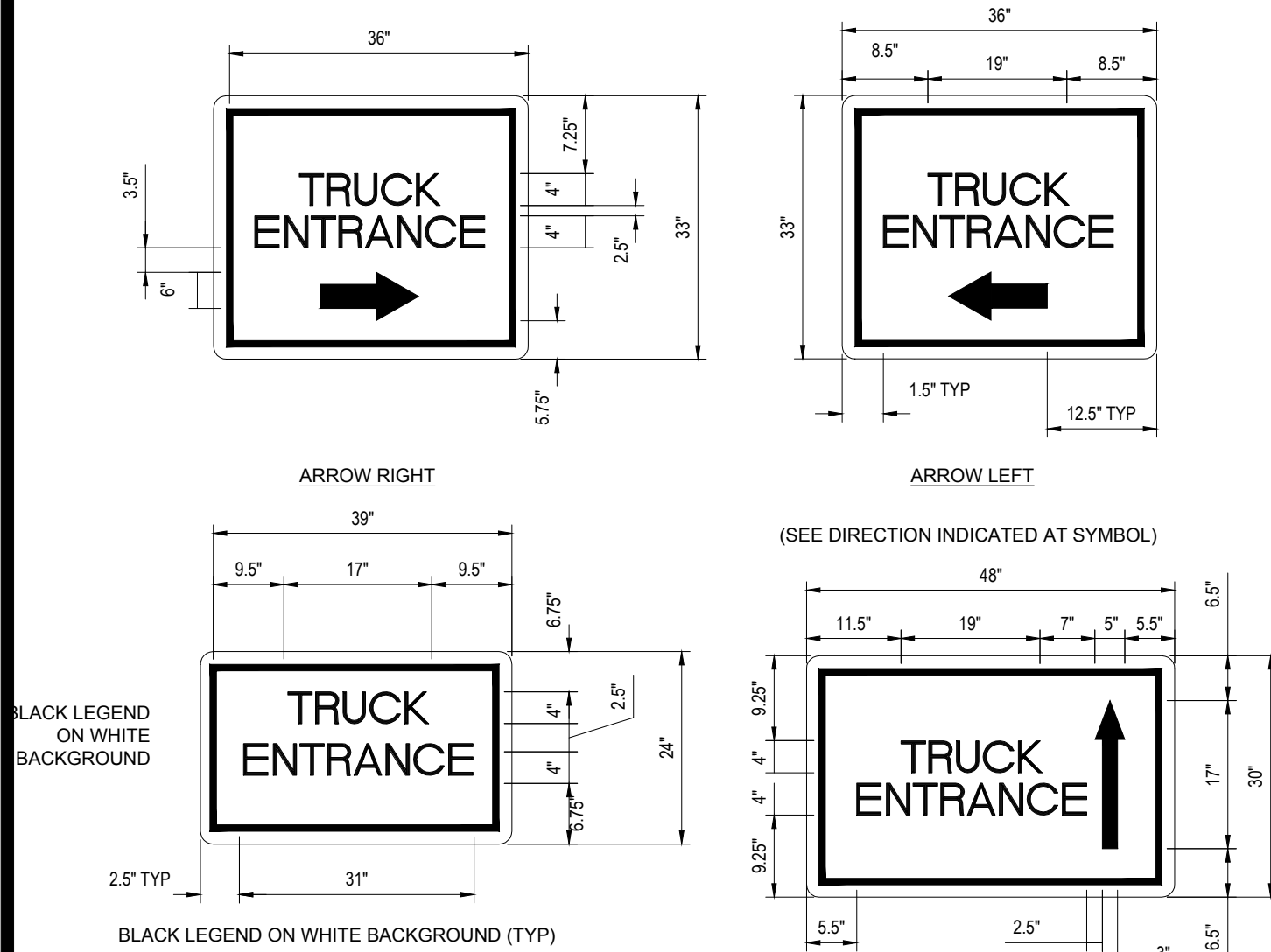
N.T.S.



DRIVEWAY CONSTRUCTION

NOT TO SCALE (S300.02xx_07/2022)

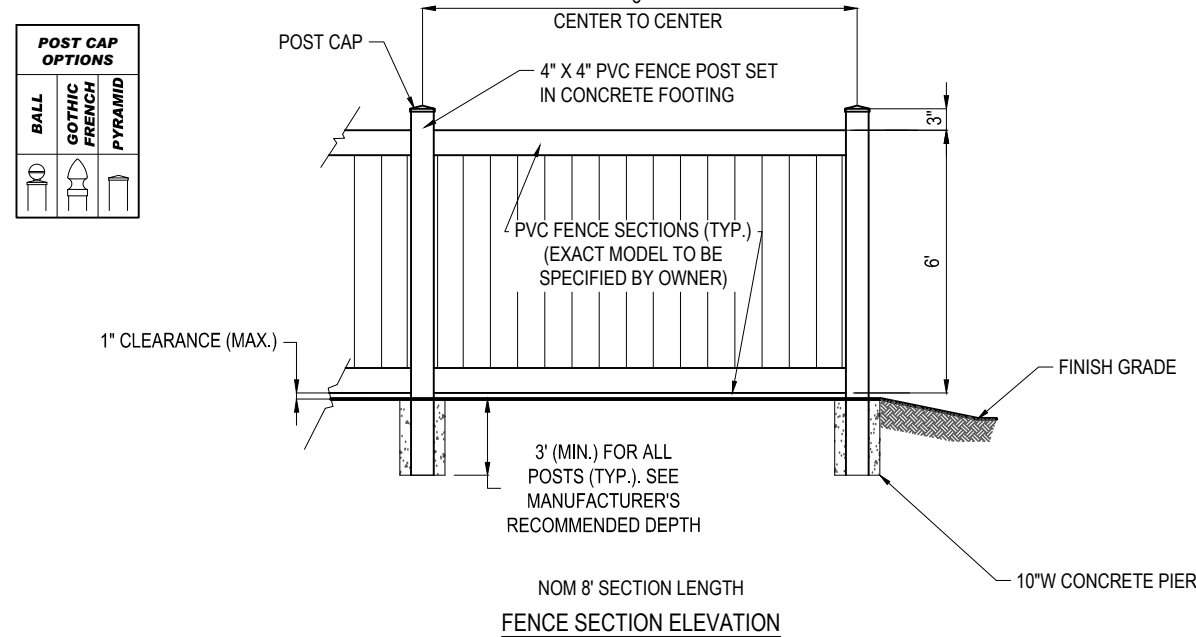
N.T.S.



'TRUCK ENTRANCE' SIGN

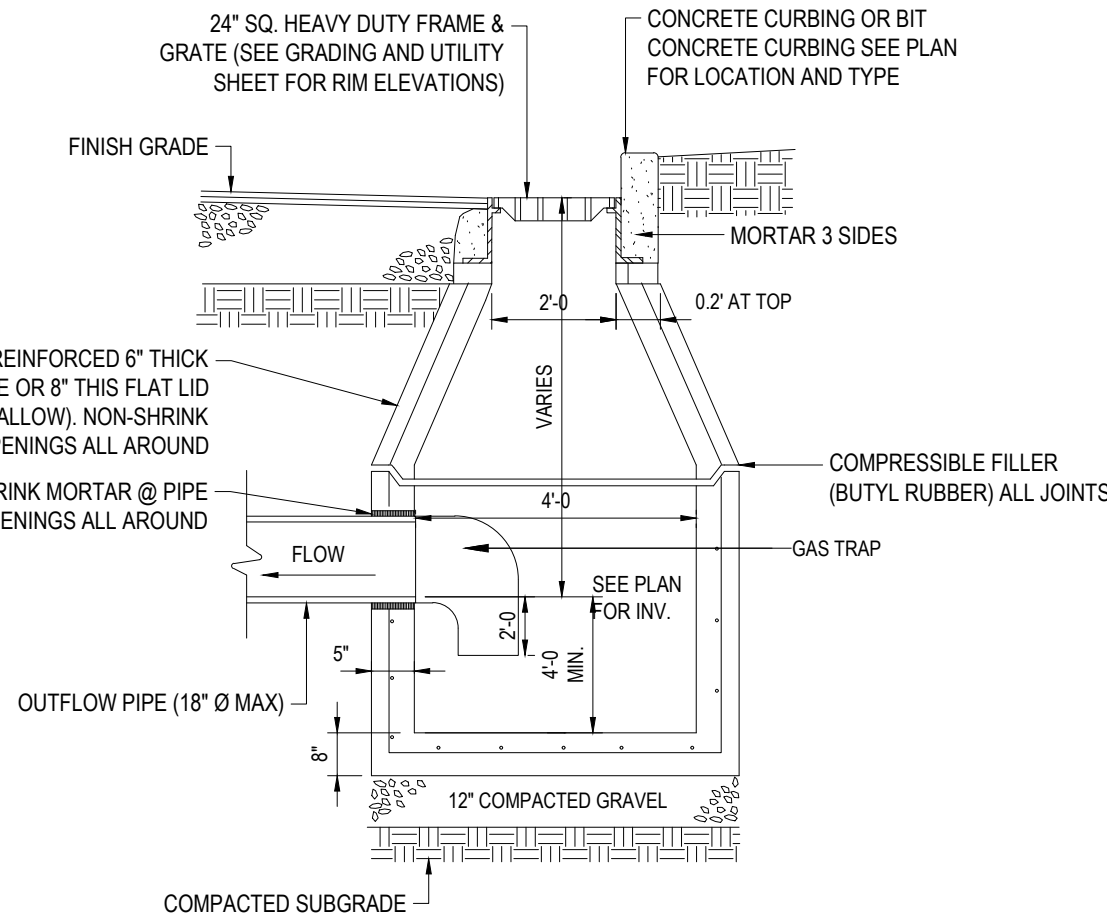
NOT TO SCALE (S300.07xx_07/2022)

N.T.S.



TYPICAL 6" WHITE VINYL FENCE DETAIL

N.T.S.

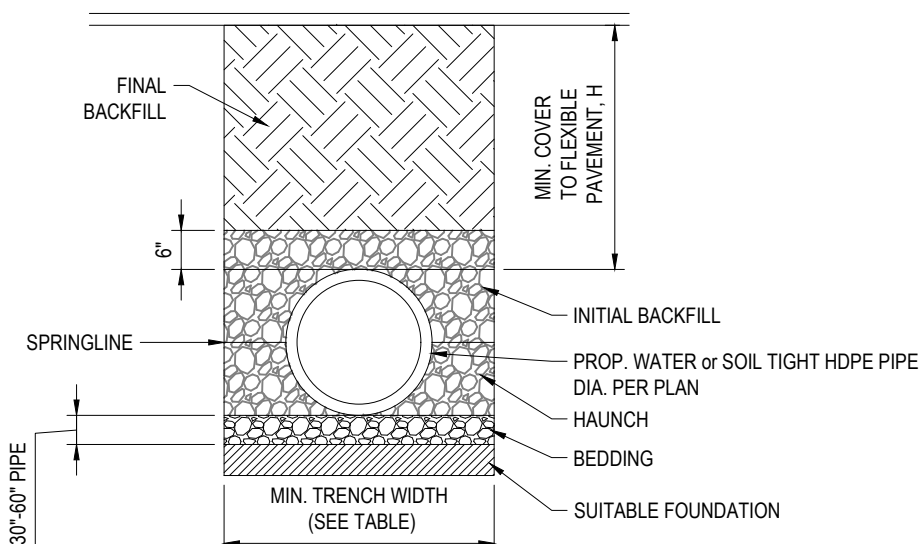


- NOTES:
1. ALL STRUCTURES SHALL BE SUITABLE FOR H-20 LOADING AND SHALL MEET THE REQUIREMENTS OF ASTM C478.
 2. USE PRECAST FLAT SLAB TOP FOR SHALLOW INVERT APPLICATIONS

PRECAST CONCRETE DEEP SUMP CATCH BASIN

NOT TO SCALE (S500.01xx_07/2022)

N.T.S.



- NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2221, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC 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. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, 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 TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
 5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE 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 D2221, LATEST EDITION.
 6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

PIPE DIA.	MIN. TRENCH WIDTH
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
48"	80"
60"	96"

HDPE STORM DRAINAGE TRENCH

NOT TO SCALE (S500.01xx_07/2022)

N.T.S.

BOHLER
SITE CIVIL AND CONSULTING ENGINEERING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	DRAWN BY
1	10/17/2023	RESPONSE TO COMMENTS	AEH
2	10/31/2023	RESPONSE TO COMMENTS	AEH
3	11/15/2023	RESPONSE TO COMMENTS	AEH



ISSUED FOR PERMIT

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: MAA230138.00
DRAWN BY: AEH/CPB
DATE: 07/26/2023
CAD I.D.: MAA230138.00-SFPD-3A

PROJECT:

PROPOSED SITE PLAN DOCUMENTS

FOR
DRAKE PETROLEUM COMPANY, LLC

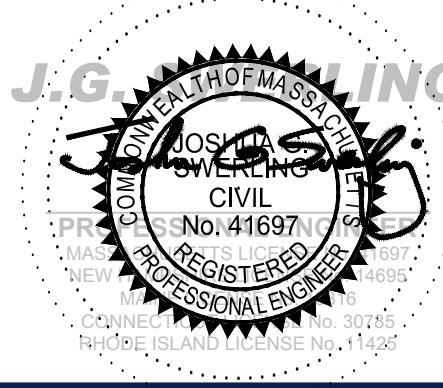
PROPOSED FUELING STATION IMPROVEMENTS

MAP 5 BLOCK: 18
27 WORCESTER PROVIDENCE TURNPIKE,
TOWN OF SUTTON,
WORCESTER COUNTY,
MASSACHUSETTS



352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900

www.BohlerEngineering.com



SHEET TITLE:

DETAIL SHEET

SHEET NUMBER:

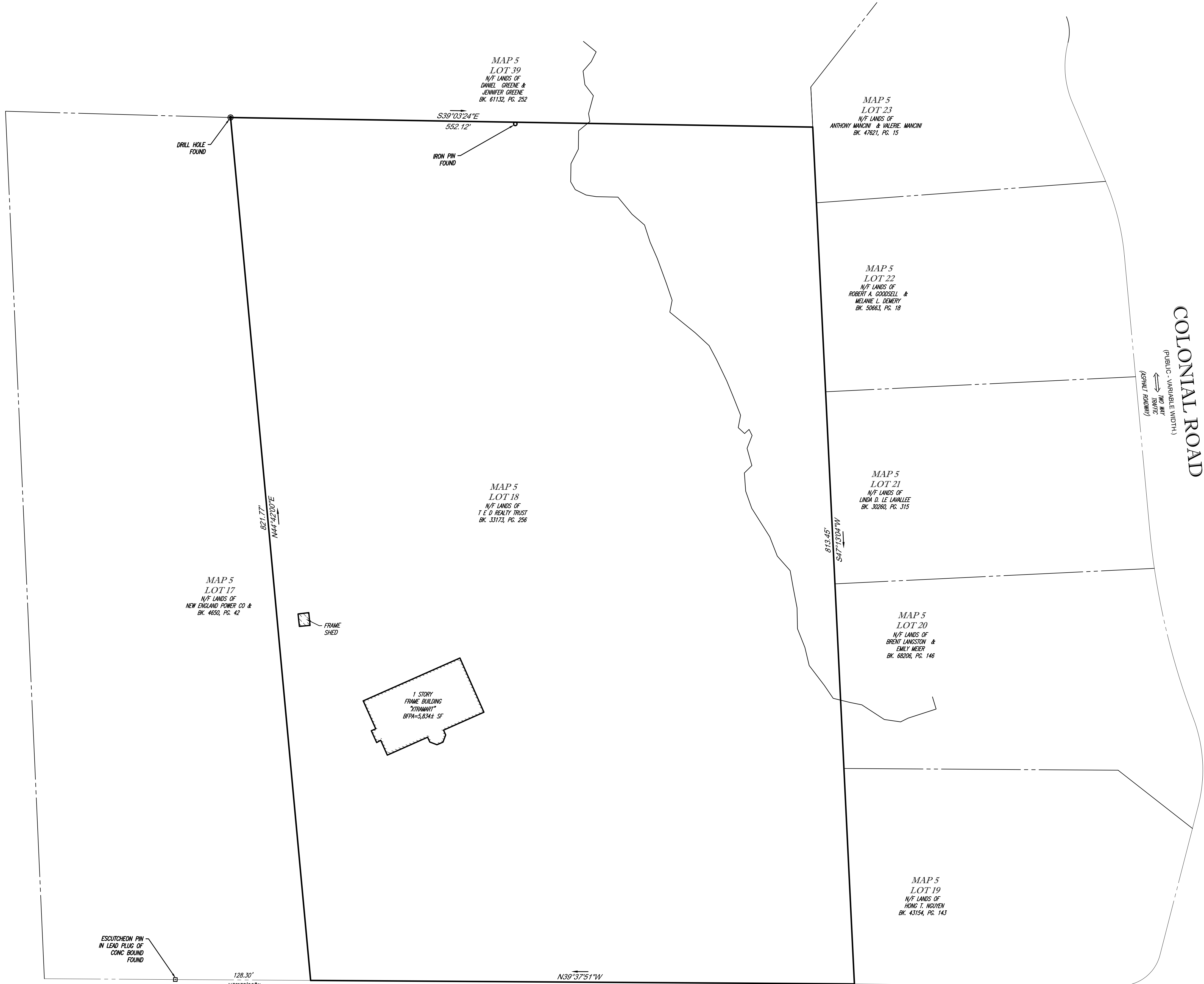
C-901

REVISION 3 - 11/15/2023

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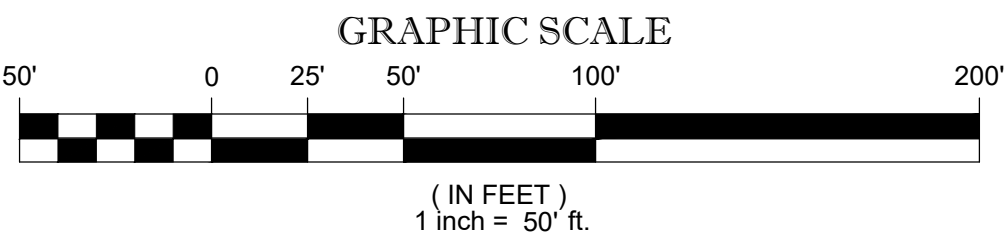


THE COMMONWEALTH OF MASSACHUSETTS REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.



WORCESTER PROVIDENCE TURNPIKE

(A.K.A. ROUTE 146)
(PUBLIC - VARIABLE WIDTH.)
TWO WAY TRAFFIC
(ASPHALT ROADWAY)



THIS SURVEY HAS BEEN PERFORMED IN THE FIELD UNDER MY SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, BELIEF, AND INFORMATION, THIS SURVEY HAS BEEN PERFORMED IN ACCORDANCE WITH CURRENTLY ACCEPTED ACCURACY STANDARDS.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL.



GERRY L. HOLDRIGHT, PLS
MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211

5-25-2023
DATE

FIELD DATE
5-9-2023
FIELD BOOK NO.
23-06
FIELD BOOK PG.
35 & 39
FIELD CREW
J.D.O.
DRAWN:
J.P.M.
REVIEWED:
R.J.K.

BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY
GLOBAL MONTELLO GROUP CORP
27 WORCESTER PROVIDENCE TURNPIKE
LOT 18, MAP 5
TOWN OF SUTTON, WORCESTER COUNTY
COMMONWEALTH OF MASSACHUSETTS

CONTROL POINT ASSOCIATES, INC.
352 TURNPIKE ROAD
SOUTH BOKROUGH, MA 01772
508.948.3000 - 508.948.3003 FAX
ALBANY, NY 518-217-5010
CHALFONT, PA 215-712-9800
HAUPPAUGE, NY 631-880-2645
MANHATTAN, NY 646-780-0411
MT LAUREL, NJ 609-857-2999
WARREN, NJ 908-668-0999

APPROVED:
G.L.H.
DATE
5-25-2023
SCALE
1"=50'
FILE NO.
03-230207-00
DWS. NO.
1 OF 3

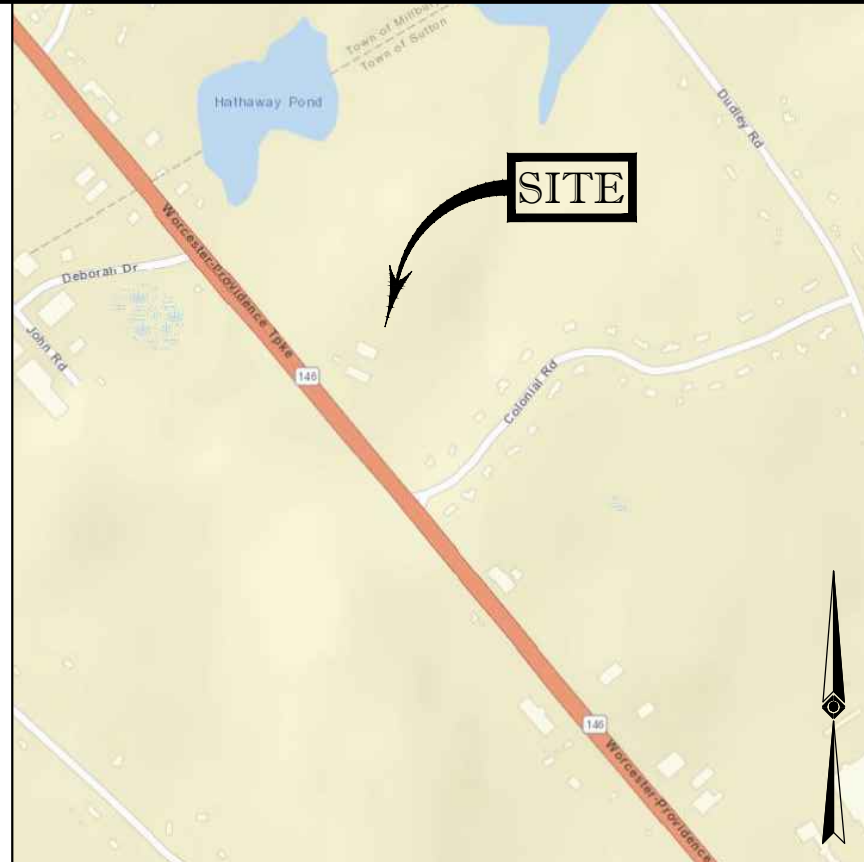
NOTES:

- PROPERTY KNOWN AS LOT 18 AS SHOWN ON THE TOWN OF SUTTON, WORCESTER COUNTY, COMMONWEALTH OF MASSACHUSETTS, MAP NO. 5.
- AREA = 434,914 SQUARE FEET OR 9.984 ACRES.
- LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
- THE SOURCE OF UNDERGROUND UTILITIES ARE SHOWN UTILIZING A QUALITY LEVEL SYSTEM:
QUALITY LEVEL D - UTILITIES SHOWN BASED UPON REFERENCE MAPPING OR ORAL HISTORY. NOT FIELD VERIFIED.
QUALITY LEVEL C - LOCATION OF UTILITY SURFACE FEATURES SUPPLEMENTS REFERENCE MAPPING. INCLUDES MARKOUT BY OTHERS.
QUALITY LEVEL B - UTILITY LOCATION DATA IS COLLECTED THROUGH GEOPHYSICAL SENSING TECHNOLOGY TO SUPPLEMENT SURFACE FEATURES AND OR REFERENCE MAPPING. INCLUDES MARKOUT BY CONTROL POINT ASSOCIATES, INC.
QUALITY LEVEL A - HORIZONTAL AND VERTICAL LOCATION OF UTILITIES ARE OBTAINED USING VACUUM EQUIPMENT EXCAVATION OR OTHER METHODS TO EXPOSE THE UTILITY. LOCATION SHOWN AT SINGLE POINT WHERE EXCAVATION OCCURRED UNLESS UTILITY WAS LOCATED PRIOR TO FILLING.
ALL FOUR TYPES MAY NOT BE PRESENT ON THIS SURVEY.
- THIS PLAN IS BASED ON INFORMATION PROVIDED BY CLIENT. A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN. IT IS STRONGLY RECOMMENDED THAT A COMPLETE TITLE SEARCH BE PROVIDED TO THE SURVEYOR FOR REVIEW PRIOR TO THE PLACEMENT OF OR ALTERATION TO IMPROVEMENTS ON THE PROPERTY.
- BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE "X-UNSHADED", (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2.
- THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
- ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).
TEMPORARY BENCH MARKS SET:
TBM-A: MAG NAIL SET IN ASPHALT PAVEMENT, ELEVATION= 540.70'
TBM-B: MAG NAIL SET IN ASPHALT PAVEMENT, ELEVATION= 547.05'
PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.
- THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.
- PER CONTRACTUAL AGREEMENT THE LOCATIONS OF SITE FEATURES AND TOPOGRAPHIC INFORMATION IS SHOWN FOR A PORTION OF THE SUBJECT PROPERTY ONLY.
- THE DELINEATION LINE WAS PLACED IN THE FIELD BY GODDARD CONSULTING, LLC ON APRIL 28, 2023, AND FIELD LOCATED BY CONTROL POINT ASSOCIATES, INC. ON MAY 9, 2023.

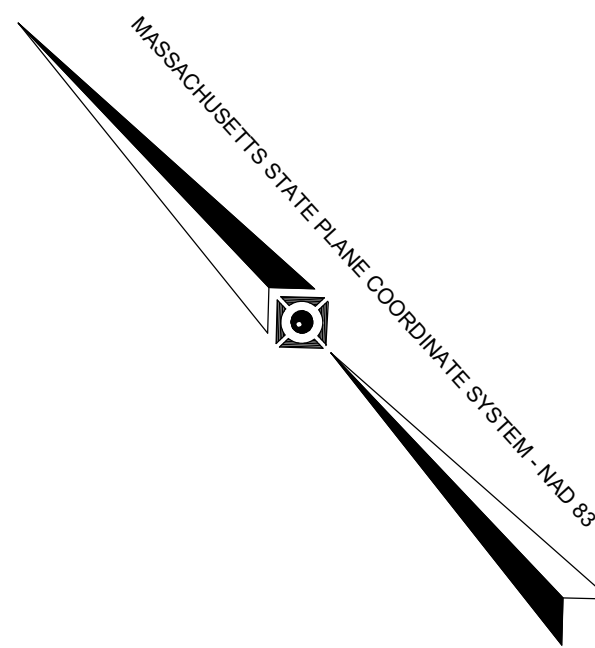
REFERENCES:

- THE TAX ASSESSOR'S MAP OF TOWN OF SUTTON, WORCESTER COUNTY, MAP 5.
- MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, WORCESTER COUNTY, MASSACHUSETTS (ALL JURISDICTIONS), PANEL 817 OF 1075," MAP NUMBER 28027C0817E, MAP EFFECTIVE DATE: JULY 4, 2011.
- MAP ENTITLED "PLAN OF LAND IN SUTTON, MASS", PREPARED BY LAVALLEC BROTHERS, INC., DATED MARCH 27, 1978, RECORDED WITH WORCESTER DISTRICT REGISTRY OF DEEDS AS PLAN BOOK 448, PLAN 71.
- MAP ENTITLED "AS BUILT XTAMART CONVENIENCE STORE, PREPARED FOR DRAKE PETROLEUM INC., ROUTE #146, #27 WORCESTER-PROVIDENCE TURNPIKE, SUTTON, MA," PREPARED BY CME ASSOCIATES, INC., DATED JULY 16, 2007. SHEET C-1.
- MAP ENTITLED "PLAN SHOWING LAND IN SUTTON, MASSACHUSETTS, TO BE CONVEYED TO NEW ENGLAND POWER COMPANY BY IDA HAFSTROM", PREPARED BY NEW ENGLAND POWER COMPANY, DATED DECEMBER 9, 1965.
- MAP ENTITLED "SECTION 'D', JONATHAN DUDLEY HILL, SUTTON, MASSACHUSETTS", PREPARED BY ROBINSON & FOX, INC., DATED MAY 1967, RECORDED WITH WORCESTER DISTRICT REGISTRY OF DEEDS AS PLAN BOOK 310, PLAN 11, SHEET 1 OF 1.
- MAP ENTITLED "DIVISION OF LAND OF 21 COLONIAL ROAD IN SUTTON, MA", PREPARED BY ASE-ANDREWS SURVEY & ENGINEERING, INC., DATED NOVEMBER 15, 2017, LAST REVISED MARCH 7, 2018, RECORDED WITH WORCESTER DISTRICT OF DEEDS ASS PLAN BOOK 935, PLAN 96.
- MAP ENTITLED "AS BUILT" LOCATION PLAN, PREPARED FOR DRAKE PETROLEUM COMPANY, INC., ROUTE #146 (WORCESTER-PROVIDENCE TURNPIKE), SUTTON, MA," PREPARED BY CME ASSOCIATES, INC., DATED JULY 10, 2007. LAST REVISED JULY 19, 2007. SHEET SEP-1.

SEE SHEET 2 & 3 OF 3 FOR SITE FEATURES, TOPOGRAPHY & UTILITIES



LOCUS MAP
NOT TO SCALE



MATCHLINE SHEET 3

MAP 5
LOT 21
N/F LANDS OF
LINDA D. LE LAMALLE
BK. 30280, PG. 315

MAP 5
LOT 20
N/F LANDS OF
BRENT LANSTON &
EMILY MEER
BK. 65206, PG. 146

MAP 5
LOT 17
N/F LANDS OF
NEW ENGLAND POWER CO. &
BK. 4650, PG. 42

MAP 5
LOT 19
N/F LANDS OF
HONG T. NGUYEN
BK. 43154, PG. 143

LEGEND

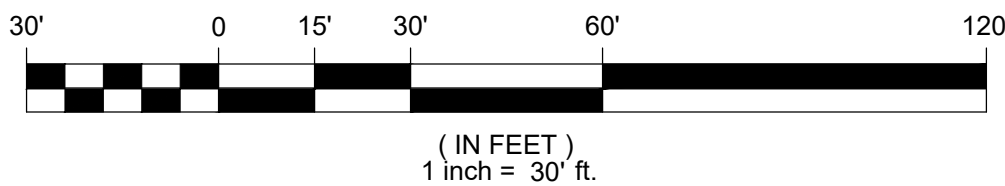
- 124 --- EXISTING CONTOUR
- 125 --- EXISTING SPOT ELEVATION
- + TC 123.45 --- EXIST. TOP OF CURB ELEVATION
- + BC 122.95 --- EXIST. BOTTOM OF CURB ELEVATION
- + FF 123.45 --- EXIST. FINISHED FLOOR ELEVATION
- + DS 123.45 --- EXIST. DOOR SILL ELEVATION
- OH --- OVERHEAD WIRES
- E --- APPROX. LOC. UNDERGROUND ELECTRIC LINE
- W --- APPROX. LOC. UNDERGROUND WATER LINE
- FM-G1 --- APPROX. LOC. UNDERGROUND FORCE MAIN LINE
- Q1 --- SUBSURFACE UTILITY QUALITY LEVEL D
- UP / --- UTILITY POLE
- LAMP --- LAMP
- SIGN
- --- BOLLARD
- MB --- MAIL BOX
- AS --- AIR STATION
- DS --- DRAINAGE/STORM MANHOLE
- SS --- SANITARY/SEWER MANHOLE
- UM --- UNKNOWN MANHOLE
- CB --- CATCH BASIN OR INLET
- PC --- PARKING SPACE COUNT
- DC --- DEPRESSED CURB
- RO --- ROOF DRAIN
- CP --- CONDUIT PIPE
- CLF --- CHAIN LINK FENCE
- DC --- DEPRESSED CURB
- EC --- EDGE OF CONCRETE
- EP --- EDGE OF PAVEMENT
- (TYP) --- TYPICAL
- UTO --- UNABLE TO OPEN
- LSA --- LANDSCAPED AREA
- DF --- DELINEATION FLAG
- PA --- PAINTED ARROWS
- PH --- PAINTED HANDICAPPED
- CLF --- CHAIN LINK FENCE
- 1.0' --- OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
- SWL --- SOLID WHITE LINE
- HT --- HEIGHT
- BFPA --- BUILDING FOOTPRINT AREA
- BLDG --- BUILDING
- GRT --- GRATE ELEVATION
- U --- UNKNOWN TERMINUS
- LSA --- LANDSCAPED AREA
- MC --- METAL COVER
- SWL --- SOLID WHITE LINE
- NVP --- NO VISIBLE PIPE
- INV --- INVERT ELEVATION
- NVP --- NO VISIBLE PIPE
- FDD --- FILLED W/DEBRIS
- CI --- CAST IRON PIPE
- CPP --- CORRUGATED PLASTIC PIPE
- INV --- INVERT ELEVATION
- GRT --- GRATE ELEVATION
- FDS --- FULL OF SEDIMENT

SEE SHEET 1 OF 3 FOR BOUNDARY

WORCESTER PROVIDENCE TURNPIKE

(A.K.A. ROUTE 146)
(PUBLIC - VARIABLE WIDTH.)
← TWO WAY TRAFFIC (ASPHALT ROADWAY)

GRAPHIC SCALE



THIS SURVEY HAS BEEN PERFORMED IN THE FIELD UNDER MY SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE, BELIEF, AND INFORMATION, THIS SURVEY HAS BEEN PERFORMED IN ACCORDANCE WITH CURRENTLY ACCEPTED ACCURACY STANDARDS.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL



GERRY L. HOLDRIGHT, PLS
MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211

FIELD DATE	5-9-2023
FIELD BOOK NO.	23-06
FIELD BOOK PG.	35 & 39
FIELD CREW	J.D.O.
DRAWN	J.P.M.
REVIEWED	R.J.K.

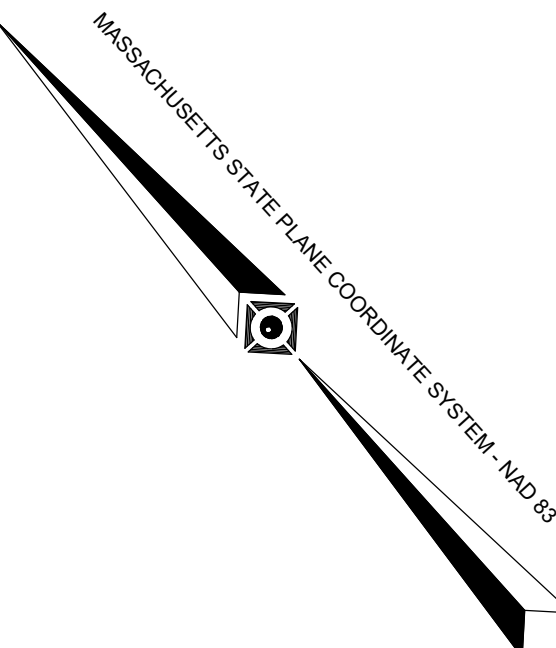
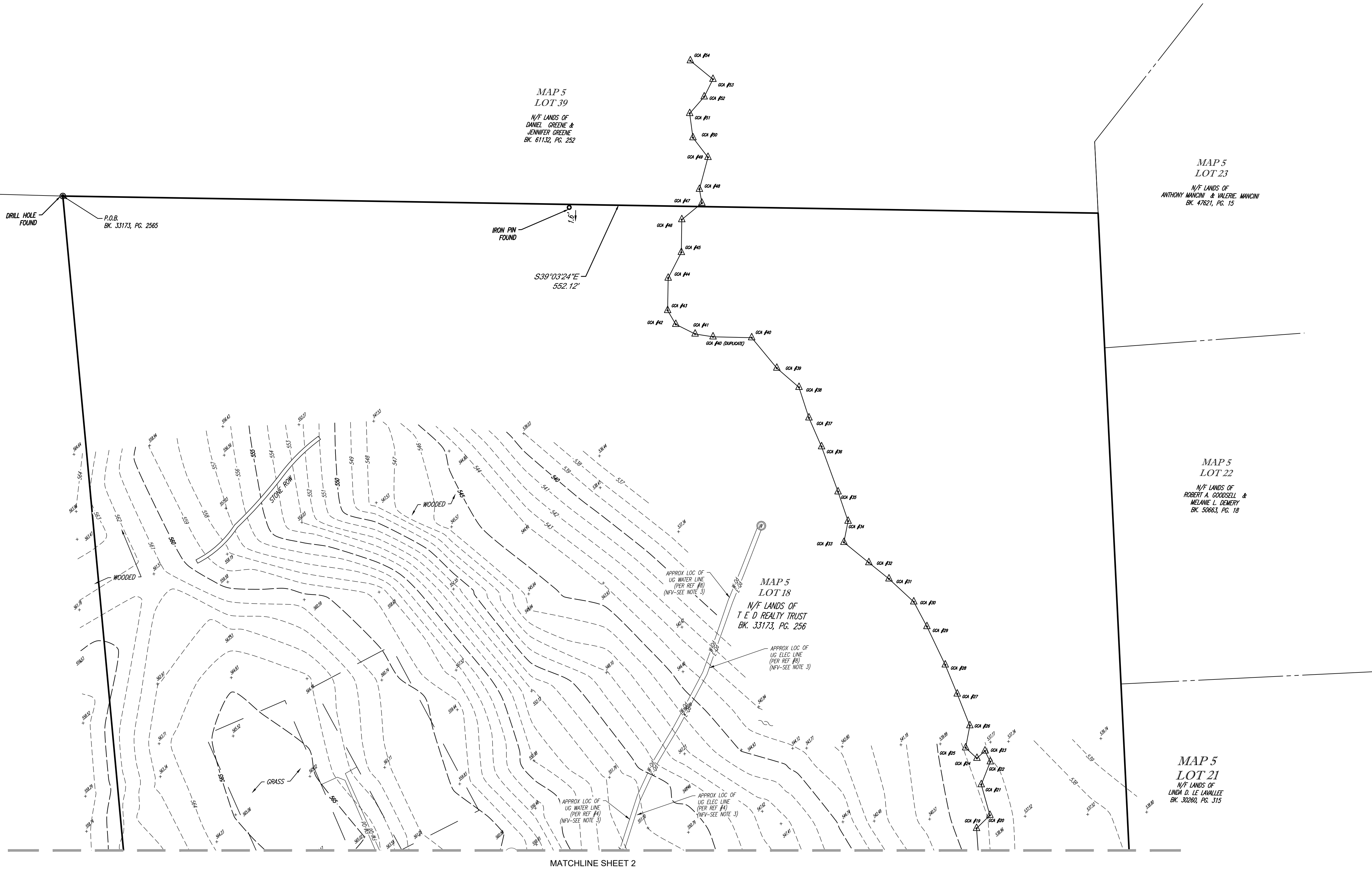
BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY
GLOBAL MONTELLO GROUP CORP
27 WORCESTER PROVIDENCE TURNPIKE
LOT 18, MAP 5
TOWN OF SUTTON, WORCESTER COUNTY
COMMONWEALTH OF MASSACHUSETTS

CONTROL POINT ASSOCIATES, INC.	ALBANY, NY 518-217-5010
	HAUPPAUGE, NY 631-880-2645
352 TURNPIKE ROAD	MANHATTAN, NY 646-780-0411
SOUTH BOKROUGH, MA 01772	MT LAUREL, NJ 609-857-2999
508.948.3000 - 508.948.3003 FAX	WARREN, NJ 908-668-0999
FILE NO.	DWG. NO.
03-230207-00	2 OF 3

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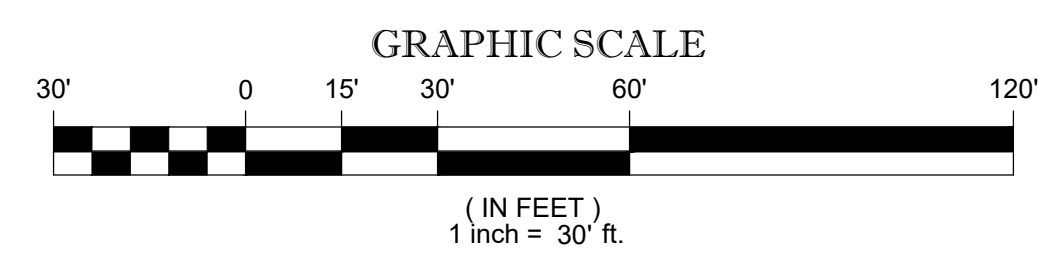


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LEGEND	
	EXISTING CONTOUR
	EXISTING SPOT ELEVATION
	EXIST. TOP OF CURB ELEVATION
	EXIST. BOTTOM OF CURB ELEVATION
	EXIST. FINISHED FLOOR ELEVATION
	EXIST. DOOR SILL ELEVATION
	OVERHEAD WIRES
	APPROX. LOC. UNDERGROUND ELECTRIC LINE
	APPROX. LOC. UNDERGROUND WATER LINE
	APPROX. LOC. UNDERGROUND FORCE MAIN LINE
	SUBSURFACE UTILITY QUALITY LEVEL D
	UTILITY POLE
	LAMP
	SIGN
	BOLLARD
	MAIL BOX
	AIR STATION
	DRAINAGE/STORM MANHOLE
	SANITARY/SEWER MANHOLE
	UNKNOWN MANHOLE
	CATCH BASIN OR INLET
	PARKING SPACE COUNT
	DEPRESSED CURB
	ROOF DRAIN
	CONDUIT PIPE
	CHAIN LINK FENCE
	DEPRESSED CURB
	EDGE OF CONCRETE
	EDGE OF PAVEMENT
	TYPICAL
	UNABLE TO OPEN
	LANDSCAPED AREA
	DELINEATION FLAG
	PAINTED ARROWS
	PAINTED HANDICAPPED
	CHAIN LINK FENCE
	OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
	SOLID WHITE LINE
	HEIGHT
	BUILDING FOOTPRINT AREA
	BUILDING
	GRATE ELEVATION
	UNKNOWN TERMINUS
	LANDSCAPED AREA
	METAL COVER
	SOLID WHITE LINE
	NO VISIBLE PIPE
	INVERT ELEVATION
	NO VISIBLE PIPE
	FILLED DEBRIS
	CAST IRON PIPE
	CORRUGATED PLASTIC PIPE
	INVERT ELEVATION
	GRATE ELEVATION
	FULL OF SEDIMENT

SEE SHEET 1 OF 3 FOR BOUNDARY



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GERRY L. HOLDRIGHT
MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211



FIELD DATE 5-9-2023	BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY				
FIELD BOOK NO. 23-06	BOHLER ENGINEERING MA, LLC				
FIELD BOOK PG. 35 & 39	27 WORCESTER PROVIDENCE TURNPIKE LOT 18, MAP 5 TOWN OF SUTTON, WORCESTER COUNTY COMMONWEALTH OF MASSACHUSETTS				
FIELD CREW J.D.O.					
DRAWN: J.P.M.	ALBANY, NY 518-217-5010 CHALFONT, PA 215-712-9800 HAUPPAUGE, NY 631-880-2645 MANHATTAN, NY 646-780-0411 SOUTH BOKROUGH, MA 01772 508.948.3000 - 508.948.3003 FAX MT LAUREL, NJ 609-857-2999 WARREN, NJ 908-668-0999				
REVIEWED: R.J.K.	APPROVED: G.L.H.	DATE: 5-25-2023	SCALE: 1"=30'	FILE NO. 03-230207-00	DWG. NO. 3 OF 3