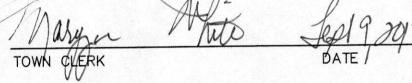
# LEGEND

UTILITY POLE NOW OR FORMERLY CONCRETE BOUND WITH DRILL HOLE FLARED END SECTION ELEVATION EXISTING BITUMINOUS CONCRETE INVERT REINFORCED CONCRETE PIPE FIRST FLOOR ELEVATION APPROXIMATE BASEMENT FLOOR ELEVATION HYDRANT GARAGE FLOOR ELEVATION SEWER MANHOLE BENCHMARK DRAIN MANHOLE FIRE ALARM BOX STORMWATER CATCH BASIN EXISTING CONTOUR LINE WATER GATE OVERHEAD WIRES VERTICAL GRANITE CURB SEWER FORCE MAIN TEST PITS DEEP TEST HOLE DTH DETENTION ELECTRIC, TELEPHONE & CABLE

> TOWN OF MEDWAY PLANNING & ECONOMIC DEVELOPMENT BOARD

8-11-15 APPROVAL DATE 9-8-15 ENDORSEMENT DATE

I. MARYJANE WHITE, CLERK OF THE TOWN OF MEDWAY, HEREBY CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID NOTICE.

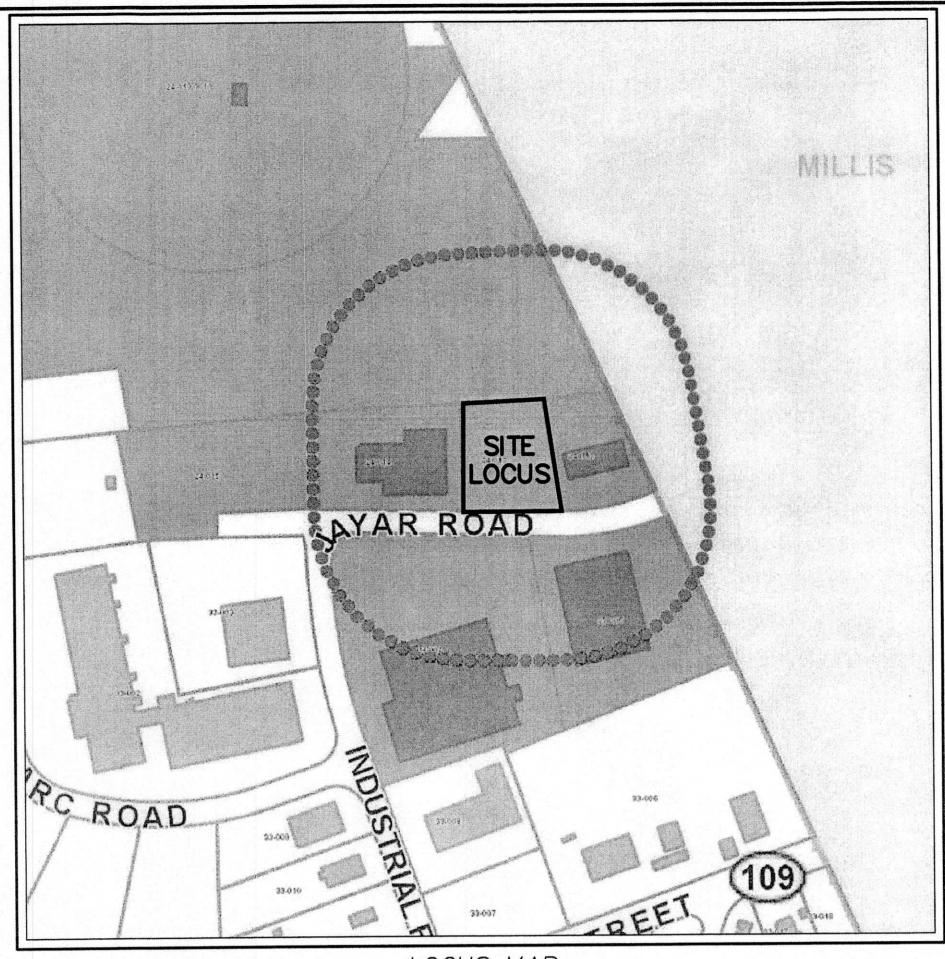


### GENERAL SITE NOTES:

- 1. SITE EXISTING CONDITIONS, WETLANDS LOCATIONS, AND TOPOGRAPHY ARE BASED ON AN ON THE GROUND SURVEY BY O'DRISCOLL LAND SURVEYING CO., MEDWAY MA, AS SHOWN ON A PLAN ENTITLED "EXISTING CONDITIONS, 25 JAYAR ROAD, MEDWAY, MA" DATE OCT. 16, 2014.
- 2. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. ALL UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION
- 3. SITE IS NOT WITHIN AN AREA OF 100-YEAR FLOOD BASED ON F.I.R.M. FLOOD INSURANCE RATE MAP NORFOLK COUNTY, MASSACHUSETTS (ALL JURISDICTIONS) PANEL 142 OF 430 MAP NUMBER 25021C0142E, EFFECTIVE DATE: JULY 17, 2012.
- 4. ELEVATIONS REFER TO THE NORTH AMERICAN DATUM OF 1988 (NAD '88)
- 5. JOHN'S AUTO BODY INC. IS CURRENTLY A VERY SMALL QUANTITY GENERATOR (VSQG) OF HAZARDOUS WASTE MADEP ID # MV5085332800. ALL HAZARDOUS WASTE & HAZARDOUS MATERIALS MUST BE STORED INDOORS WITH SECONDARY CONTAINMENT ON AN IMPERVIOUS SURFACE THAT IS NOT ADJACENT TO A FLOOR DRAIN OR OTHER POINT OF DISCHARGE TO THE OUTDOOR ENVIRONMENT. INDOOR HAZARDOUS WASTE STORAGE AREA MUST BE POSTED WITH "HAZARDOUS WASTE" SIGNS AND MANAGED IN ACCORDANCE WITH 310 CMR 30.0 MASSACHUSETTS HAZARDOUS WASTE REGULATIONS.
- 6. SITE WORK IS SUBJECT TO TOWN OF MEDWAY ZBA SPECIAL PERMIT, CONSERVATION COMMISSION ORDER OF CONDITIONS DEP FILE NO. CE 216-0850 AND PLANNING BOARD SITE PLAN DECISION.
- SITE LIGHTING: ALL PROPOSED LIGHTS ON THE BUILDING SHALL BE SHIELDED IN A MANNER TO PREVENT LIGHT POLLUTION AND TO ELIMINATE LIGHT TRESPASS ONTO ADJACENT PROPERTIES.
- 8. KNOX BOX: APPLICANT WILL COORDINATE WITH THE MEDWAY FIRE DEPARTMENT TO PROVIDE A "KNOX BOX" MOUNTED TO THE BUILDING NEAR THE MAIN ENTRANCE TO ALLOW FOR EMERGENCY ACCESS TO THE BUILDING (LOCATION SHOWN ON SHEET C-1).

### DIG-SAFE NOTE

CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 40, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE COMMONWEALTH OF MASSACHUSETTS EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPELINE COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. CONTRACTOR TO NOTIFY "DIG-SAFE" AT 1-888-DIG-SAFE (1-888-344-7233).



LOCUS MAP SCALE: 1"=200

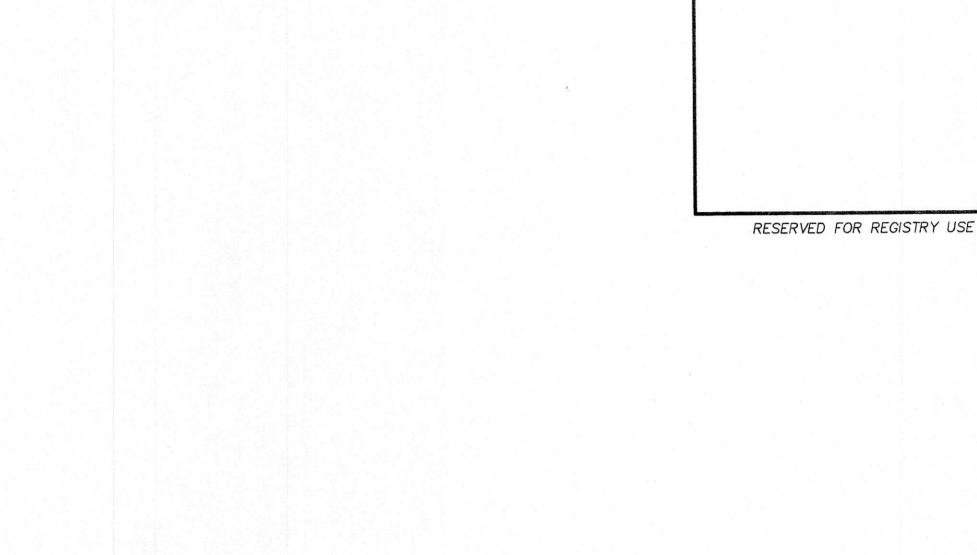
# JOHN'S AUTO BODY 5,000 S.F. COMMERCIAL BUILDING #25 JAYAR ROAD - MEDWAY, MASSACHUSETTS SITE PLAN APPROVAL

PROJECT ENGINEER: DAVID T. FAIST, P.E. FAIST ENGINEERING, INC. 67 HALL ROAD STURBRIDGE, MA 01566 PH: (508) 864-6802

PROJECT SURVEYOR: DANIEL A. O'DRISCOLL, P.L.S. O'DRISCOLL LAND SURVEYING. CO. 46 COTTAGE STREET MEDWAY, MA 02053 P: 1-508-533-3314

## WAIVER REQUESTS FROM TOWN OF MEDWAY PLANNING BOARD RULES AND REGULATIONS:

#### WAIVER DESCRIPTION: SECTION NO: SCALE OF DRAWINGS: SITE PLAN SCALE 1" = 20' 204-4 B EXISTING LANDSCAPE INVENTORY 204-5 C.3) LANDSCAPE ARCHITECTURAL PLAN 204-5 D.7) ARCHITECTURAL PLAN 204-5 D.8) COLOR RENDERINGS 204-5 D.9) SIGNAGE PLAN 204-5 D.12) LIGHTING PLAN 204-5 D.13) HORIZONTAL SITE DISTANCE 204-5 D.14) CURBCUTS: SECOND CURBCUT 205-3 A.3) PERIMETER OF DRIVEWAY BOUNDED WITH VERTICAL GRANITE CURBING 205-3 B.6) PEDESTRIAN AND BICYCLE ACCESS AND CONNECTIONS 205-3 D. PARKING LOCATED TO THE SIDE OR REAR OF LOT 205-6 A. CAR PARKING STALL DIMENSION 10' X 20' 205-6 G.3a) PARKING SPACES/STALLS SHALL NOT BE WITHIN 15' OF PROPERTY LINE 205-6-G.4)b) PARKING STALL MANUVEURING AREA WITHIN 50' OF PUBLIC WAY 205-6 G.4)c) CURBING: VERTICAL GRANITE CURB FOR PERIMETER OF PARKING AREA 205-6-H. TREES AND LANDSCAPING 205-9 C



APPLICANT / PROPERTY INFORMATION:

ZONING INFORMATION TABLE

ZONING REQUIREMENTS FOR: INDUSTRIAL (I-1)

ASSESSOR'S MAP ID: 24-013 DEED: BK 14144 PG 371 LOT AREA: 40,266 S.F.

APPLICANT/OWNER: JOHN AND CAROLINE SOLARI 18 WINTHROP STREET MEDWAY, MA 02053 PHONE: (508) 533-2800

LOT AREA=20,000 S.F. (MIN.) LOT FRONTAGE=100' (MIN.) FRONT YARD SETBACK=30' (MIN.) REAR YARD SETBACK =20' (MIN.) SIDE YARD SETBACK =30' (MIN.) MAX. BUILDING HEIGHT = 40' MAX. LOT COVERAGE = 40%

## PLAN INDEX

TITLE / COVER SHEET

SITE PLAN C-1

GRADING AND UTILITIES PLAN

C-3DETAIL SHEET #1

DETAIL SHEET #2

C-5DETAIL SHEET #3

DETAIL SHEET #4

EXISTING CONDITIONS PLAN

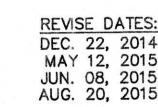
PROPOSED FLOOR PLAN - PRIGGEN STEEL

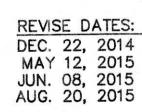
PROPOSED BUILDING ELEVATIONS - PRIGGEN STEEL

## SITE PLANS #25 JAYAR ROAD 5.000 S.F. COMMERCIAL BUILDING

MEDWAY, MASSACHUSETTS

DATE: OCTOBER 16, 2014







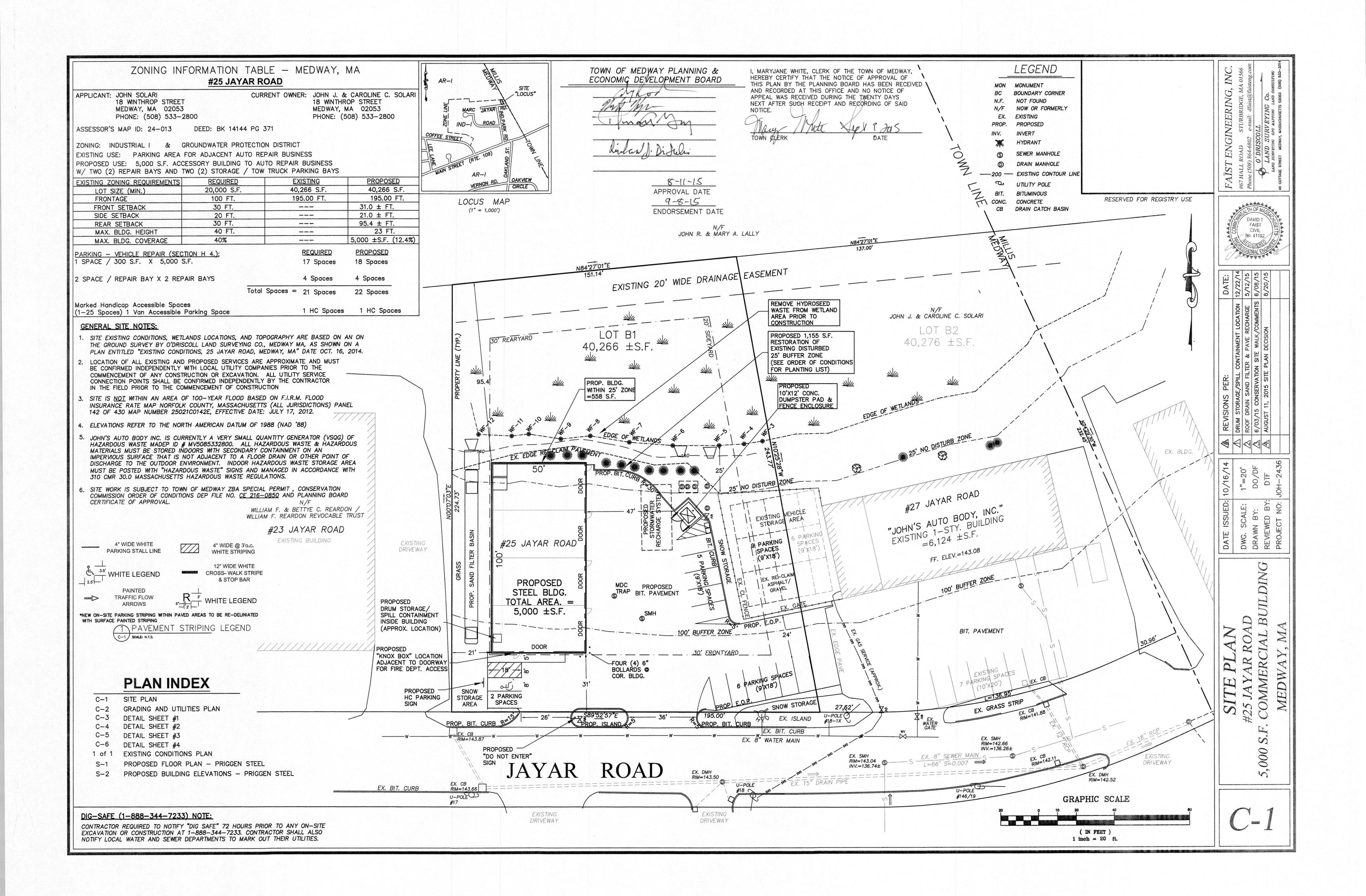
LAND SURVEYING GPS MAPPING LAND CONSULTING STURBRIDGE, MA 01566 46 COTTAGE STREET MEDWAY, MASSACHUSETTS 02053 (508) 533-3314

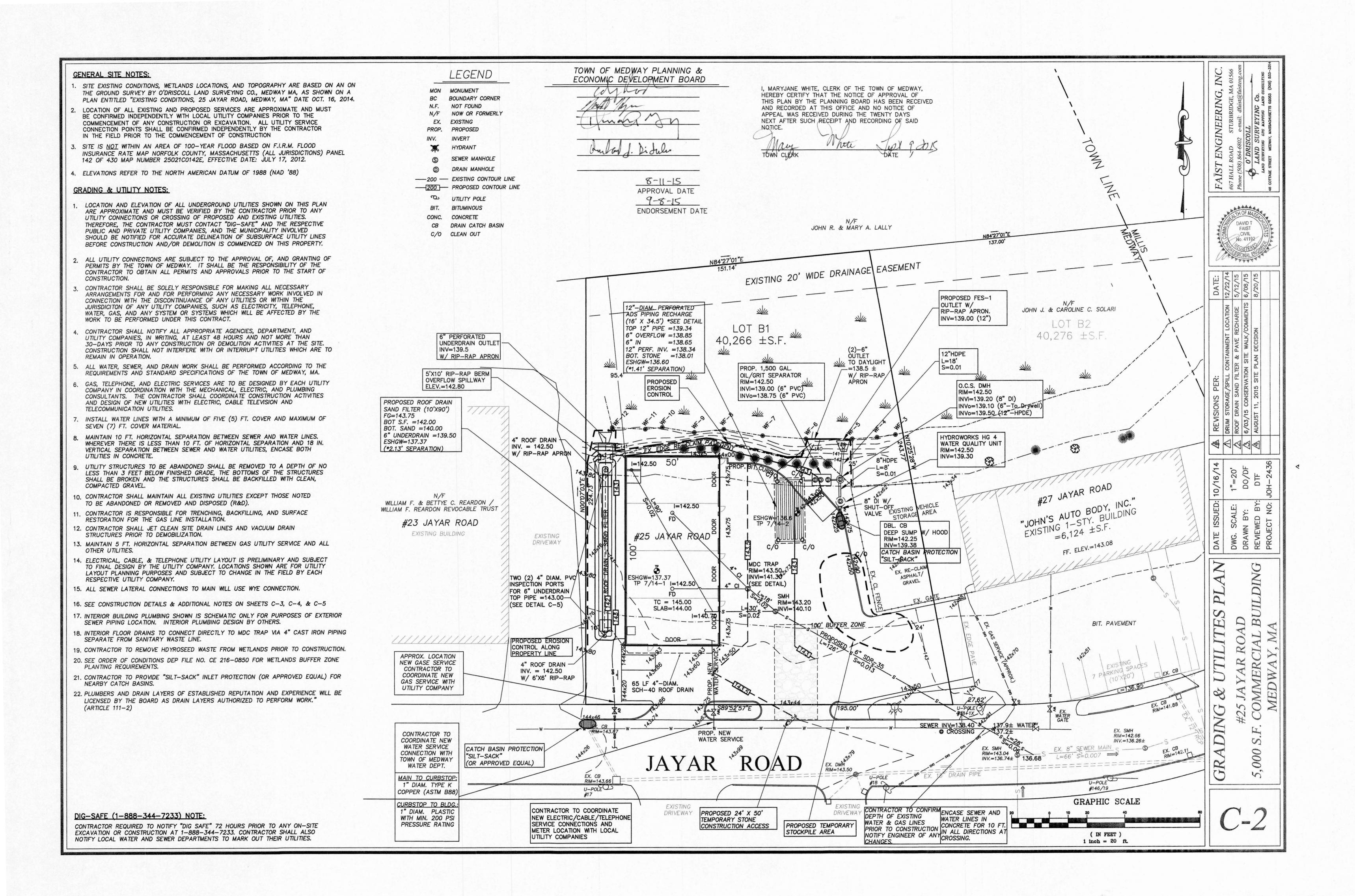
FAIST ENGINEERING, INC 67 HALL ROAD Phone: (508) 864-6802

e-mail: dfaist@faisteng.com

SHEET T-1







#### RESPONSIBILITIES OF OWNER PERMITEE

The Owner/Permitee shall:

A. Provide the contractor with copies of land-use permits that owner has acquired.

B. Inform all parties involved with the proposed site work of this plan's objectives and requirements.

## The contractor is responsible for preventing erosion of the site and for protecting adjacent storm sewers and waterways from sedimentation.

A. Install, monitor, and maintain of the soil erosion and sediment control measures as shown on this plan. B. Comply with all permit requirements.

PRECONSTRUCTION CONFERENCE - Prior to Construction, Following Installation of Erosion Control The Permitee, Owner-of-record, Contractor, Engineer, and Town Representatives (Conservation Commission) shall hold a "pre-construction" conference at the site to review the proposed soil erosion and sediment

#### control measures. GENERAL CONTROLS

Cleaning of Stormwater Structures:

Clean all stormwater structures, including, but not limited to pipes, swales, subsurface retention basins, sediment traps, and riprap aprons of sediment upon completion of the project.

#### Construction Entrance:

Place clean washed stone at the site entrances to the length, width and depth indicated on the plans and details to help remove mud and/or clods of soil from construction vehicles exiting from the site. Add additional stone as necessary to maintain adequate serviceability.

The contractor shall sweep paved roadways adjacent to the site on a routine basis to prevent tracking of mud onto public roadways and washing of mud into waterways. If the contractor's schedule for cleaning the pavement is found to be inadequate by the Owner, Owner's Representative, or Town, the contractor shall increase the frequency at no additional cost to the owner.

The contractor shall provide an adequate number of covered waste containers to ensure that no litter, debris, building materials, or similar materials are discharged to wetlands or watercourses. The contractor shall instruct subcontractors to use the containers for waste material. The containers shall be promptly emptied when full.

#### DESCRIPTION AND MAINTENANCE OF EROSION CONTROL MEASURES

#### TEMPORARY STABILIZATION MEASURES

Install silt fence at various locations as shown on the plans and details. Embed the silt fence into the ground and firmly anchor it as shown in the details. Remove sediment once levels have reached 1/4 of the effective fence-height. Repair and/or replace silt fence immediately if damaged or deteriorated.

Stockpiling or Storage of Excavated Materials: Completely surround temporary material stockpiles with silt fence to prevent transportation of

Take precautions to prevent dust from becoming a nuisance to abutting property owners. Broom off pavements adjoining the excavation on a daily basis. Cover and/or keep moist all earth stockpiles at all times. Use calcium chloride to control dust over certain areas of the site, as directed by the engineer or shown on the plans. Calcium chloride shall conform to ASTM D-98, Type I. The contractor shall maintain and inspect, on a daily basis, the adequacy of dust control measures and correct any deficiencies immediately.

Top soil stockpiles and disturbed portions of the site where construction activity ceases for at least 21 days will be stabilized with temporary seed and mulch no later than 14 days from the last construction activity in that area. The temporary seed and mulch procedures and specifications shall be in accordance with the landscape architect's recommendations. Areas of the site which are to be paved will be temporarily stabilized by applying geotextile and stone sub-base until bituminous pavement can be applied.

### PERMANENT STABILIZATION MEASURES

Disturbed portions of the site where construction activities permanently cease shall be stabilized with permanent seed no later than 14 days after the last construction activity. The permanent seed and mulch specifications and procedure shall be in accordance with the landscape architect's recommendations.

The contractor shall be responsible for all landscaped areas. If topsoil, seed, and/or mulch is washed away by rainfall, the contractor shall restore the area.

### EXCAVATION DEWATERING PRACTICES

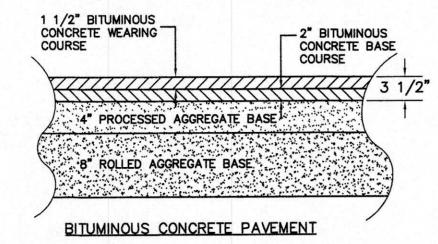
- 1. AT NO TIME SHALL EXCAVATION "DEWATERING" BE DIRECTLY DISCHARGED TO: CATCH BASIN, DRAIN PIPE,
- WETLAND, STREAM, OR FLOOD PLAIN AREA. 2. TRENCH & EXCAVATION DE-WATERING WASTEWATER SHALL BE DISCHARGED THROUGH AN "ULTRA PIPESOCK" OR EQUIVALENT SEDIMENT/OIL FILTER TRAP WITH 12" DEPTH GRAVEL FILTER BERM.
- 3. DE-WATERING DISCHARGES SHALL BE DIRECTED TO ON-SITE SEDIMENT CONTROL SYSTEMS AND/OR DRAINAGE

### GENERAL CONDITIONS

- If erosion control measures are damaged by construction vehicles, acts of vandalism, or severe weather conditions, the contractor shall immediately remove sediment in the vicinity of the erosion control measures and repair these measures to a functional condition.
- 2 If, during or after construction, it becomes apparent that existing erosion control measures are incapable of controlling erosion, the engineer or the Town may require additional control measures including, but not limited to; additional haybales, silt fence, sediment basins, mechanically anchored mulch, or enhanced dewatering filtration.
- No construction shall proceed until a written proposal of methods to prevent construction debris, paint, spent blast materials, or other materials from entering a storm sewer, the wetland, or watercourse has been submitted by the Contractor to the Owner and approved by the Owner, and such methods have been implemented as the Owner directs. These materials shall be collected and disposed of in an environmentally safe manner in accordance with all applicable Federal and State laws and regulations. The Owner may order the Contractor to cease such activity temporarily if, in the judgement of the Owner, wind or storm conditions threaten to cause the deposit of such materials into a waterway.
- All temporary fill shall be stabilized during use to prevent erosion and shall be suitably contained to prevent sediment or other particulate matter from reentering a wetland or watercourse. All areas affected by temporary fills must be restored to their original contours or as directed by the Owner, and revegetated. The areal extent of temporary fill or excavation shall be confined to that area necessary to perform the work, as approved by the Owner.
- Dumping of oil, chemicals or other deleterious materials on the ground is forbidden. The contractor shall provide a means of catching, retaining, and properly disposing of drained oil, removed oil filters, or other deleterious material. All spills of such materials shall be reported immediately by the Contractor to appropriate Town and State Agencies.
- ALL REFUELING OF CONSTRUCTION EQUIPMENT IS TO TAKE PLACE OUTSIDE OF THE 100-FOOT BUFFER ZONE. NO CONCRETE WASHOUT OR WASHING OF CONSTRUCTION EQUIPMENT IS ALLOWED WITHIN THE 100-FT. BUFFER ZONE.
- INSPECTIONS: Erosion Control shall be inspected DAILY or after an legitimate storm event. Inspection shall be recorded in a log along with time and date. Log shall be available for inspection by the Conservation Agent or
- 8. FILL MATERIAL TESTING: CONSERVATION COMMISSION MAY REQUIRE TESTING OF OUTSIDE FILL SOURCES AND THE RESULTS REVIEWED BY A STATE OF MASSACHUSETTS LICENSED SITE PROFESSIONAL (LSP) AND CONSERVATION AGENT PRIOR TO DELIVERY TO THE SITE. CONTRACTOR TO REFER TO CONSERVATION ORDER OF CONDTIONS FOR SPECIFIC SOIL TESTING AND REVIEW REQUIREMENTS FOR ALL OUTSIDE FILL SOURCES.
- 9. DEP SIGN: A SIGN SHALL BE DISPLAYED AT THE SITE NOT LESS THAN TWO (2) SQUARE FEET (S.F.) OR MORE THAN THREE (3) S.F. IN SIZE BEARING THE WORDS, "MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (or MA DEP): DEP FILE NUMBER CE 216-0850.

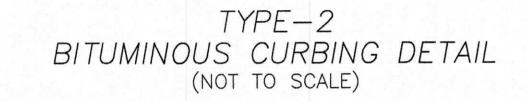
## DIG-SAFE NOTE (1-888-344-7233):

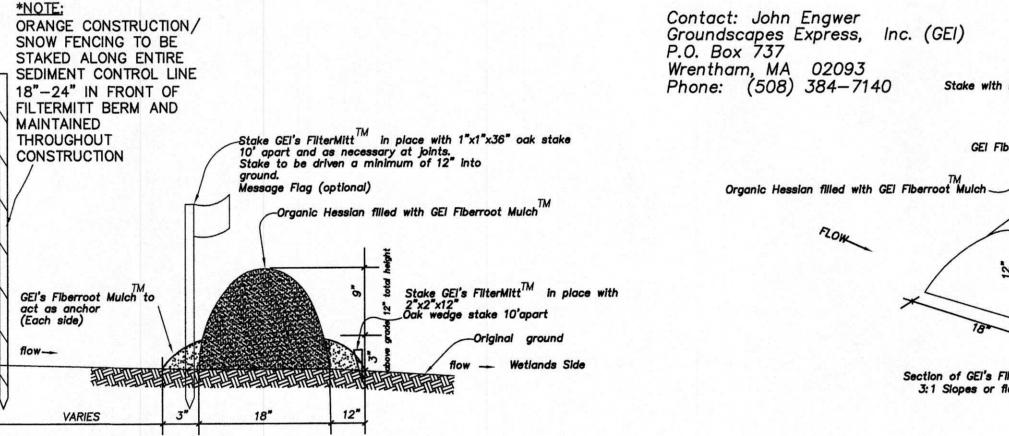
CONTRACTOR REQUIRED TO NOTIFY "DIG SAFE" 72 HOURS PRIOR TO ANY ON-SITE EXCAVATION OR CONSTRUCTION AT 1-888-344-7233. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER AND SEWER DEPARTMENTS TO MARK OUT THEIR UTILITIES.



ON-SITE PAVEMENT SECTION

(NOT TO SCALE)





SEDIMENT CONTROL SYSTEM SHALL BE SHALL BE GEI FILTERMITT OR APPROVED EQUAL. Section of GEI's FilterMitt 2:1 Slopes or steeper 1 SEDIMENT CONTROL SYSTEM

1 1/2" BITUMINOUS

CONCRETE WEARING -

TOP COURSE

2 1/2" BITUMINOUS

—CONCRETE "DENSE"

BINDER COURSE

4" DENSE GRADE CRUSHED STONE

W/ 95% COMPACTION

8" GRAVEL BORROW

WITH 95% COMPACTION

BITUMINOUS

ROADWAY PAVEMENT SECTION

(NOT TO SCALE)

4" MINIMUM-

CONSTRUCTION ENTRANCE DETAIL (TYP.)

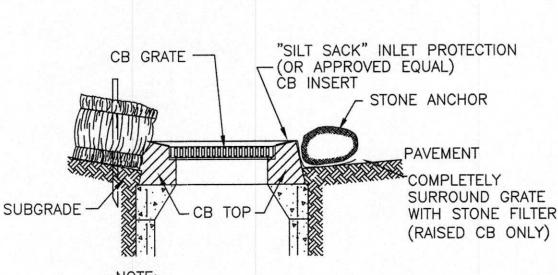
(NOT TO SCALE)

STONE OR EARTH PILE.

3-5" DIA. CRUSHED STONE

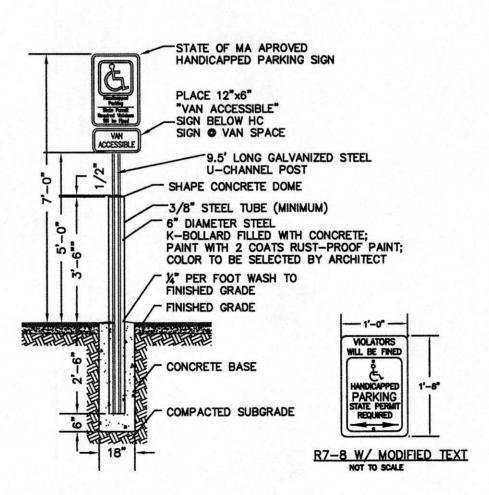
MIRAFI 700x FILTER FABRIC UNDER STONE

3:1 Slopes or flatter



REMOVE CB GRATE, PLACE "SILT-SACK" REPLACE GRATE, TAKING CARE NOT TO DAMAGE "SILT-SACK". ANCHOR WITH STONE OR EARTH PILE IF NECESSARY.

CATCH BASIN PROTECTION DETAIL NOT TO SCALE



HANDICAP PARKING SIGN

CONTRACTOR TO OBTAIN "TOWN OF MEDWAY STREET OPENING PERMIT" PRIOR TO ANY WORK IN THE PUBLIC STREET RIGHT OF WAY. ALL SAWCUT PAVEMENT AREAS MUST BE PATCHED IN COMPLIANCE WITH DPS PERMIT REQUIREMENTS.

BACKFILL TRENCH WITH FLOWABLE FILL AS REQUIRED;

PATCH PAVEMENT AREA TO MATCH MATERIALS AND THICKNESS OF EXISTING PAVEMENT:

4. LIMITS OF PAVEMENT SAWCUT, INFARED PATCH ALL JOINTS IN ACCORDANCE WITH TOWN OF MEDWAY DPS.

PARCEL AREA: 0.92 +/- ACRES

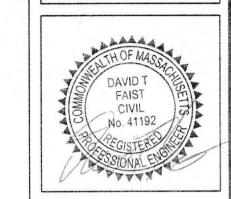
BITUMINOUS PAVEMENT PATCH TOWN ROADWAY DETAIL (NOT TO SCALE)

ECONOMIC, DEVELOPMENT BOARD

TOWN OF MEDWAY PLANNING &

8-15-15 Approval DATE

Endonsement Date



ZZ

NGINEERING

A CAND CHITCO & DAVE DECUADOR
A SAIND FILLER & PAVE RECHANGE
\$\\ \begin{align} \Boxen \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
A 8/11/15 PLANNING BOARD DECISION 8/2

10/16/

 $\mathbf{\omega}$ 

CONSTRUCTION SCHEDULE AND **EROSION & SEDIMENT CONTROL CHECKLIST** PROJECT NAME: #25 JAYAR ROAD LOCATION: #25 JAYAR ROAD, MEDWAY, MA

PROJECT DESCRIPTION: NEW 5,000 S.F. BUILDING & PARKING AREA IMPROVEMENTS

EROSION & SEDIMENT CONTROL MEASURES DATE INSTALLED WORK DESCRIPTION \*PRE-CONSTRUCTION MEETING W/ CONSERVATION AGENT CLEAR VEHICLES & BRUSH REMOVE FROM SITE REMOVE HYDROSEED WASTE FROM WETLANDS AREA INSPECT EROSION CONTROLS DAILY INSTALL EROSION CONTROL AND AFTER RAINFALL EVENTS. & SILTSACKS IN CATCH BASINS \*CONTACT CONSERVATION AGENT FOR 5. INSTALL ANTI-TRACKING PAD INSPECTION OF EROSION CONTROLS. 6. STRIP RECLAIM ASPHALT/GRAVEL AND STOCKPILE. 7. EXCAVATE FOR FOUNDATION 8. POUR CONCRETE FOUNDATION 9. BACKFILL & ROUGH GRADING 10. CONSTRUCT BUILDING 11. INSTALL STORMWATER STRUCTURE 12. CONSTRUCT SAND FILTER 13. INSTALL UTILITIES & DRYWELL 4. FINAL SITE GRADING 15. PAVE PARKING AREA / CURBS 16. TOPSOIL, LOAM, AND SEED 7. INSTALL BUFFER ZONE PLANTINGS (SEE ORDER OF CONDITIONS) SURVEYOR FINAL AS—BUILT PLAN REQUEST CERT. OF COMPLIANCE REMOVE EROSION CONTROLS WHEN SITE IS STABLIZED W/ APPROVAL FROM CON. COMM. FROM CONSERVATION COMM.

\*APPLICANT AND/OR LANDOWNER SHALL NOTIFY COMMISSION IN WRITING AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO COMMENCING ANY WORK

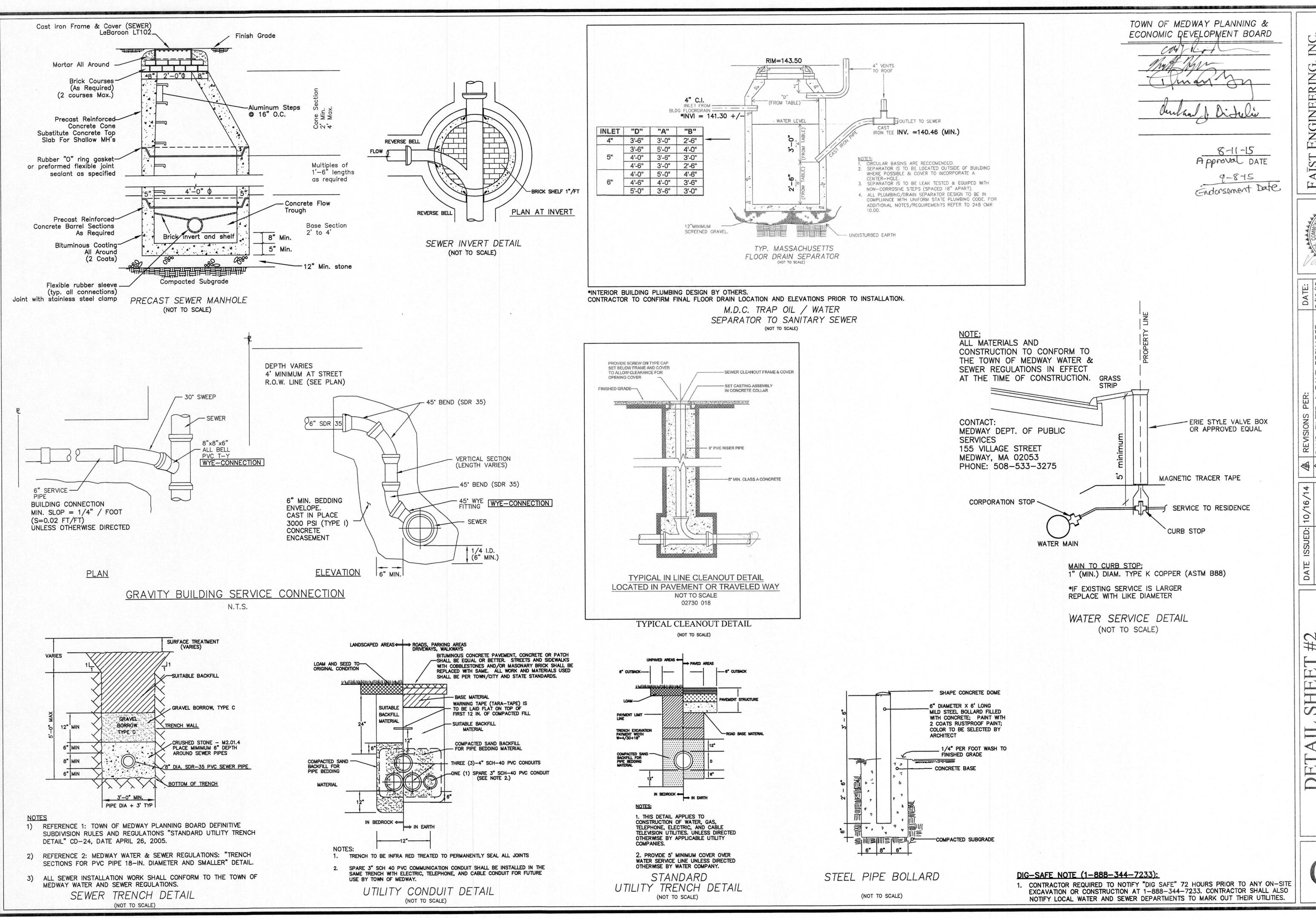
MEDWAY CONSERVATION COMMISSION: BRIDGET GRAZIANO, CONSERVATION AGENT 155 VILLAGE STREET MEDWAY, MA 02053 PHONE: 508-321-4992 CELL: 508-918-5986 E-MAIL: bgraziano@townofmedway.org

0

#

(I)

5



FAIST ENGINEERING, INC. 67 HALL ROAD STURBRIDGE, MA 0150 Phone: (508) 864-6802 E-mail: dfaist@faisteng.com

DAVID T FAIST CIVIL No. 41192

AVE RECHARGE 5/12/15

WALK/COMMENTS 6/08/15

BOARD DECISION 8/20/15

10/16/14 A REVISIONS PER:

1"=20' A SAND FILTER & PAVE RECHARGE

DF A S/11/15 PLANNING BOARD DECISION

10H-2436

DWG. SCALE: 1"=20'
DRAWN BY: DF

REVIEWED BY: DTF

PROJECT NO: JOH-2436

ETAIL SHEET #2
#25 JAYAR ROAD
COMMERCIAL BUILDING

C-4

#### GENERAL SITE NOTES:

- 1 SITE EXISTING CONDITIONS AND TOPOGRAPHY ARE BASED ON AN ON THE GROUND SURVEY BY O'DRISCOLL LAND SURVEYING CO., MEDWAY MA, AS SHOWN ON A PLAN ENTITLED "EXISTING CONDITIONS PLAN, 25 JAYAR ROAD, MEDWAY, MA" DATE OCTOBER 02, 2014.
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORKSCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS, RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE OF THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES
- 3. ALL WORK SHALL CONFORM TO THE TOWN OF MEDWAY AND THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS HIGHWAY DESIGN MANUAL AS
- ROOF DRAIN PIPING TO BE CAST IRON IF WITHIN 10' OF BUILDING, OTHERWISE USE H-20 RATED ADS OR HDPE PIPING.
- COORDINATE BUILDING ROOF DRAINAGE AND DOWN SPOUT LOCATIONS WITH ARCHITECTURAL DRAWNGS.
- 6. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE CONDUITS, PRODUCT PIPING, ETC., PRIOR TO COMMENCEMENT OF EXCAVATION OF ANY TYPE. CONTRACTOR TO NOTIFY ENGINEER OF ALL DISCREPENCIES FROM THIS PLAN IDENTIFIED IN THE FIELD.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE BUILDING AND FIRE DEPARTMENTS 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION
- 8. ALL CONCRETE AND BITUMINOUS PATCH AREAS TO MATCH EXISTING GRADES
- 9. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH O.S.H.A. REQUIREMENTS
- 10. SOLID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS
- 11. ALL PEDESTRIAN CONCRETE RAMPS AND SIDEWALKS SHALL BE 3,000 P.S.I. WITH A BROOM FINISH APPLIED PERPENDICULAR TO THE PRIMARY DIRECTION OF TRAVEL. PITCH AWAY FROM THE STRUCTURE FOR POSITIVE DRAINAGE. ALL ON-SITE SIDEWALK RAMPS AND BUILDING ACCESS PATHS TO CONFORM WITH MASSACHUSETTS ACCESS BOARD STANDARDS.
- 12. CONCRETE PADS SHALL BE 3,000 P.S.I. WITH A BROOM FINISH. PADS SHALL BE PITCHED AWAY FROM THE STRUCTURE STRUCTURE S=0.02 FT/FT (MAX.) FOR POSITIVE DRAINAGE.
- 13. DURING CONSTRUCTION, ALL OIL, PAINT, OR OTHER HAZARDOUS MATERIALS SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
- 14. SEDIMENT TRACKED ONTO JAYAR ROAD FROM CONSTRUCTION ACTIVITIES SHALL BE SWEPT AT THE CONCLUSION OF EACH CONSTRUCTION DAY, UNTIL ALL WORK AREAS HAVE BEEN PROPERLY STABILIZED.
- 15. LITTER AND DEBRIS IN THE PARKING LOT, LANDSCAPED AND BUFFER AREAS SHALL BE REMOVED REGULARLY TO MAINTAIN A NEAT AND ORDERLY APPEARANCE.
- 16. THERE ARE NO KNOWN WELLS WITHIN 100' OF THE SITE PROPERTY BOUNDARY. SITE IS SERVICED BY TOWN WATER & SEWER.
- 17. MAINTAIN 5 FT. HORIZONTAL SEPARATION BETWEEN GAS UTILITY SERVICE AND ALL OTHER UTILITIES.
- 18. ELECTRICAL, CABLE, & TELEPHONE UTILITY LAYOUT IS PRELIMINARY AND SUBJECT TO FINAL DESIGN BY THE UTILITY COMPANY. LOCATIONS SHOWN ARE FOR UTILITY LAYOUT PLANNING PURPOSES AND SUBJECT TO CHANGE IN THE FIELD BY EACH RESPECTIVE UTILITY COMPANY.
- 19. ALL EROSION MITIGATION MEASURES SHALL BE IN PLACE PRIOR TO MAJOR CONSTRUCTION OR SOIL DISTURBANCE COMMENCING ON THE SITE (SEE SHEET C-2)

### **DRAINAGE NOTES:**

- 1) NO BACKFILLING OF PIPES SHALL BE DONE UNTIL THE INSTALLATION HAS BEEN INSPECTED BY THE PLANNING BOARD'S AGENT.
- 2) ALL DRAINAGE TRENCHES SHALL BE PROVIDED WITH CRUSHED STONE PIPE BEDDING AND FILLED WITH CLEAN GRAVEL BORROWS IN ACCORDANCE WITH SECTION 150.
- 3) NO DRAINAGE PIPES FROM ROOF DRAINS, BASEMENT DRAINS, DRIVEWAY DRAINS OR OTHER ON-LOT SOURCES SHALL BE CONNECTED TO THE STREET DRAINAGE SYSTEM.
- CAST IRON MANHOLE COVERS AND CATCH BASIN GRATES SHALL BE AS MANUFACTURED BY OR EQUIVALENT, AS DETERMINED BY THE BOARD OR BOARD'S AGENT, TO E.L. LEBARON FOUNDRY MODEL NO.'S LK-110 FOR MANHOLES, L.F. 248-2 FOR CATCH BASINS. FOR CATCH BASINS AT THE END OR ON 5% OR GREATER GRADIENT ROADS NO. LK-120 A (CASCADE GRATE) SHALL BE USED.
- LOCATION OF ALL UTILITIES SHALL BE DETERMINED IN THE FIELD, BY THE RESPECTIVE UTILITY COMPANIES (ELECTRIC, CABLE, & TELECOM). CONTRACTOR SHALL BE RESPONSIBLE TO ACCURATELY LOCATE THE UTILITIES DURING CONSTRUCTION, PRIOR TO BACKFILL, SUCH THAT THE ACTUAL LOCATION CAN BE ACCURATELY REPRESENTED ON THE AS-BUILT DRAWNGS.

#### ROOF DRAIN SAND FILTER BASIN DETAIL - 4" DIAM PVC INSPECTION PORT AT EACH END TOP OF PIPE=143.00 4-6" LOAM & SEED-= 143.80(SEE SHEET C-2) SAND FILTER =142.80 LAYER #2: FILTER FABRIC -PONDING AREA BOT. 142.0 9" DEPTH 18" -CLEAN WASHED -"CONCRETE" SAND (0.02 INCH ~ 0.04 INCH DIAM.) OUTLET TO DAYLIGHT LAYER #1: @ RIP-RAP APRON FILTER FABRIC -6" -DIAM. PERFORATED UNDERDRAIN PIPE INV. = 138.50PROP. 6"-DIAM. HDPE OUTLET PIPE BOTTOM & SIDES INV.=139.50 SET LEVEL S=0.01 (MIN.) 6" PVC PERFORATED -UNDERDRAIN PIPE SET IN 1"~2" STONE BEDDING ESHGW @ 64" TP-7/14-1

SAND FILTER CROSS-SECTION SCHEMATIC DETAIL (NOT TO SCALE)

### ENGINEERED SOIL MIX FOR SAND FILTER SYSTEM

- 1. THE SAND FILTER SHOULD CONSIST OF CLEAN WASHED "CONCRETE SAND".
- 100% SAND 0.02 IN. ~ 0.04 IN. DIAMETER.

DOUBLE -GRATE"

EBARON FOUNDRY

FRAME & GRATES

FINISHED GRADE

ALL PRECAST

SECTION JOINTS

BUTYL RUBBER

JOINT SEALANT

RISER SECTION

AS REQUIRED.

USE "THE ELIMINATOR" BRAND

12"MINIMUM

SCREENED GRAVEL

OIL AND FLOATING DEBRIS

TRAP FOR CATCH BASINS

(www.KLEANSTREAM.COM)

IN ALL DEEP SUMP

CATCHBASINS

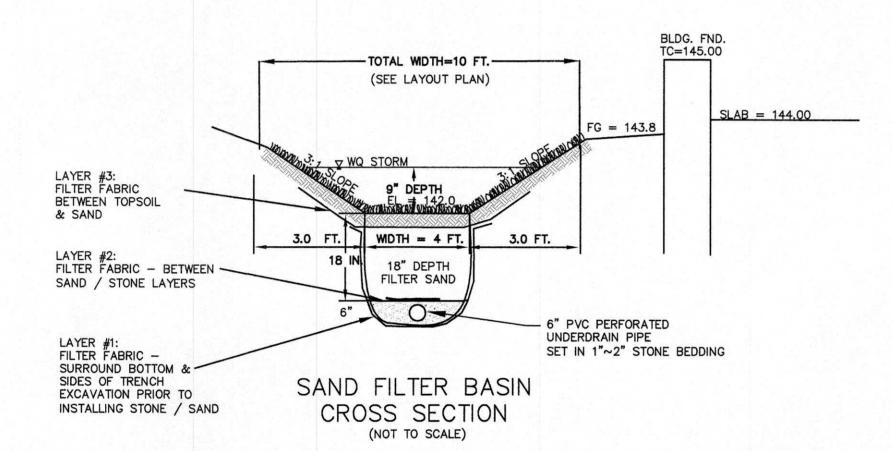
TO BE SEALED W/

TAPERED SECTION -

MODEL NO. 248-2 - STANDARD

ELEV. =137.4  $\pm$ 

- SOIL MIX MUST BE UNIFORM, FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER
- TOPSOIL COMPONENT SHALL BE A SANDY LOAM, LOAMY SAND OR LOAM TEXTURE
- GRADE THE AREA TO ALLOW A PONDING DEPTH OF 9 INCHES PER GRADING PLAN.
- 5. AVOID SOIL COMPACTION (BEFORE AND AFTER CONSTRUCTION) AND SEALING OF EXCAVATED BOTTOM WITH MACHINE BUCKET.



- FRAME & GRATE

IN FULL BED OF MORTAR.

KNOCKOUTS FOR PIPES.

MORTAR ALL PIPE

OUTSIDE OF PIPE

+2" CLEARANCE

\*ALL DRAIN PIPING &

CB SECTIONS TO

BE H-20 LOAD

CAPACITY (MIN.)

UNDISTURBED EARTH

KENILWORTH, NJ 07033

gbryant@hydroworks.com

P. 888-290-7900

F. 888-783-7271

PROVIDE "V"

CONNECTIONS.

BRICKS MAY BE USED FOR GRADE

ADJUSTMENTS. FRAME TO BE SET

		TO	P ELEVATI	ON = 142	.7		
DEPTH		OIL RIZON	SOIL TEXTURE		OTHER		
0-5"	H	MTH	FILL	RECLAIM ASPHALT			
5-10"	H	MTH	FILL	UNCLASSIFIED FILL			
10-102"		С	SAND	2.5Y 6/3 MedFine Sand			
	H20 Seeping @				", Rapid Infiltration		
BEDROCK: N	DROCK:N/A PARENT MATERIAL:		ESTIMATED SEASONAL				
WATER: 88" MOTTL		MOTTLIN	NG: 64"		GROUNDWATER: 137.4		

T	EST HOL	E TP-7/1	4-2	(7/18/14)		
	TO	OP ELEVAT	ION = 14	2.8		
DEPTH	SOIL HORIZON	SOIL TEXTURE				
0-5"	НТМ	FILL	RECLAIM ASPHALT			
5-42"	НТМ	FILL	UNCLASSIFIED FILL			
42-108"	С	SAND	2.5Y 6/3 Sand - 0% Gravel			
		H20 Seepi	ng @ 90"	Mod/Rapid Infiltration		
BEDROCK: N/A PARENT MATER		IT MATERIAL:		ESTIMATED SEASONAL		
WATER: 90" MOT		ING: 74"		GROUNDWATER: 136.7		

PAVEMENT STRUCTURE

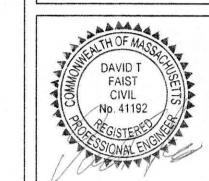
TOTAL DEPTH OF COMPACTED

BEDDING MATERIAL TO BE 4" + (0.25 x O.D. OF PIPE)

WRAP RIPIRAP

TOWN OF MEDWAY PLANNING & ECONOMIC DEVELOPMENT BOARD many

> 8-11-15 Approval DATE 9-8-15 Endorsement Date



0

ST ENGINEERING,
NLL ROAD STURBRIDGE,
N. (508) 864-6802
I: dfaist@fair-

AĪS. HAL

F. Ph. E. I.

INC

DAVID T FAIST CIVIL Np. 41192  SSIONAL EN				11
DATE:	5/12/15	6/08/15	8/20/15	
ONS PER:	FILTER & PAVE RECHARGE	5 C.C. SITE WALK/COMMENTS 6/08/15	5 PLANNING BOARD DECISION 8/20/15	

SAND FIL 6/03/15 8/11/15 F

4000

10/16,

DTF 1-2

DW DR RE

B 20

Service .

S

Contract of the second

0

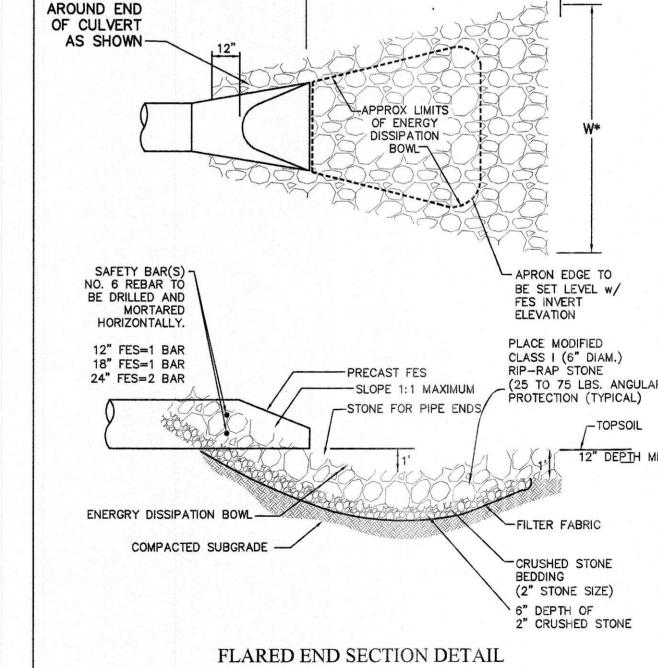
W

S

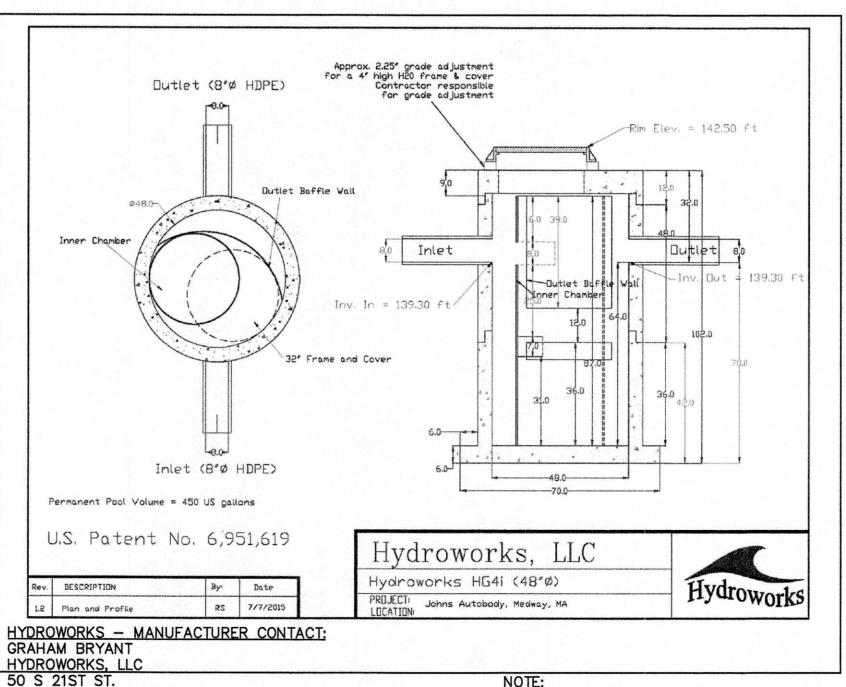
#

	COMPACTED F SUBGRADE	PAVEMENT			
1'-0"	I.D. OF PIPE	1'-0"		2, MIN	
+					
	ATERIAL TO BE TO OF PIPE LESS THAN 30" I.D	3 (\$ 50.00)	ý		

STORM SEWER TRENCH DETAIL (NOT TO SCALE)



(NOT TO SCALE)



CONSTRUCTION.

DEEP SUMP CATCHBASIN DETAIL (NOT TO SCALE)

8" MIN. 1

## DIG-SAFE NOTE (1-888-344-7233):

CONTRACTOR REQUIRED TO NOTIFY "DIG SAFE" 72 HOURS PRIOR TO ANY ON-SITE EXCAVATION OR CONSTRUCTION AT 1-888-344-7233. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER AND SEWER DEPARTMENTS TO MARK OUT THEIR UTILITIES.

RIP-RAP APRONS TO BE MINIMUM 6' L X 7' W CONTRACTOR TO SUBMIT SHOP DRAWING TO DESIGN ENGINEER FOR REVIEW PRIOR TO

