

0635 DATE

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SHEET DESCRIPTION

PREPARED FOR RECORD OWNER

REBECCA RAND

3 PINE GROVE STREET

FALMOUTH, ME 04105

BECKY'S DINER EXPANSION
390 COMMERCIAL STREET
PORTLAND, ME 04104

GRADING/EROSION CONTROL

TERRADYN CONSULTANTS LAND PLANNING • STORMWATER DESIGN • ENVIRONMENTAL PERMITTING 11-07-06 ADDED GRANITE CURBING TO THE DESIGN JHW P.O. BOX 339 NEW GLOUCESTER, ME 04260 JHW 10-13-06 REVISED PER CITY REVIEW COMMENTS phone: (207) 272-7571 JHW 09-07-06 SUBMITTED TO CITY FOR SITE PLAN REVIEW email: TERRADYN@MAINE.RR.COM 07-26-06 SUBMITTED TO MDEP AS SUPLEMENT TO NRPA PERMIT APPLICATION JHW APP'D NO. DATE REVISIONS

BY

ALL DISTURBED AREAS SHALL BE MULCHED WITH MATERIALS SPECIFIED BELOW PRIOR TO ANY STORM EVENT. ALL DISTURBED AREAS NOT FINAL GRADED WITHIN 14 DAYS SHALL BE MULCHED. ALSO, AREAS, WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED, SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING. EROSION CONTROL BLANKETS ARE RECOMMENDED TO BE USED AT THE BASE OF GRASSED WATERWAYS AND ON SLOPES GREATER THAN 15%. MULCH ANCHORING SHOULD BE USED ON SLOPES GREATER THAN 5% AFTER SEPTEMBER 15TH OF THE CONSTRUCTION YEAR (SEE WINTER EROSION CONTROL NOTES). TYPES OF MULCH:

HAY OR STRAW: SHALL BE APPLIED AT A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER ACRE).

HAY OR STRAW: SHALL BE PLACED EVENLY AND MUST PROVIDE 100% SOIL COVERAGE. EROSION CONTROL MIX SHALL BE APPLIED SUCH THAT THE THICKNESS ON SLOPES 3:1 OR LESS IS 2 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THE THICKNESS ON SLOPES BETWEEN 3:1 AND 2:1 SHALL BE 4 INCHES PLUS 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. THIS SHALL BE USED ON SLOPES GREATER THAN 2:1.

EROSION CONTROL BLANKET: SHALL BE INSTALLED SUCH THAT CONTINUOUS CONTACT BETWEEN THE MAT AND THE SOIL IS OBTAINED. INSTALL BLANKETS AND STAPLE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WATER FROM CONSTRUCTION TRENCH DEWATERING OR TEMPORARY STREAM DIVERSION WILL PASS FIRST THROUGH A FILTER BAG OR SECONDARY CONTAINMENT STRUCTURE (E.G. HAY BALE LINED POOL) PRIOR TO DISCHARGE. THE DISCHARGE SITE SHALL BE SELECTED TO AVOID FLOODING, ICING, AND SEDIMENT DISCHARGES TO A PROTECTED RESOURCE. IN NO CASE SHALL THE FILTER BAG OR CONTAINMENT STRUCTURE BE LOCATED WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE. REVEGETATION MEASURES SHALL COMMENCE IMMEDIATELY UPON COMPLETION OF FINAL GRADING OF AREAS TO BE LOAMED AND SEEDED. THE APPLICATION OF SEED SHALL BE CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF THE CONSTRUCTION YEAR, PLEASE REFER TO THE WINTER EROSION CONTROL NOTES FOR MORE DETAIL. REVEGETATION MEASURES SHALL CONSIST OF THE FOLLOWING: SILT FENCE: SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE EFFECTIVE HEIGHT OF THE FENCE SHALL NOT EXCEED 36 INCHES. IT IS RECOMMENDED THAT SILT FENCE BE REMOVED BY CUTTING THE FENCE MATERIALS AT GROUND LEVEL SO AS TO AVOID ADDITIONAL SOIL DISTURBANCE. STOCKPILES OF SOIL OR SUBSOIL SHALL BE WITH A FOUR-INCH LAYER OF WOOD WASTE RE-ESTABLISHED PRIOR TO ANY RAINFALL. , FEET FROM ANY NATURAL RESOURCES. <u>EROSION CONTROL MIX:</u> SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THE MIX SHALL CONSIST PRIMARILY OF ORGANIC MATERIAL AND CONTAIN A WELL—GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4 INCHES IN DIAMETER. THE MIX COMPOSITION SHALL MEET THE STANDARDS DESCRIBED WITHIN THE MDEP BEST MANAGEMENT PRACTICES. NO TRENCHING IS <u>HAY BALES:</u> SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. BALES SHALL BE WIRE—BOUND OR STRING—TIED AND THESE BINDINGS MUST REMAIN PARALLEL WITH THE GROUND SURFACE DURING INSTALLATION TO PREVENT DETERIORATION OF THE BINDINGS. BALES SHALL BE INSTALLED WITHIN A MINIMUM 4 INCH DEEP TRENCH LINE WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF SHALL BE MULCHED USING TEMPORARY MULCHING (AS DESCRIBED IN PART 1. OF THIS SECTION) WITHIN TO ANY STORM EVENT. SEDIMENT BARRIERS (AS DESCRIBED IN PART 4. OF THIS SECTION) SHALL BE PICESOURCE AND THE DISTURBED AREA.

PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET RESOURCE. <u>CONTINUOUS CONTAINED BERM:</u> SHALL BE INSTALLED PER THE DETAIL ON THE PLANS. THIS SEDIMENT BARRIER IS EROSION CONTROL MIX PLACED WITHIN A SYNTHETIC TUBULAR NETTING AND PERFORMS AS A STURDY SEDIMENT BARRIER THAT WORKS WELL ON HARD GROUND SUCH AS FROZEN CONDITIONS, TRAVELED AREAS OR PAVEMENT. NO TRENCHING IS REQUIRED FOR INSTALLATION OF THIS BARRIER. PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, SEDIMENT BARRIERS SHALL BE STAKED ACROSS THE SLOPE(S), ON THE CONTOUR OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR WATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. SEDIMENT BARRIERS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL EXPOSED SLOPES HAVE AT LEAST 85%—90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION. PERMANENT VEGETATION: TRENCH DEWATERING AND TEMPORARY STREAM DIVERSION SEDIMENT BAR CONSTRUCTION SHALL BE ACHIEVED BY THE USE OF WATER, PERIODICALLY SPRINKLING THE EXPOSED AS NECESSARY TO REDUCE DUST DURING THE DRY MONTHS. APPLYING OTHER DUST CONTROL PRODUCTS SUCH AS OTHER MANUFACTURED PRODUCTS ARE ALLOWED IF AUTHORIZED BY THE PROPER LOCAL, STATE AND/OR FEDERAL HOWEVER, IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO MITIGATE DUST AND SOIL LOSS FROM THE SITE. MULCHED WITH HAY OR STRAW AT EROSION CONTROL MIX. THIS WILL ANY SOIL STOCKPILE WILL NOT BE I T A RATE OF 75 LBS/1,000 S.F. (1.5 TONS PER BE DONE WITHIN 24 HOURS OF STOCKING AND PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 ACRE) OR

ANY AREAS WITHIN 100 FEET FROM ANY NEATCH, SHALL BE MULCHED BY DECEMBER DURING WINTER CONSTRUCTION, A DOUBLE CONTROL MIX) WILL BE PLACED BETWEEN PROJECTS CROSSING THE NATURAL RESOURCE. EXISTING PROJECTS NOT STABITO ENSURE FUNCTIONALITY DURING THE SI PAVEMENT, A ROAD GRAVEL BASE, 75% MATURE VEGETATION COVER OR RIPRAP BY NOVEMBER 15 THEN THE SITE NEEDS TO BE PROTECTED WITH OVER—WINTER STABILIZATION. AN AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD.

WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZED ONE TIME. LIMIT THE EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDER TAKEN DURING THE PROCEEDING 15 DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.

ALL AREAS SHALL BE CONSIDERED TO BE DENUDED UNTIL THE SUBBASE GRAVEL IS INSTALLED IN ROADWAY AREAS OR THE AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MULCHED. HAY AND STRAW MULCH RATE SHALL BE A MINIMUM OF 150 LBS./1,000 S.F. (3 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED.

THE CONTRACTOR MUST INSTALL ANY ADDED MEASURES WHICH MAY BE NECESSARY TO CONTROL EROSION/SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS.

CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSION CONTROL PROTECTION. DURING FROZEN CONDITIONS, SEDIMENT PROPER INSTALLATION OF HAY BALES STOCKPILES OF SOIL OR SUBSOIL WILL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR AT 150 LBS/1,000 S.F. (3 TONS PER ACRE) OR WITH A FOUR-INCH LAYER OF WOOD WASTE EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL.

ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.

Y NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 75% MATURE VEGETATION 3ER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH EROSION CONTROL MATS. 3LE LINE OF SEDIMENT BARRIERS (I.E. SILT FENCE BACKED WITH HAY BALES OR EROSION IN ANY NATURAL RESOURCE AND THE DISTURBED AREA.
3OURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE ABILIZED BY DECEMBER 1 SHALL BE PROTECTED WITH THE SECOND LINE OF SEDIMENT BARRIER SPRING THAW AND RAINS.

BARRIERS SHALL CONSIST OF WOOD WASTE FILTER BERMS AS FROZEN SOIL PREVENTS THE IND SEDIMENT SILT FENCES.

SLOPES SHALL NOT BE LEFT EXPOSED FOR PEG AND NETTING OR WITH EROSION CONTROL FOR AND CONTROL BE APPLIED AT A RATE (MULCH NETTING SHALL BE USED TO ANCHOUS DIRECT WINDS AND FOR ALL OTHER SLOEROSION CONTROL BLANKETS SHALL BE USEROSION CONTROL MIX CAN BE USED TO SEROSION CONTROL MIX CA ALL AREA SHALL BE CONSIDERED TO BE DENUDED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1.000 SQUARE FEET OR 3 TONS/ACRE (TWICE THE NORMAL ACCEPTED RATE OF 75-LBS./1,000 S.F. OR 1.5 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED.

MULCH SHALL NOT BE SPREAD ON TOP OF SNOW. THE SNOW WILL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION.

AFTER EACH DAY OF FINAL GRADING, THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTRO MATTING.

AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1.000 SQUARE FEET (3TONS/ACRE) AND ADEQUATELY ANCHORED THAT GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH. BETWEEN THE DATES OF SEPTEMBER 1 A ASPHALT EMULSION CHEMICAL, TRACK OR COVER IS SUFFICIENT.
AFTER NOVEMBER 1ST, MULCH AND ANCH THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL FOR ANY EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY MULCHED AND ANCHORED WITH ONTROL BLANKETS.

(TE OF 230 LBS/1,000 S.F. ON ALL SLOPES GREATER THAN 8%.

NCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED SLOPES GREATER THAN 8%.

E USED IN LIEU OF MULCH IN ALL DRAINAGE WAYS WITH SLOPES 8%.

TO SUBSTITUTE EROSION CONTROL BLANKETS ON ALL SLOPES EXCEPT DITCHES. AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, DR WOOD CELLULOSE FIBER. WHEN GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH THEN DENUDED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND LEE APPLIED AT A RATE OF 150 LB. PER 1.000 SQUARE FEET OR 3 TONS/ACRE (TWICE THE 000 S.F. OR 1.5 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED.

OF SNOW. THE SNOW WILL BE REMOVED DOWN TO A ONE—INCH DEPTH OR LESS PRIOR TO 10RING OF ALL BARE SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORK DAY.

INSTALLATION:

1. THE BARRIER MUST BE PLACED AC 2. EXISTING GROUND SHALL BE PREPALONG THE GROUND TO AVOID THE COTENTIAL OF WASH OUTS UNDE 3. THE BARRIER SHALL BE A MINIMUN AND 2 FEET WIDE FOR SLOPES LESS ACCOMMODATE THE ADDITIONAL RUNC 4. EROSION CONTROL MIX CAN BE INSTANCE OF THE ADDITIONAL RUNC AREAS, AT POINTS OF CONCENTRATEL BASINS AND CLOSED STORM SYSTEMS THAN 50 FEET FROM TOP TO BOTTOM

HIGH (AS MEASURED ON THE UPHILL SIDE) GRADE AND SHALL BE WIDER TO

Y LIE NEARLY FLAT
ORDER TO MINIMIZE

CONTROL

BERM

(LESS THAN 75% CATCH) SHALL BE REVEGETATED BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING. TEMPORARY STREAM DIVERSION AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED MENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER AND THEN MULCHED. SITE, ALL DISTURBED AREAS SHALL RECEIVE 4' OF LOAM AND SEED AT AN APPLICATION RATE DURING THE WINTER WILL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS

SEEDBED PREPARATION:
A. FOUR (4) INCHES OF LOAM SHALL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY LUMPS, STONES AND OTHER OBJECTS OVER 2 INCHES OR LARGER IN ANY DIMENSION, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTIONABLE MATERIAL.

SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING TO DETERMINE FERTILIZATION REQUIREMENTS. SOILS TESTS SHALL BE TAKEN PROMPTLY AS TO NOT INTERFERE WITH THE 14-DAY LIMIT ON SOIL EXPOSURE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE SOIL PRIOR TO FINAL SEEDING. IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS FOLLOWS:

WATER FROM CONSTRUCTION TRENCH DE SECONDARY CONTAINMENT STRUCTURE (TO AVOID FLOODING, ICING, AND SEDIME CONTAINMENT STRUCTURE BE LOCATED EWATERING OR TEMPORARY STREAM DIVERSION WILL PASS FIRST THROUGH A FILTER BAG OR (E.G. HAY BALE LINED POOL) PRIOR TO DISCHARGE. THE DISCHARGE SITE SHALL BE SELECTED INT DISCHARGES TO A PROTECTED RESOURCE. IN NO CASE SHALL THE FILTER BAG OR WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE. LIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW NOFF, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED TORM REPAIRS AS NEEDED TO INSURE THEIR CONTINUOUS FUNCTION.

JAL SEEDING AND MULCHING, THE CONTRACTOR SHALL IN THE SPRING INSPECT AND REPAIR OF SPOTS. ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 90% OF AREAS

STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS —— BY SEPTEMBER 15 THE CONTRACTOR WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15%. IF THE CONTRACTOR FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.

A.STABILIZE THE SOIL WITH TEMPORARY VEGETATION —— BY OCTOBER 1 THE CONTRACTOR WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE APPLICANT WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 15, THEN THE APPLICANT WILL MULCH THE AREA FOR OVER—WINTER PROTECTION AS DESCRIBED IN ITEM 3(C.) OF THIS STANDARD.

STANDARDS FOR TIMELY STABILIZATION:

NOTE: A SPECIFIC SEED MIXTURE SHOULD BE CHOSEN TO MATCH THE SOILS CONDITION OF RECOMMEND SEED MIXTURES. MDEP RECOMMENDED SEED MIXTURES ARE IN THE EROSION 3/2003 OR LATER.

AND SEDIMENT CONTROL BMP MANUAL

 SEED TYPE
 APPLICATION RATE

 CREEPING RED FESCUE
 0.46 LBS/1,000 S.F. (20 LBS/ACRE)

 REDTOP
 0.05 LBS/1,000 S.F. (20 LBS/ACRE)

 TALL FESCUE
 0.46 LBS/1,000 S.F. (20 LBS/ACRE)

 L:
 0.97 LBS/1,000 S.F. (42 LBS/ACRE)

CONDUCTED BETWEEN APRIL 1ST AND OCTOBER 1ST OF FOLLOWS: (MDEP SEED MIX 2 IS DISPLAYED)

WORK LIME AND FERTILIZER INTO THE AREA TO FIRM THE SEEDBED EXCEPT

SOIL AS NEARLY AS PRACTICAL TO A DEPTH ON CLAY OR SILTY SOILS OR COARSE SAND.

GROUND LIMESTONE (50% CALCIUM & MAGNESIUM OXIDE)

138 LBS./1,000 S.F.

18.4 LBS./1,000

DATES ARE SUBJECT TO CHAI INSPECTIONS/MONITORING: 1. MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, OR AT LEAST EVERY SEVEN (7) DAYS, THE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES. THE CONTRACTOR SHALL PERFORM REPAIRS AS NEEDED TO ALLOW CONTINUED PROPER FUNCTIONING OF THE EROSION CONTROL MEASURE. THE CONTRACTOR SHALL PROVIDE THE NECESSARY REGULATING AGENCIES WITH WRITTEN DOCUMENTATION DESCRIBING DATES OF INSPECTIONS AND NECESSARY FOLLOW—UP WORK TO MAINTAIN EROSION CONTROL MEASURES MEETING THE REQUIREMENTS OF THIS PLAN. REMOVAL OF EROSION CONTROL DEVICES. START FINAL SEEDING ON PREPARED AREAS. (DURING GROWING SEASON.) RE-SEEDING OF BIWEEKLY MONITORING OF VEGETATIVE GROWTH. SITE EXCAVATION AREAS, THE DISCRETION OF THE ENGINEER, DEPENDING ON CONSTRUCTION PROGRESS WEEK 24 WEEK 2 -WEEK 20 UPON FINAL PROJECT COMPLETION WEEK 18 MONTHS WEEK 4

EROSION CONTROL APPLICATIONS & MEASURES
THE PLACEMENT OF EROSION CONTROL MEASURES SHALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED MANAGEMENT PRACTICES AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND DETAILS IN THE PLAN SET.

IN BEST

WINTER EROSION

CONTROL

MEASURES

FOLLOWING THE TEMPORARY AND/OR FINAL SEEDINGS, THE CONTRACTOR SHALL INSPECT THE WORK AREA SEMIMONTHLY UNTIL THE SEEDINGS HAVE BEEN ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 85%—90% OF AREAS VEGETATED WITH VIGOROUS GROWTH. RESEEDING SHALL BE CARRIED OUT BY THE CONTRACTOR WITH FOLLOW—UP INSPECTIONS IN THE EVENT OF ANY FAILURES UNTIL VEGETATION IS ADEQUATELY ESTABLISHED.

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2007 DEPENDING UPON DING IMPROVEMENTS.

THE CONTRACTOR MUST INSTALL ANY ADDED MEASURES WHICH MAY BE NECESSARY TO CONTROL EROSION/SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS.
CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE ARE BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSION CONTROL PROTECTION.

AREAS UNDERGOING ACTUAL CONSTRUCTION SHALL ONLY EXPOSE THAT AMOUNT OF MINERAL SOIL NECESSARY FOR PROGRESSIVE AND EFFICIENT CONSTRUCTION. AN AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD. OPEN AREAS SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL AS SHOWN ON THE DESIGN PLANS AND AS DESCRIBED WITHIN THIS EROSION CONTROL PLAN WITHIN 14-DAYS OF DISTURBANCE. AREAS LOCATED WITHIN 100' OF STREAMS SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL WITHIN SEVEN (7) DAYS. REFER TO WINTER EROSION CONTROL NOTES FOR THE TREATMENT OF OPEN AREAS AFTER OCTOBER 1ST OF THE CONSTRUCTION YEAR.

RIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE AND MARKED UP PLAN INDICATING AREAS AND COMPONENTS OF THE WORK AND KEY DATES SHOWING DATE OF DISTURBANCE AND COMPLETION OF THE WORK. THE CONTRACTOR SHALL CHEDULE A PRE—CONSTRUCTION MEETING WITH THE MUNICIPAL STAFF. THREE COPIES OF THE SCHEDULE AND MARKED UP PLAN SHALL BE PROVIDED TO THE MUNICIPALITY THREE DAYS PRIOR TO THE SCHEDULED PRE—CONSTRUCTION MEETING. SPECIAL ATTENTION SHALL BE VEN TO THE 14 DAY LIMIT OF DISTURBANCE IN THE SCHEDULE ADDRESSING TEMPORARY AND PERMANENT VEGETATION MEASURES.

RIOR TO THE BEGINNING OF ANY CONSTRUCTION, SEDIMENT BARRIERS (SILT FEND IN THE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AN INE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AN JATERCOURSE TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. THE PLAN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST MANAGEMENT PRACTICE: LAN AND DETAILS IN THIS PLAN SET. THIS NETWORK IS TO BE MAINTAINED BY EAST 85%—90% VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION. EMOVED WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED.

BARRIER 4. LAY THE TOE—IN FLAP OF FABRIC BACKFILL THE TRENCH AND TAMP LAYING THE FABRIC FLAP ON UNDITHE BASE, BUT MUST BE ACCOMP.

5. JOIN SECTION AS SHOWN ABOVE.

6. BARRIER SHALL BE MIRAFI SILT FET

2. UNROLL A SECTION AT A TIME WALL OF THE TRENCH.

THE POSTS

AGAINST THE BACK (DOWNSTREAM)

ACEMENT FOR

SECTION A

MATELY 2"

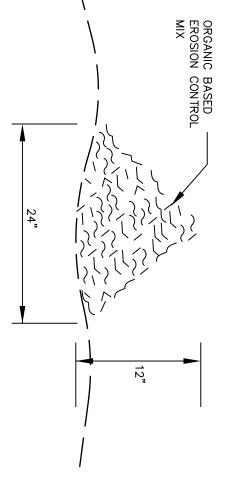
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AT BY

A 6"x 6" TRENCH AL

INSTALLATION:

3. DRIVE POSTS INTO THE GROUND TRENCH BOTTOM.



0635 1 DATE SHEET DESCRIPTION BECKY'S DINER EXPANSION
390 COMMERCIAL STREET
PORTLAND, ME 04104 EROSION CONTROL DETAILS REBECCA RAND

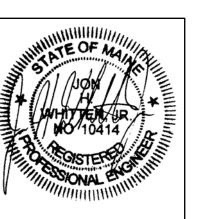
3 PINE GROVE STREET

FALMOUTH, ME 04105

TERRADYN CONSULTANTS L.L.C. LAND PLANNING • STORMWATER DESIGN • ENVIRONMENTAL PERMITTING

> P.O. BOX 339 NEW GLOUCESTER, ME 04260 phone: (207) 272-7571 email: TERRADYN@MAINE.RR.COM

4	11-07-06	ADDED GRANITE CURBING TO THE DESIGN	
3	10-13-06	REVISED PER CITY REVIEW COMMENTS	
2	09-07-06	SUBMITTED TO CITY FOR SITE PLAN REVIEW	
1	07-26-06	SUBMITTED TO MDEP AS SUPLEMENT TO NRPA PERMIT APPLICATION	
NO.	DATE	REVISIONS	



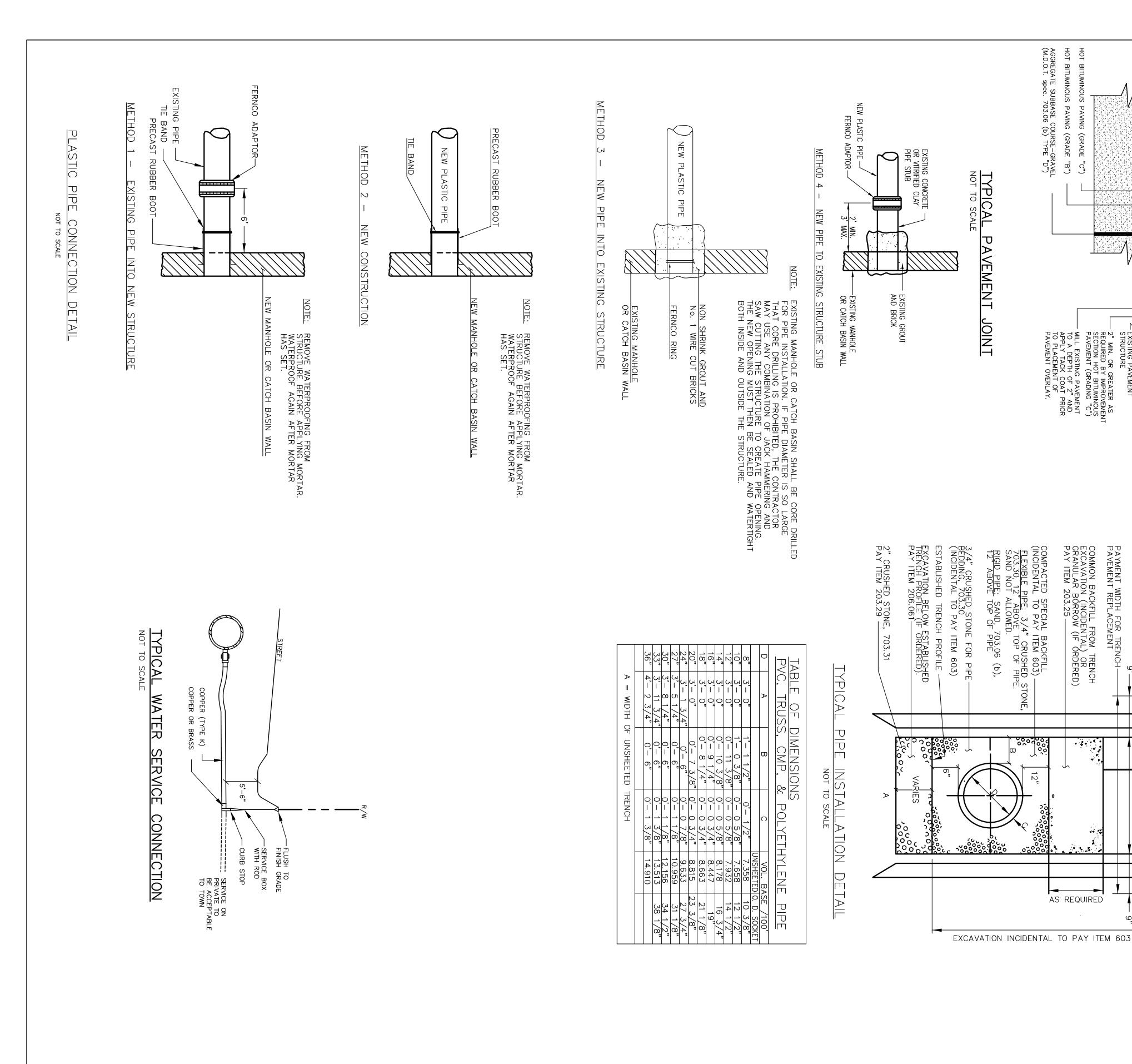
JHW

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JHW

JHW

APP'D BY





LOCATIONS OF UTILITIES ARE APPROXIMATE.

PROPOSED ROADWAY
TYPICAL ROAD SECTION)

3'-0"

-SAW CUT AND APPLY TACK COAT (M.D.O.T. SPEC. SECTON 409)

NOTE:
ANY ALTERNATE TRENCHING OF
PAYMENT METHODS SHALL BE
APPROVED IN ADVANCE BY THE

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CITY

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PAYMENT WIDTH FOR TRENCH PAVEMENT REPLACEMENT

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL START OF CONSTRUCTION. THE UTILITIES LOCATE THEIR SERVICES PRIOR
- PRIOR TO THE BEGINNING OF FROM THE PORTLAND PUBLIC CONSTRUCTION, THE CONTRACTOR SHALL SECURE A STREET OPENING PERMIT WORKS DEPARTMENT. NO FEE WILL BE CHARGED FOR THIS PERMIT.
- ALL THE UTILITY WORK SHALI BE DONE BY OTHERS.
- ALL EXISTING CATCH BASINS, OPERATING CONDITION AFTER WORK. PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED AND SHALL NOT BE DISTURBED IF DISTURBED, THEY SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE. MANHOLES, CONNECTIONS, AND OUTLET PIPING SHALL BE CLEANED AND LEFT IN SATISFACTORY CONSTRUCTION HAS BEEN COMPLETED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS

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- ALL LAWN AREAS, WALKWAYS, AND DRIVEWAYS OUTSIDE THE WORK AREA, DAMAGED BY THE CONTRACTOR, SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE CITY. ON THE PROJECT
- EXISTING PAVEMENT SHALL BE SAW CUT AND BUTTED TO THE NEW PAVEMENT. NO FEATHERING WILL BE PERMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL TREES AND SHRUBS WHICH ARE NOT TO BE REMOVED. 유 PAVEMENT
- EXISTING DRAINAGE STRUCTURES SHALL NOT BE DISTURBED UNLESS OTHERWISE NOTED.
- ALL EXISTING DRAINAGE PIPES TO BE ABANDONED SHALL BE PLUGGED WITH CONCRETE OR AS DIRECTED BY THE PROJECT ENGINEER. 품 SEWER
- NO ADDITIONAL PAYMENT WILL BE MADE FOR GRADING SIDE SLOPES OF DRIVEWAYS. BEFORE CONNECTING NEW PIPES TO AN EXISTING SEWER LINE, THE CONTRACTOR SHALL NOTIFY MAINTENANCE DIVISION OF THE PORTLAND PUBLIC WORKS DEPARTMENT. <u>NO WORK SHALL BE</u> DONE WITHOUT THEIR APPROVAL.

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- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY TRENCH PAVEMENT THAT HAS EXPERIENCED EXCESSIVE SETTLEMENT, CRACKING, OR OPENING OF JOINTS. REPAIRS MAY INCLUDE OVERLAY, REMOVAL OF UNACCEPTABLE MATERIALS, COMPLETE REPLACEMENT, JOINT SEALING, OR REBUTTING PAVEMENT AS REQUIRED. THIS WORK MAY BE NECESSARY AFTER THE FINAL ACCEPTANCE OF WORK OR PRIOR TO THE END OF THE ONE YEAR GUARANTEE. THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- ALL MANHOLE FRAMES SHALL BE SUPPLIED WITH SOLID MANHOLE COVERS; SEE STANDARD DETAIL
- NEW CATCH BASINS SHALL BE INSTALLED WITH A TYPE A-4 CATCH BASIN INLET STONE.
- ADDITIONAL PAYMENT WILL BE MADE FOR THE REMOVAL OF EXISTING PIPES.
- GRANITE CATCH BASIN STONES, MANHOLE FRAMES AND COVERS TO BE REMOVED SHALL BE DELIVERED TO THE STOCK YARD AS DIRECTED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK. THESE EXISTING MATERIALS BE REUSED AS DIRECTED BY THE PROJECT ENGINEER.

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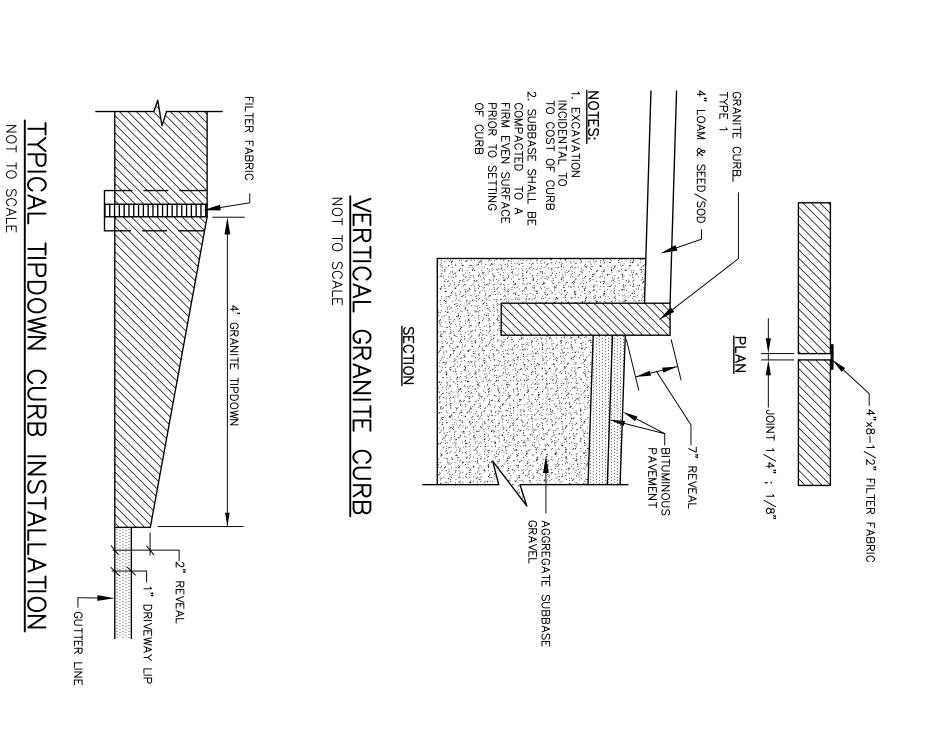
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- TERMINAL MANHOLES SHALL HAVE CHANNELS CONSTRUCTED STRAIGHT THROUGH THE MANHOLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND RECONNECTING EXISTING SEWER LATERALS TO NEW SEWER. PAYMENT WILL BE UNDER THE RESPECTIVE UNIT BID ITEM AS SPECIFIED IN THE CONTRACT DOCUMENT.

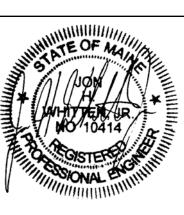


10-01-0 SCALE N.T.S.	DATE	JOB NO.	SHEET DESCRIPTION BECKY'S DINER EXPANSION 390 COMMERCIAL STREET PORTLAND, ME 04104
6			DETAIL SHEET
OF 4	4	SHEET	PREPARED FOR RECORD OWNER: REBECCA RAND 3 PINE GROVE STREET FALMOUTH, ME 04105
	CA	CAI	OB NO. 0635 DATE 10-01-06 CALE N.T.S.

TERRADYN CONSULTANTS I LAND PLANNING • STORMWATER DESIGN • ENVIRONMENTAL PERMITTING

P.O. BOX 339 NEW GLOUCESTER, ME 04260 phone: (207) 272-7571 email: TERRADYN@MAINE.RR.COM

4	11-07-06	ADDED GRANITE CURBING TO THE DESIGN
3	10-13-06	REVISED PER CITY REVIEW COMMENTS
2	09-07-06	SUBMITTED TO CITY FOR SITE PLAN REVIEW
1	07-26-06	SUBMITTED TO MDEP AS SUPLEMENT TO NRPA PERMIT APPLICATION
NO.	DATE	REVISIONS



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