
















20 FOUNDRY STREET, CONCORD, NEW HAMPSHIRE 03301
(603) 229-1900 FAX (603) 229-1919

4. EXISTING UTILITIES LOCATED AROUND THE HEAVY EQUIPMENT MAINTENANCE FACILITY AND TRAINING FACILITY ARE FROM ACTUAL ON-THE-GROUND SURVEY DONE WITH A COMBINATION OF GPS RTK AND CONVENTIONAL SURVEY METHODS, CONDUCTED BY WSP ON OCTOBER 8, OCTOBER 10, OCTOBER 27, 2014 AND SEPTEMBER 22, 2015.

	EXISTING 10-FOOT ELEVATION CONTOUR
	EXISTING 2-FOOT ELEVATION CONTOUR
	PROPERTY LINE
	EXISTING UNDERGROUND ELECTRIC CONDUIT
	OVERHEAD ELECTRIC CONDUIT
	EXISTING SEWER
	EXISTING WATER
	EXISTING GAS
	EXISTING CATCH BASIN
	TREE LINE
	WATER LINE
	WETLAND AREA
	EXISTING PAVEMENT



DATE:



A	06/24/16	UPDATED TOPOGRAPHY WITH GROUND SURVEY. ADDED WETLAND SCIENTIST STAMP.	LCT
A	01/11/16	MODIFIED PLAN REFERENCE NOTES. ADDED DRAINAGE CULVERT AND SEWER INFORMATION. ADDED FINISHED FLOOR ELEVATION	KMW
NO.	DATE	DESCRIPTION	BY

DRAWN BY: L. TEAL
DESIGNED BY: L. TEAL
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2015














HEAVY EQUIPMENT
MAINTENANCE WASH BAY ADDITION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

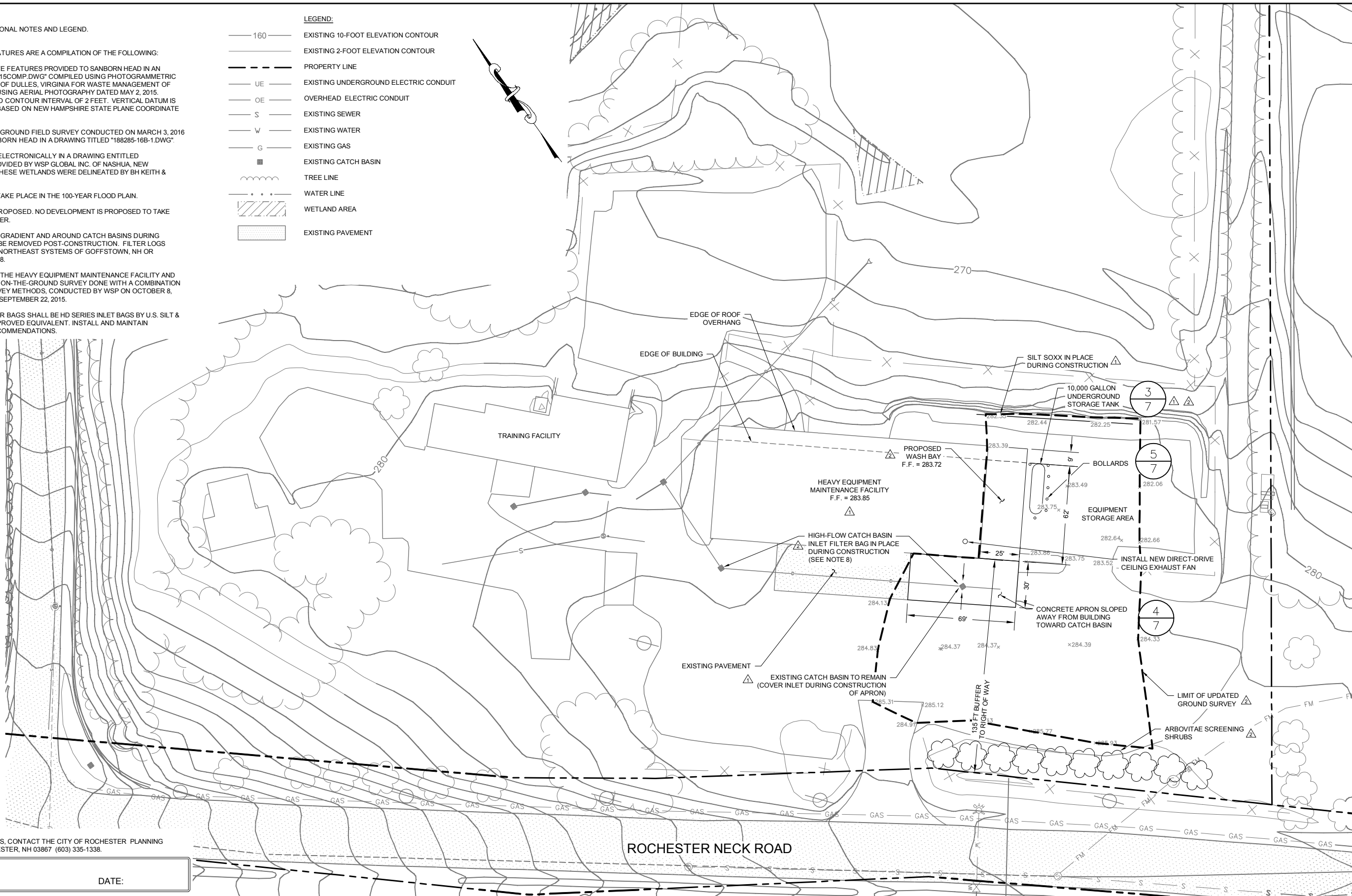
EXISTING CONDITIONS PLAN

3534.05

2 OF 8

8. HIGH-FLOW CATCH BASIN INLET FILTER BAGS SHALL BE HD SERIES INLET BAGS BY U.S. SILT & SITE SUPPLY OF CONCORD, NH OR APPROVED EQUIVALENT. INSTALL AND MAINTAIN ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

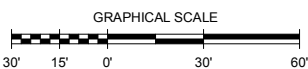
	EXISTING 10-FOOT ELEVATION CONTOUR
	EXISTING 2-FOOT ELEVATION CONTOUR
	PROPERTY LINE
	EXISTING UNDERGROUND ELECTRIC CONDUIT
	OVERHEAD ELECTRIC CONDUIT
	EXISTING SEWER
	EXISTING WATER
	EXISTING GAS
	EXISTING CATCH BASIN
	TREE LINE
	WATER LINE
	WETLAND AREA
	EXISTING PAVEMENT



FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:

DATE:



A	08/24/16	UPDATED TOPOGRAPHY. ADDED CEILING EXHAUST. MODIFIED FINISHED FLOOR ELEVATION. ADJUSTED UST LOCATION. ADDED LANDSCAPING TREES. ADDED INLET FILTER BAGS. ADDED NOTE 8. MODIFIED NOTE 2B	LCT	
	A	01/11/16	MODIFIED PLAN REFERENCE NOTES. ADDED FINISHED FLOOR ELEVATION. MODIFIED CALLOUTS. MOVED TANK. ADDED BOLLARDS. ADDED SLOPE ARROWS TO PAD.	KMW/LC
			ADDED SILT SOXX.	
NO.	DATE	DESCRIPTION	BY	

DRAWN BY: L. TEAL/K. WESTHAVER
DESIGNED BY: L. TEAL
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2015

HEAVY EQUIPMENT
MAINTENANCE WASH BAY ADDITION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

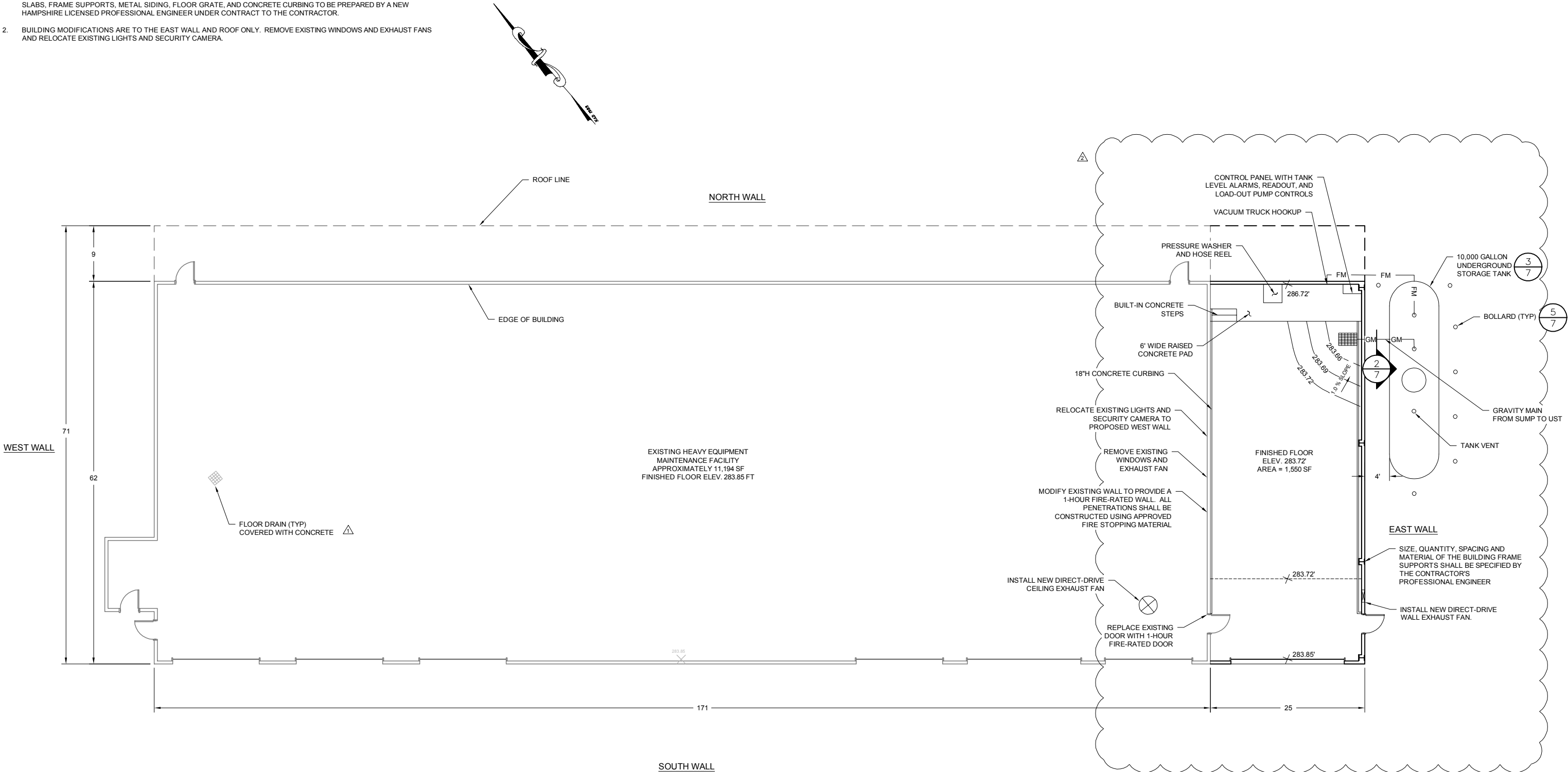
PROPOSED DEVELOPMENT PLAN

PROJECT NUMBER:	3534.05
SHEET NUMBER:	3 OF 8

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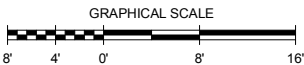
NOTES:

1. ADDITION TO THE EXISTING PRE-ENGINEERED BUILDING, INCLUDING BUT NOT LIMITED TO FOUNDATIONS, FLOOR SLABS, FRAME SUPPORTS, METAL SIDING, FLOOR GRATE, AND CONCRETE CURBING TO BE PREPARED BY A NEW HAMPSHIRE LICENSED PROFESSIONAL ENGINEER UNDER CONTRACT TO THE CONTRACTOR.
2. BUILDING MODIFICATIONS ARE TO THE EAST WALL AND ROOF ONLY. REMOVE EXISTING WINDOWS AND EXHAUST FANS AND RELOCATE EXISTING LIGHTS AND SECURITY CAMERA.



FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD	DATE:
APPROVAL CERTIFIED BY:	



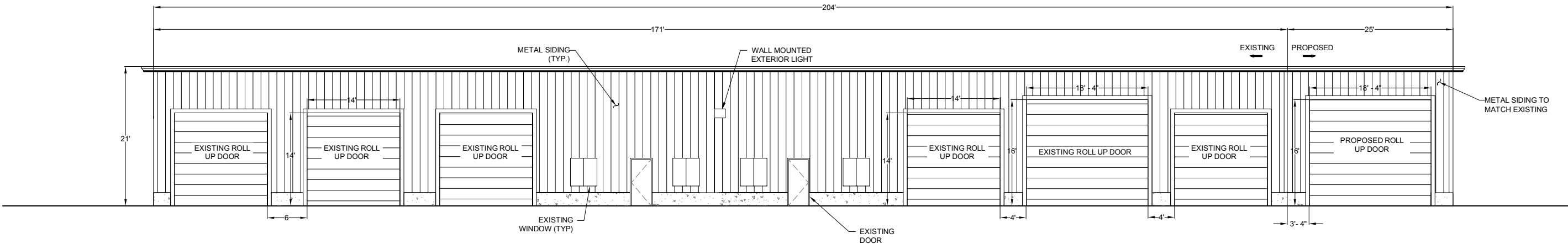
NO.	DATE	DESCRIPTION	BY
△	06/24/16	MODIFIED SUMP LOCATION AND SLOPE OF FLOOR; ADD CEILING EXHAUST FAN.	LCT
△	01/11/16	MOVED TANK, ADDED SPOT ELEVATIONS. MOVED TRUCK WASHING EQUIPMENT.	KMW/LCT
		MODIFIED EXISTING FLOOR DRAIN NOTE.	

DRAWN BY: L. TEAL
DESIGNED BY: L. TEAL
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2015

HEAVY EQUIPMENT MAINTENANCE WASH BAY ADDITION WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. ROCHESTER, NEW HAMPSHIRE	PROJECT NUMBER: 3534.05
BUILDING FLOOR PLAN	SHEET NUMBER: 4 OF 8

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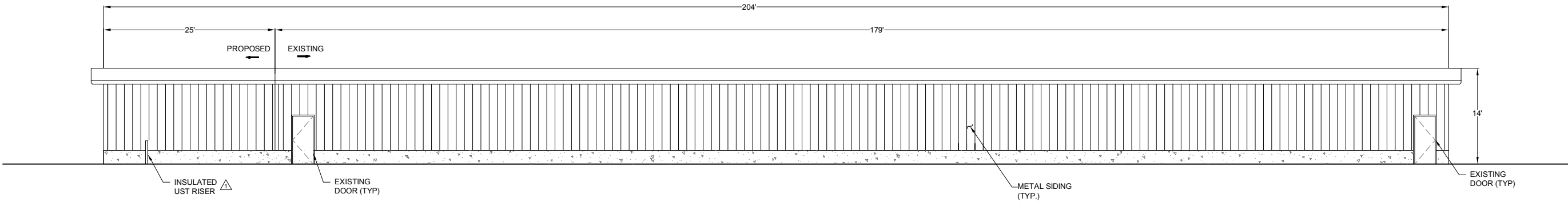
- NOTE:
1. ADDITION TO THE EXISTING PRE-ENGINEERED BUILDING, INCLUDING FOUNDATIONS, TO BE PREPARED BY A NEW HAMPSHIRE LICENSED PROFESSIONAL ENGINEER UNDER CONTRACT TO THE CONTRACTOR.
 2. BUILDING MODIFICATIONS ARE TO THE EAST WALL ONLY. REMOVE EXISTING WINDOWS AND RELOCATE EXISTING LIGHTS AND SECURITY CAMERA.



1 SOUTH WALL BUILDING ELEVATION

SCALE: 1" = 8'

BUILDING MODIFICATIONS PROPOSED



2 NORTH WALL BUILDING ELEVATION

SCALE: 1" = 8'

BUILDING MODIFICATIONS PROPOSED

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:

DATE:

SANBORN HEAD

SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY
1	01/11/16	MOVED RISER IN DETAIL 2.	KMW

DRAWN BY: K. WESTHAVER
DESIGNED BY: K. WESTHAVER
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2015

HEAVY EQUIPMENT
MAINTENANCE WASH BAY ADDITION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

BUILDING ELEVATIONS

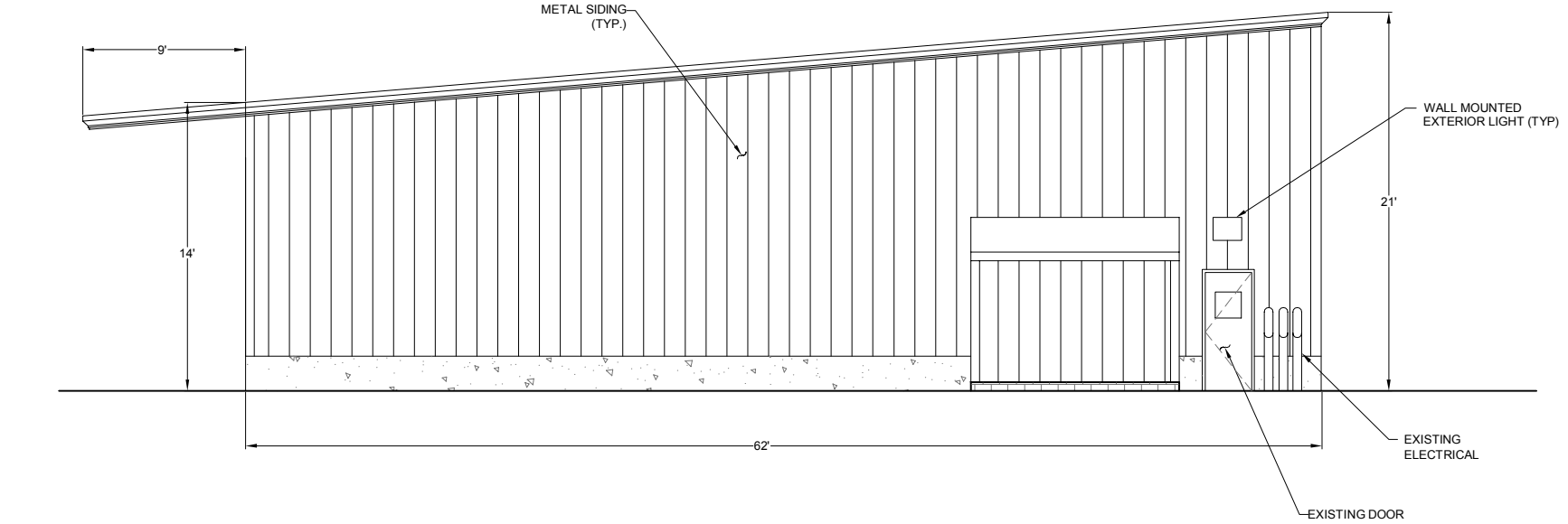
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3534.05

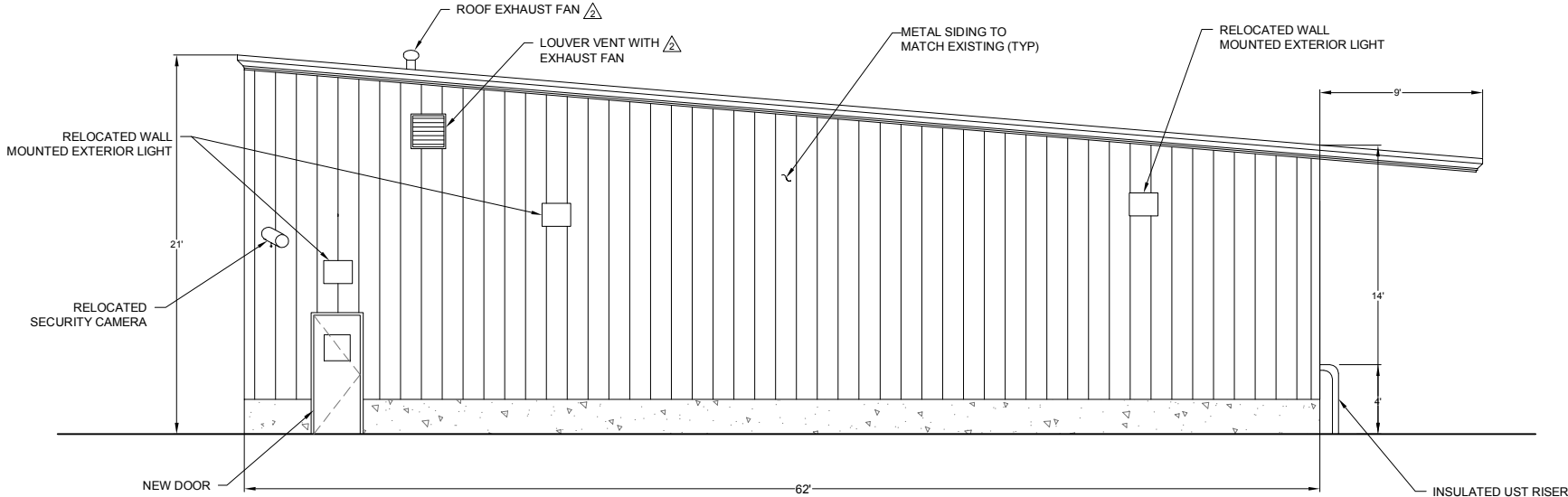
SHEET NUMBER:

5 OF 8

- NOTE:
1. ADDITION TO THE EXISTING PRE-ENGINEERED BUILDING, INCLUDING FOUNDATIONS, TO BE PREPARED BY A NEW HAMPSHIRE LICENSED PROFESSIONAL ENGINEER UNDER CONTRACT TO THE CONTRACTOR.
 2. BUILDING MODIFICATIONS ARE TO THE EAST WALL ONLY. REMOVE EXISTING WINDOWS AND RELOCATE EXISTING LIGHTS AND SECURITY CAMERA.



1 WEST BUILDING WALL ELEVATION
SCALE: 1" = 5' NO BUILDING MODIFICATIONS PROPOSED



2 EAST BUILDING WALL ELEVATION
SCALE: 1" = 5' BUILDING MODIFICATIONS PROPOSED

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____ DATE: _____



SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY
1	08/24/16	EAST BUILDING LAYOUT. ADDED ROOF EXHAUST FAN AND LOUVER VENT	LCT

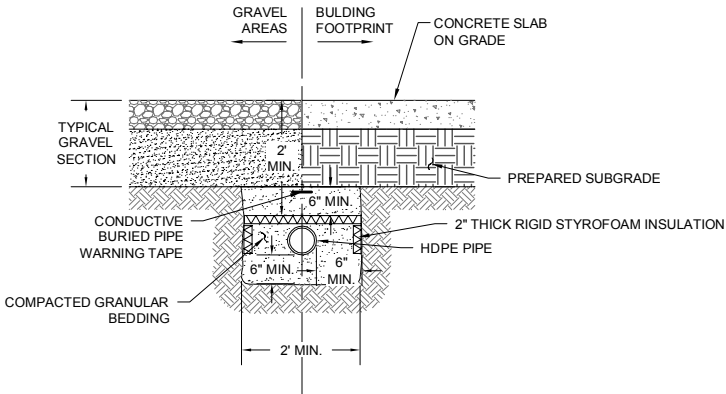
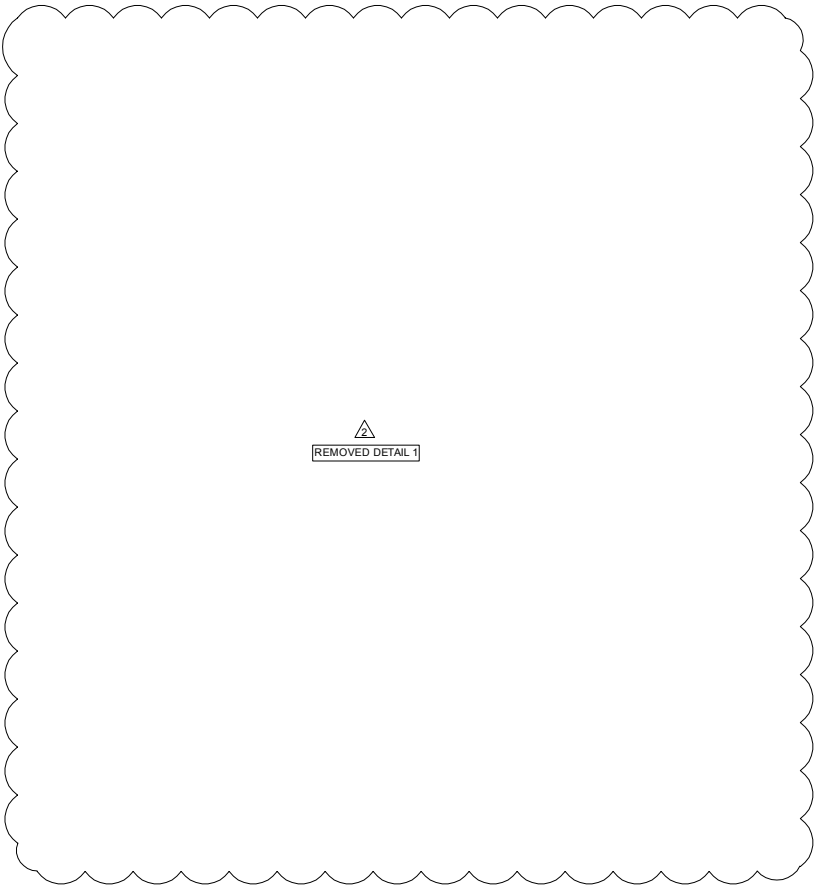
DRAWN BY: K. WESTHAVER
DESIGNED BY: K. WESTHAVER
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2015

HEAVY EQUIPMENT
MAINTENANCE WASH BAY ADDITION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

BUILDING ELEVATIONS

PROJECT NUMBER:
3534.05
SHEET NUMBER:
6 OF 8

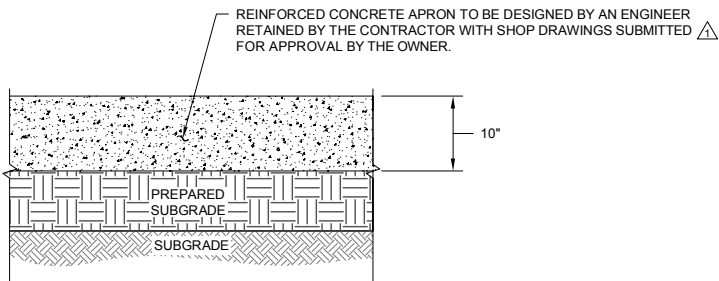
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LAYOUT OF
PLOT DATE: 8-25-15 11:57 AM



FORCE MAIN OR GRAVITY MAIN COLLECTION PIPE TRENCH

2

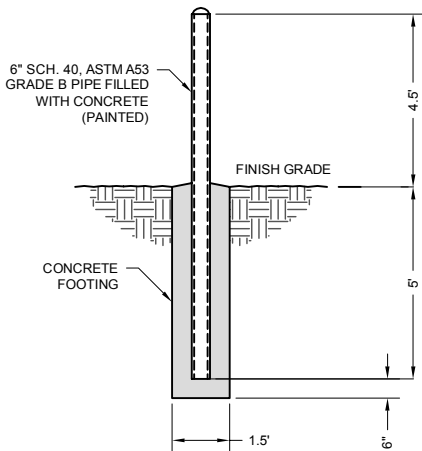
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CONCRETE APRON

4

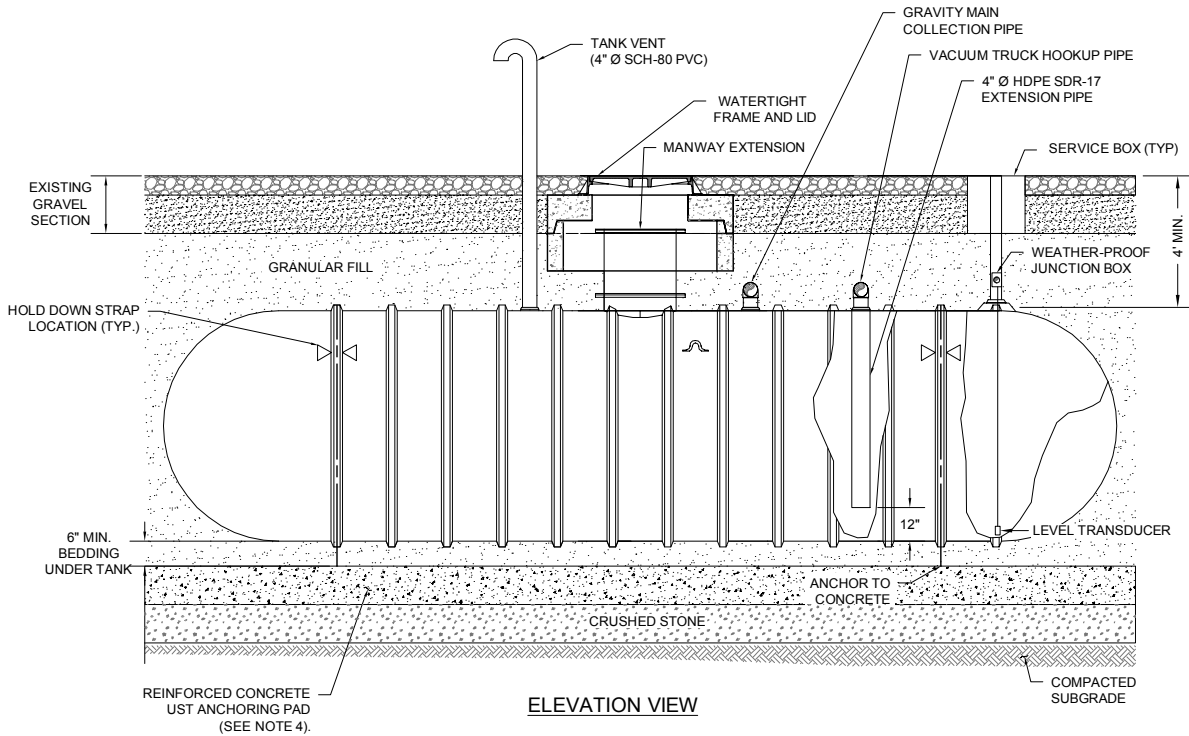
NOT TO SCALE



BOLLARD DETAIL

5

NOT TO SCALE



ELEVATION VIEW

STORAGE TANK NOTES:

1. UNDERGROUND STORAGE TANK SHALL BE SINGLE WALLED CONSTRUCTED FROM FIBERGLASS OR POLYETHYLENE COATING.
2. TRANSDUCER SHALL PROVIDE HIGH AND HIGH-HIGH VISUAL AND AUDIO ALARMS AS WELL AS ELEVATION READOUT.
3. INSIDE TANK, RISERS AND MANWAY TO BE COATED WITH A 2-COMPONENT, SOLVENT-FREE POLYURETHANE RESIN.
4. BALLAST PAD SIZE, CRUSHED STONE BASE, ANCHORING, REINFORCEMENT AND CONCRETE MIX TO BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR WITH SHOP DRAWINGS SUBMITTED FOR APPROVAL BY THE OWNER BASED ON TANK SYSTEM.

UNDERGROUND STORAGE TANK

3

NOT TO SCALE

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY:

DATE:

SANBORN HEAD

SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY
1	06/24/16	MODIFIED DETAILS 3 AND 4. REMOVED DETAIL 1.	LCT
2	01/11/16	ADDED DETAIL 5. MODIFIED DETAILS 2 - 4.	KMW/LCT

DRAWN BY: L. TEAL
DESIGNED BY: L. TEAL
REVIEWED BY: E. STEINHAUSER
PROJECT MGR: T. REED
PIC: E. STEINHAUSER
DATE: NOVEMBER 2015

HEAVY EQUIPMENT
MAINTENANCE WASH BAY ADDITION
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
ROCHESTER, NEW HAMPSHIRE

PROJECT NUMBER:

3534.05

DETAILS

SHEET NUMBER:

7 OF 8

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LAYOUT: 08
PLOT DATE: 2-25-16 1:59:44
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PLOT DATE: 2-25-16 1:59:44

GENERAL NOTES:

- THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. THE TERM "STABLE" IS DEFINED AS MEETING ONE OF THE FOLLOWING CRITERIA:
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE RIPRAP HAS BEEN INSTALLED; OR
 - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- APPLY SEED, LIME, FERTILIZER, AND HAY MULCH TO DISTURBED AREAS, NEWLY-PLACED FILL SLOPES, AND GRASS-LINED SWALES WITHIN SEVEN DAYS OF ACHIEVING FINAL GRADE. HAY MULCH SHALL BE APPLIED AT THE RATE OF 1.5 TO 2 TONS PER ACRE.
- SILT FENCE/HAY BALE EROSION CONTROL STRUCTURES SHALL BE INSTALLED AT THE DISCRETION OF ENGINEER. SILT FENCE SHALL BE INSTALLED ALONG THE CONTOUR AND TOED UPSLOPE. SILT FENCE/HAY BALE BARRIERS ARE TO BE MAINTAINED AND CLEANED UNTIL VEGETATIVE COVER IS ESTABLISHED.
- ALL EROSION CONTROLS SUCH AS SILT FENCE SHALL BE INSPECTED WEEKLY DURING THE LIFE OF THE PROJECT AND AFTER EACH STORM EVENT WHICH PRODUCES 0.5 INCHES OF RAINFALL. ALL DAMAGED SILT FENCE SHALL BE REPAIRED PROMPTLY.
- TRACK UP AND DOWN REGRADED SLOPES (GROUSER TRACKS PERPENDICULAR TO THE SLOPE) WITH A BULLDOZER TO LIMIT EROSION.
- REMOVE SEDIMENT BUILD UP FROM BEHIND EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES UNTIL FULL ESTABLISHMENT OF PERMANENT GROUND COVER.
- DITCHES AND SWALES SHALL BE STABILIZED BEFORE RUNOFF IS DIRECTED TO THEM.
- ALL ROADWAY AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- ALL CUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

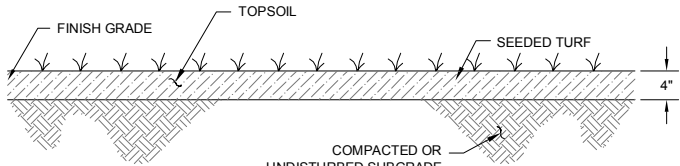
SPECIFICATIONS:

TOPSOIL AND SEEDING MATERIALS

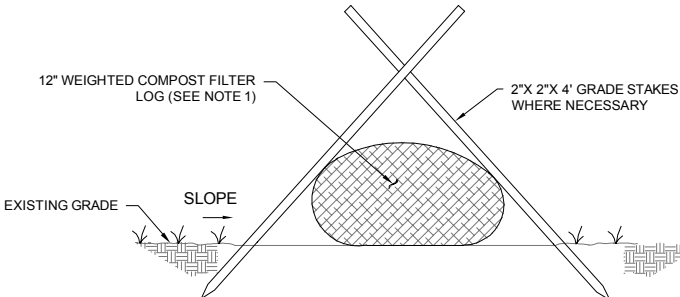
- TOPSOIL SHALL BE FERTILE SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, FREE FROM STONES GREATER THAN 3 INCHES, ROOTS, STICKS, PEAT, WEEDS, AND SOD. IT SHALL NOT CONTAIN MATERIAL HARMFUL TO PLANT GROWTH.
- FERTILIZER SHALL BE LOW PHOSPHATE AND SLOW RELEASE NITROGEN AND APPLIED UNIFORMLY OVER THE DISTURBED AREA AT A RATE OF ELEVEN (11) POUNDS PER 1,000 SQUARE FEET (500 POUNDS PER ACRE).
- GRASS SHALL BE FROM THE SAME OR PREVIOUS YEAR'S CROP; EACH VARIETY OF SEED SHALL HAVE A PERCENTAGE OF GERMINATION NOT LESS THAN NINETY (90), A PERCENTAGE OF PURITY NOT LESS THAN EIGHTY-FIVE (85), AND SHALL HAVE NOT MORE THAN ONE PERCENT (1%) WEED CONTENT.

GRASS SEED MIX		
MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.
TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
BIRDSFOOT TREFOIL	8	0.20
TOTAL	48	1.10

- MULCH SHALL CONSIST OF DRY HAY OR STRAW AND BE FREE OF NOXIOUS WEEDS.
- APPLICATION OF FERTILIZER, LIME, SEED, AND MULCH SHALL ONLY BE PERFORMED DURING THOSE PERIODS WITHIN THE SEASONS WHICH ARE NORMAL FOR SUCH WORK AS DETERMINED BY THE WEATHER AND LOCALLY ACCEPTED PRACTICE, AND AS APPROVED BY ENGINEER.
- ANY PART OF THE SEEDED AREA WHICH FAILS TO YIELD AN ACCEPTABLE STAND OF GRASS AFTER TWO MONTHS AS DETERMINED BY OWNER SHALL BE RETREATED WITH ADDITIONAL SEED, FERTILIZER, AND MULCH.

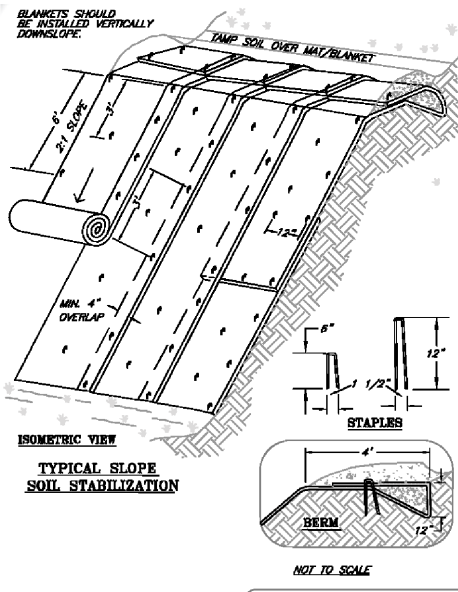


1 TYPICAL LOAM AND SEED
NOT TO SCALE

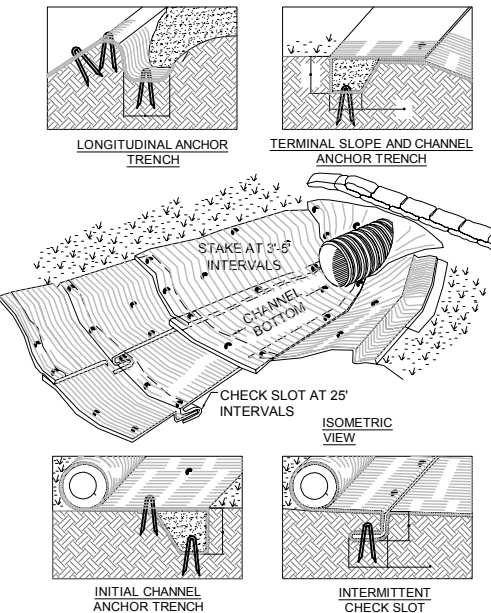


- NOTE:
- FILTER LOG SHALL BE "SILTSOXX" FROM FILTREXX NORTHEAST SYSTEMS OF GOFFSTOWN, NH OR SIMILAR
 - FILTER LOGS SHALL BE PLACED DOWN GRADIENT OF CONSTRUCTION AREAS DURING CONSTRUCTION.

ELEVATION
2 TYPICAL FILTER LOG DETAIL
NOT TO SCALE



ISOMETRIC VIEW
TYPICAL SLOPE SOIL STABILIZATION
EROSION BLANKETS SLOPE INSTALLATION
NOT TO SCALE



ISOMETRIC VIEW
LONGITUDINAL ANCHOR TRENCH
TERMINAL SLOPE AND CHANNEL ANCHOR TRENCH
STAKE AT 3' INTERVALS
CHANNEL BOTTOM
CHECK SLOT AT 25' INTERVALS
ISOMETRIC VIEW
INITIAL CHANNEL ANCHOR TRENCH
INTERMITTENT CHECK SLOT

- NOTES:
- DIMENSIONS GIVEN IN THE DRAWINGS ARE EXAMPLES; DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 - APPLY PERMINENT SEEDING BEFORE PLACING BLANKETS.
 - LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
- NOTES:
- DIMENSIONS GIVEN IN THE DRAWINGS ARE EXAMPLES; DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURER'S SPECIFICATIONS.
 - STAKING OR STAPLING LAYOUT PER MANUFACTURER'S SPECIFICATIONS.

SOURCE:

- "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3 EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" REVISION 1.0, DECEMBER 2008, PAGES 74 AND 75.

3 EROSION CONTROL BLANKET INSTALLATION
NOT TO SCALE

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 31 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____ DATE: _____

	SCALE: AS NOTED		<table><tr><td>NO.</td><td>DATE</td><td>DESCRIPTION</td><td>BY</td></tr><tr><td>1</td><td>01/11/16</td><td>REVISED DETAILS 1 AND 2</td><td>KMW</td></tr></table>	NO.	DATE	DESCRIPTION	BY	1	01/11/16	REVISED DETAILS 1 AND 2	KMW	DRAWN BY: L. TEAL DESIGNED BY: L. TEAL REVIEWED BY: E. STEINHAUSER PROJECT MGR: T. REED PIC: E. STEINHAUSER DATE: NOVEMBER 2015	HEAVY EQUIPMENT MAINTENANCE WASH BAY ADDITION WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. ROCHESTER, NEW HAMPSHIRE	PROJECT NUMBER: 3534.05
				NO.	DATE	DESCRIPTION	BY							
1	01/11/16	REVISED DETAILS 1 AND 2	KMW											
EROSION CONTROL DETAILS	SHEET NUMBER: 8 OF 8													