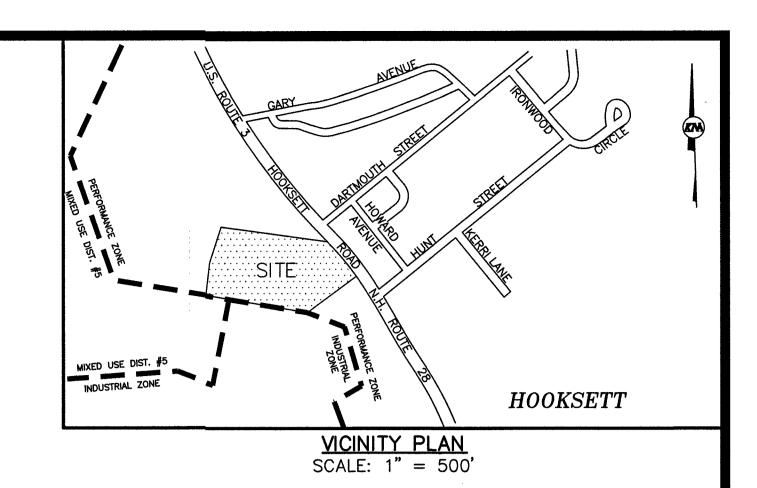
NON-RESIDENTIAL SITE PLAN PHASE 2



TRUCK AND EQUIPMENT LLC MAP 18 LOT 47 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE



OWNER:

TK PROPERTY GROUP, LLC 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE 03106

APPLICANT:

PLATINUM TRUCK AND EQUIPMENT, LLC 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE 03106

PREPARED BY:

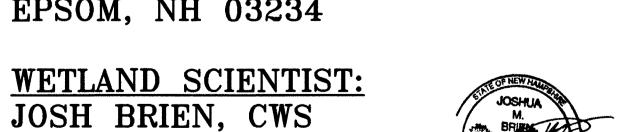
KEACH-NORDSTROM ASSOCIATES, INC. 10 COMMERCE PARK NORTH, SUITE 3B BEDFORD, NEW HAMPSHIRE 03110 (603) 627-2881

SOIL SCIENTIST:

170 KING STREET

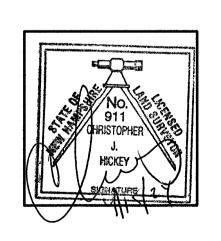
BOSCAWEN, NH 03303

LUKE HURLEY, CWS, CSS HURLEY ENVIRONMENTAL AND LAND PLANNING, LLC PO BOX 356 EPSOM, NH 03234

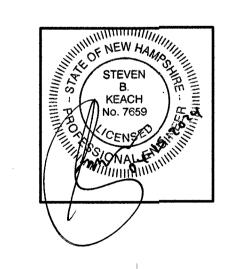












	REVISIONS				
No.	DATE	DESCRIPTION	BY		
1	3/27/24	REVISED PER REVIEW COMMENTS	MCH		
			<u> </u>		
			 		
					

DATE: DECEMBER 14, 2023 LAST REVISED: MARCH 27, 2024 PROJECT NO. 20-1022-5

THE PLAN ARE FULFILLED WITHIN ONE (1) YEAR OF THE BOARD'S GRANTING OF CONDITIONAL APPROVAL. THE BOARD MAY

<u>EXPIRATION OF APPROVAL</u> APPROVAL OF THIS PLAN SHALL EXPIRE FIVE (5) YEARS FROM THE DATE OF PLANNING BOARD APPROVAL, AS RECORDED IN

<u>LOT AREA</u> 1380 HOOKSETT ROAD = 217,515 S.F. OR 4.99 ACRES

HOOKSETT SEWER CONNECTION PERMIT NHDES ALTERATION OF TERRAIN PERMIT STATUS ISSUED 8-19-21 (PHASE 1), UPDATE PENDING 225-06-2 (PHASE 1) UPDATE PENDING

ARCHITECTURAL PLANS

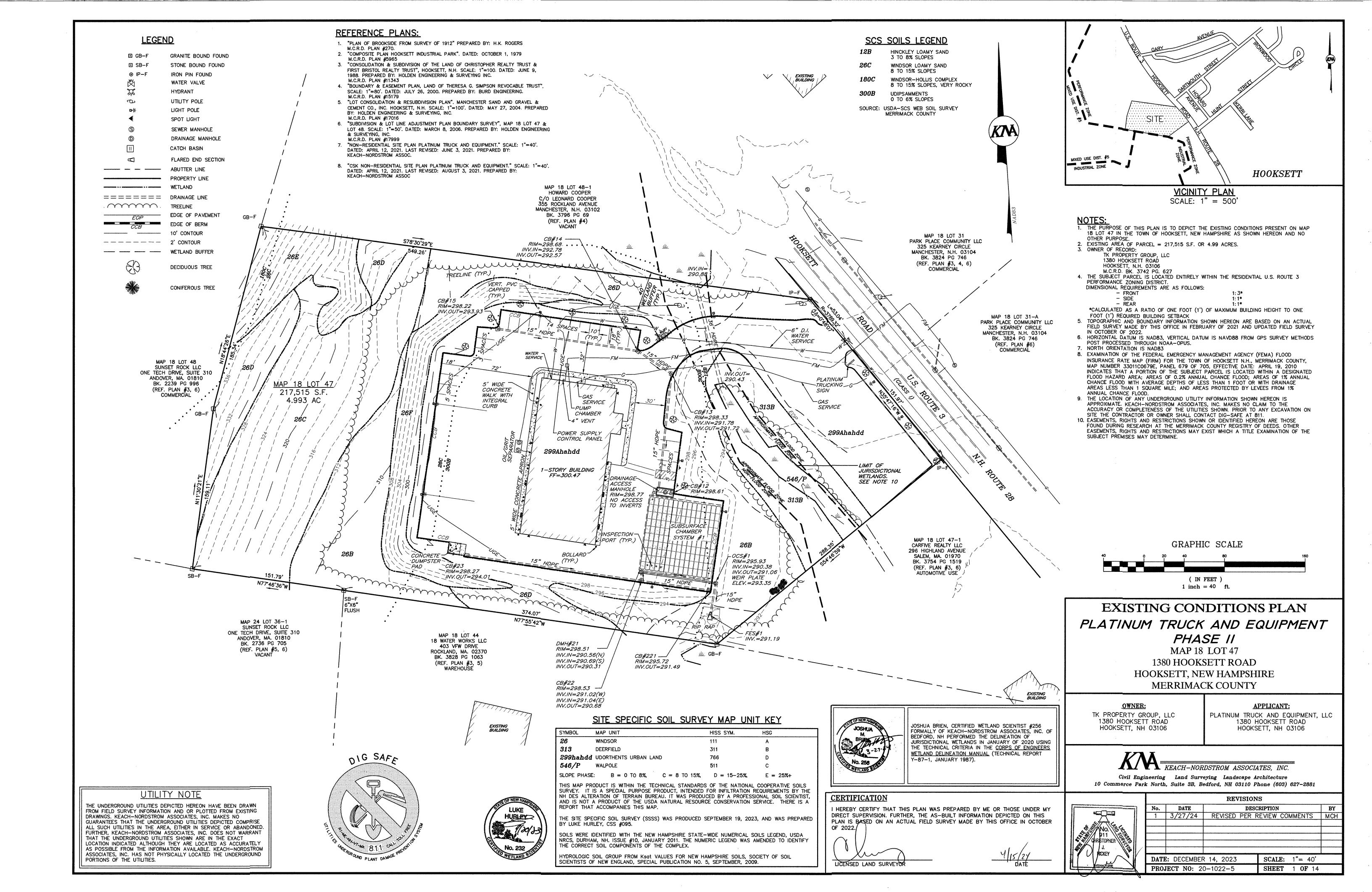
SPR APPENDIX II - SITE PLAN CHECKLIST ZO ARTICLE 10-A, E. - PERMITTED USES ZO ARTICLE 10-A, G (2) (K) - OUTSIDE STORAGE

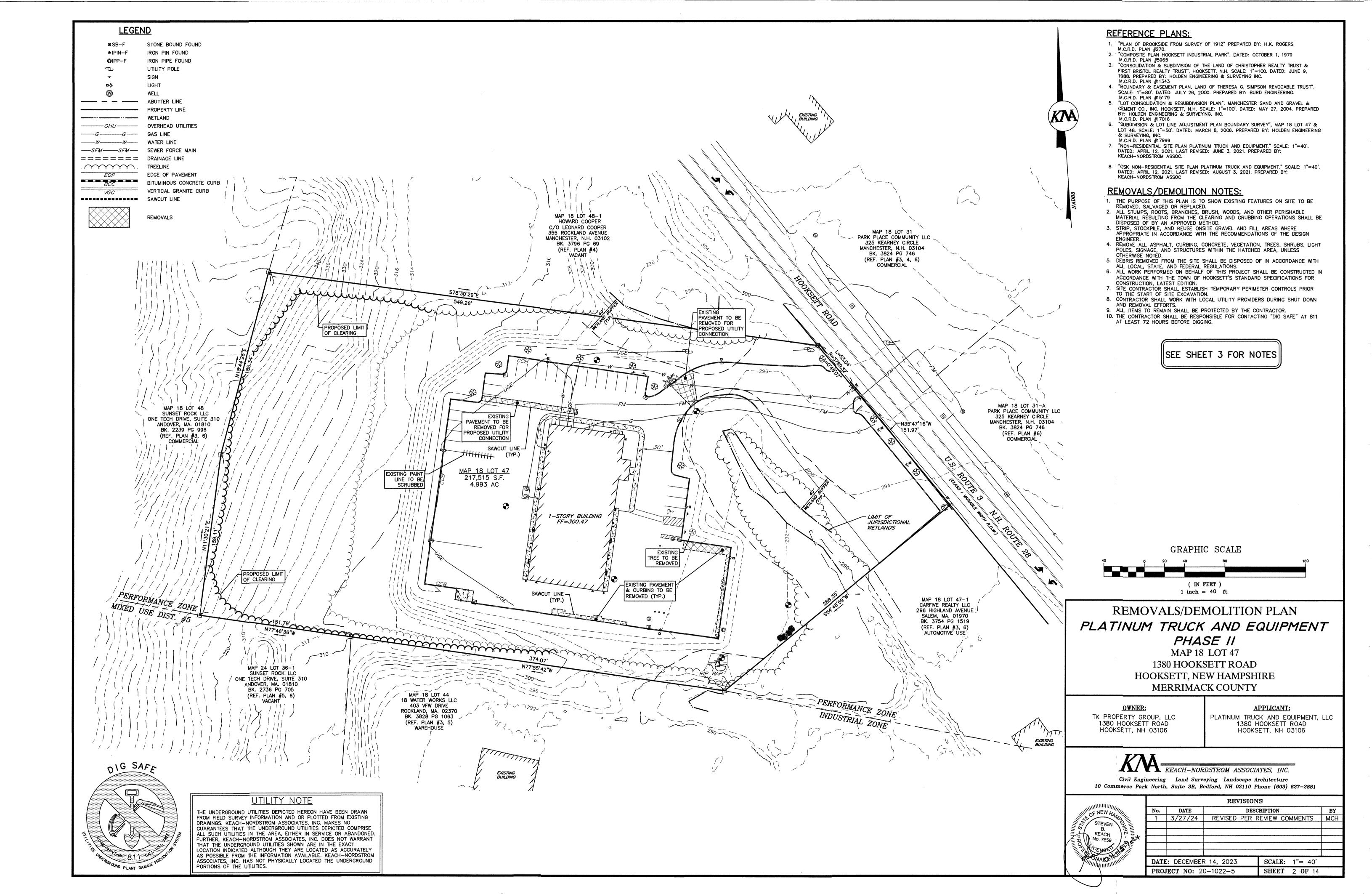
4. ZO ARTICLE 10-A, H (3) (A) (5) - FRONT FACADE LANDSCAPE STRIF

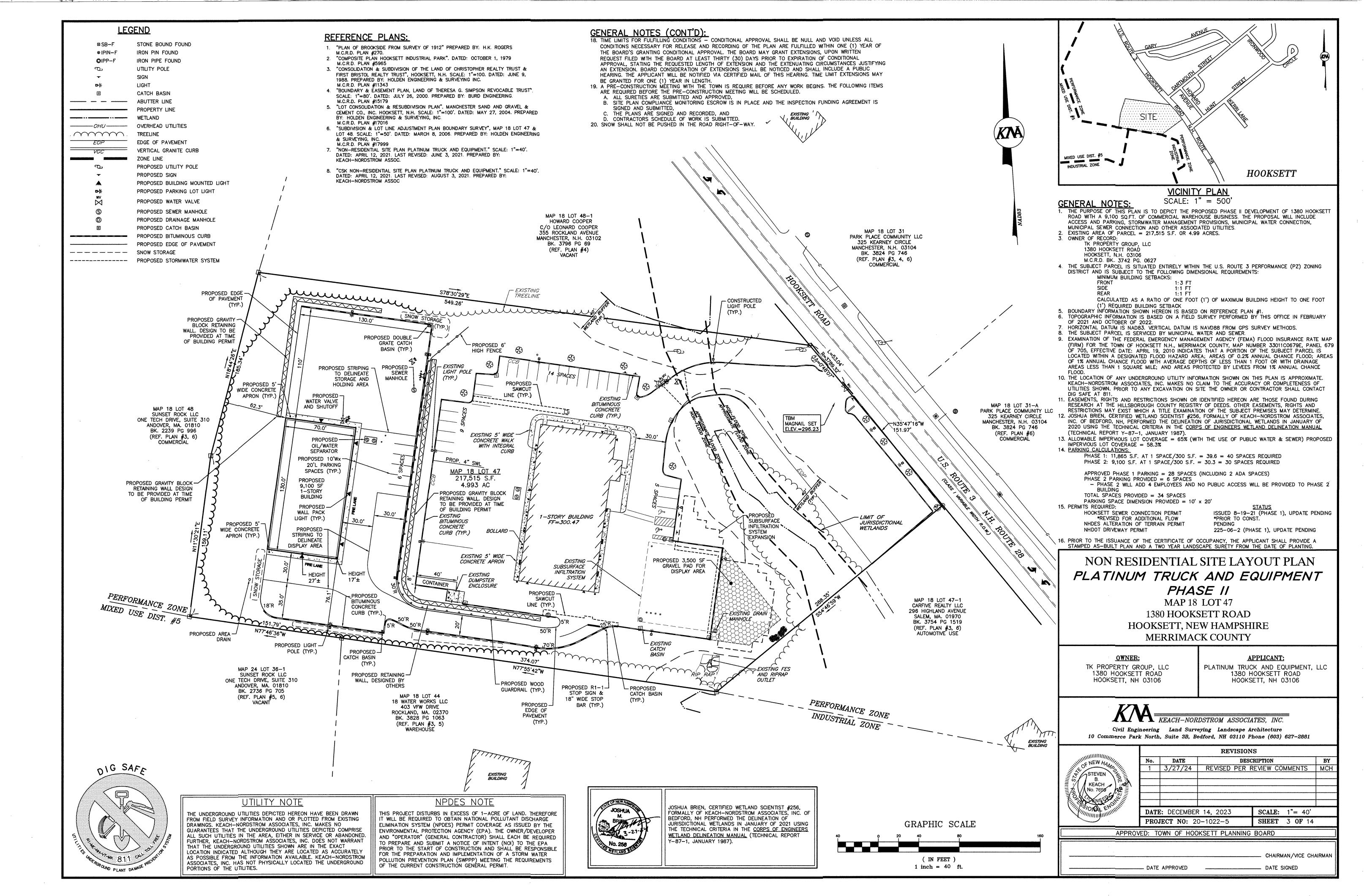
SHEET TITLE SHEET No. EXISTING CONDITIONS PLAN REMOVALS/DEMOLITION PLAN NON-RESIDENTIAL SITE PLAN GRADING & DRAINAGE PLAN UTILITY PLAN EROSION CONTROL PLAN LANDSCAPE PLAN LIGHTING PLAN 9 - 14CONSTRUCTION DETAILS

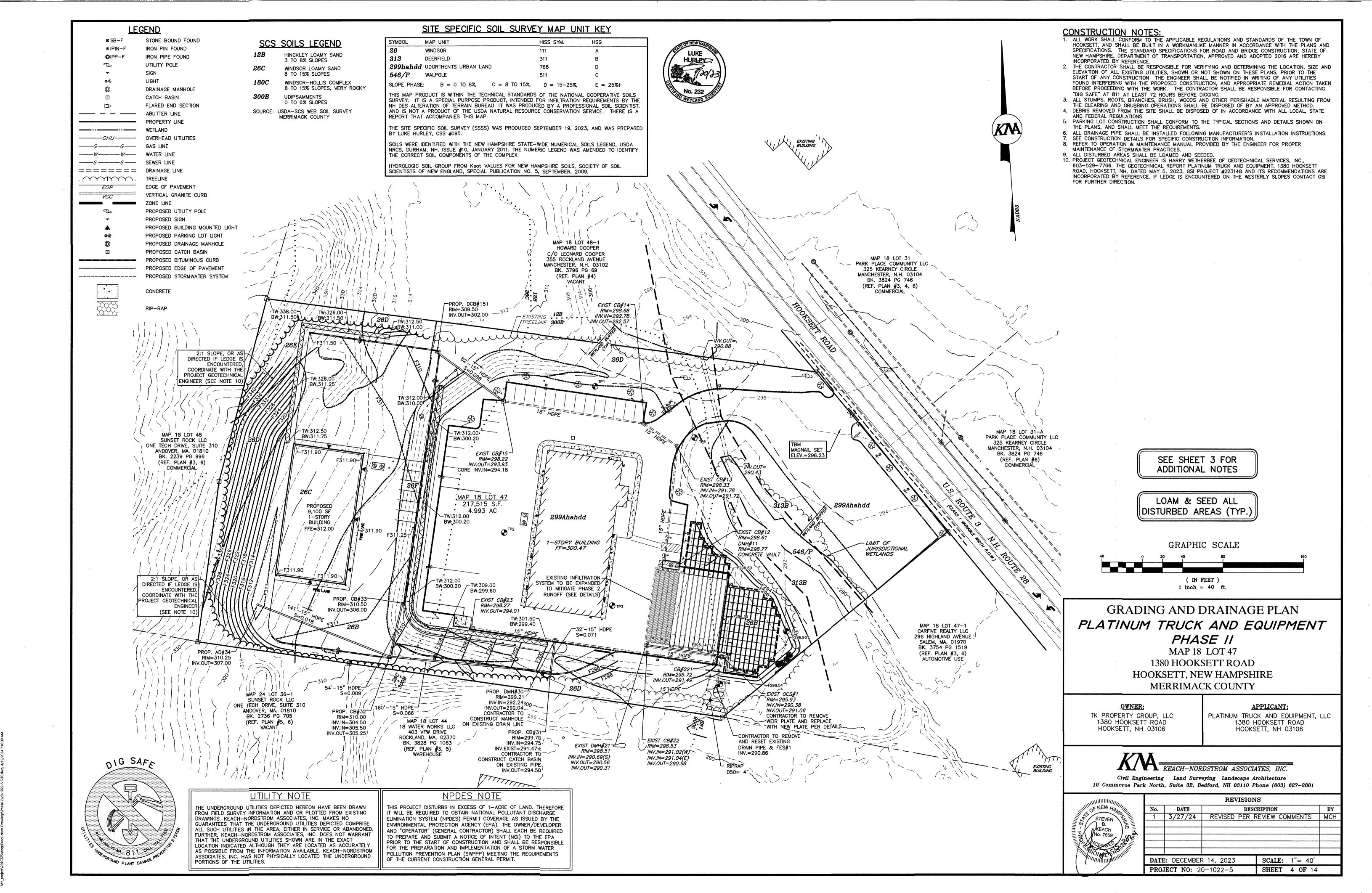
APPROVED: TOWN OF HOOKSETT PLANNING BOARD

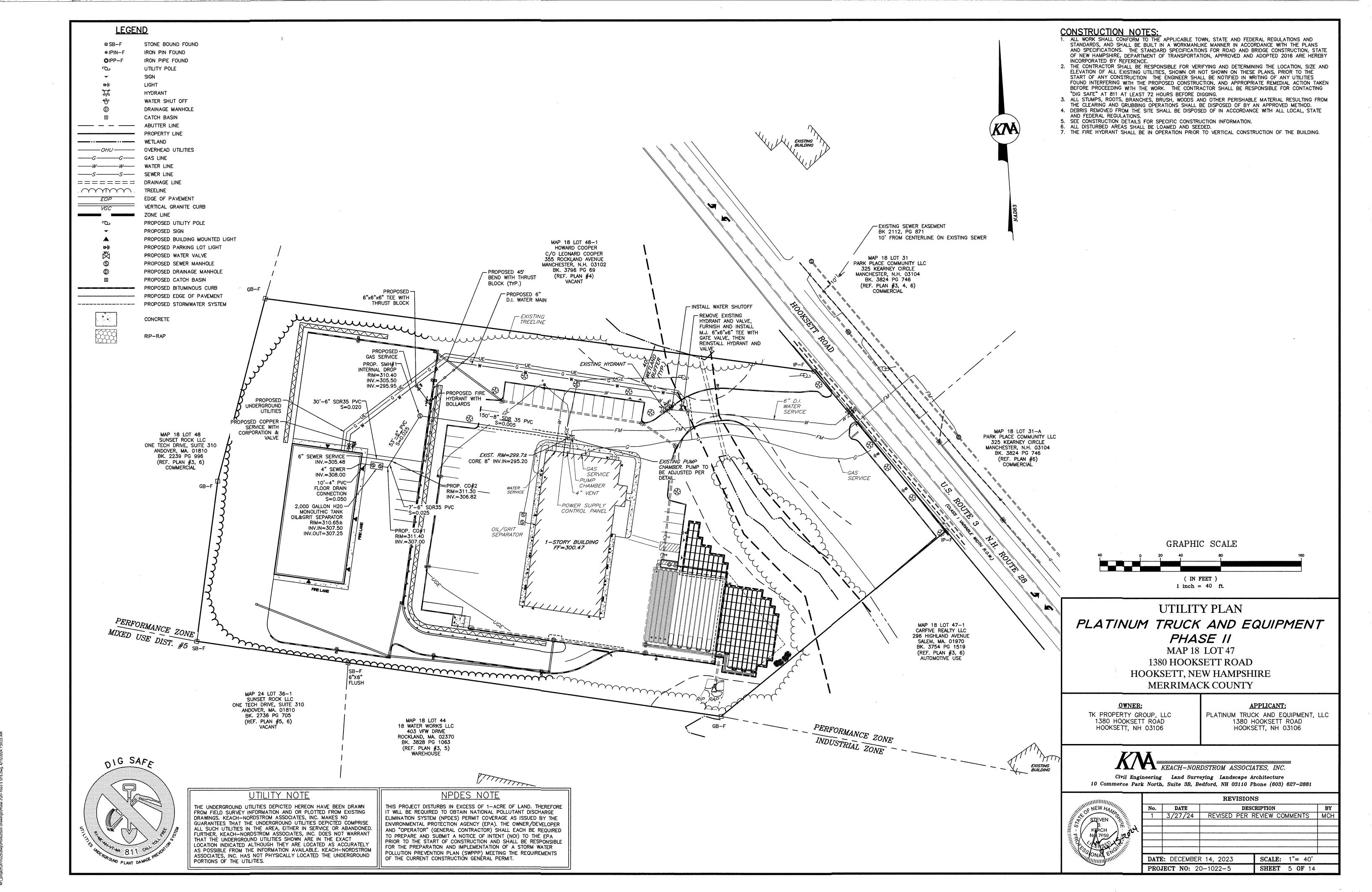
A1

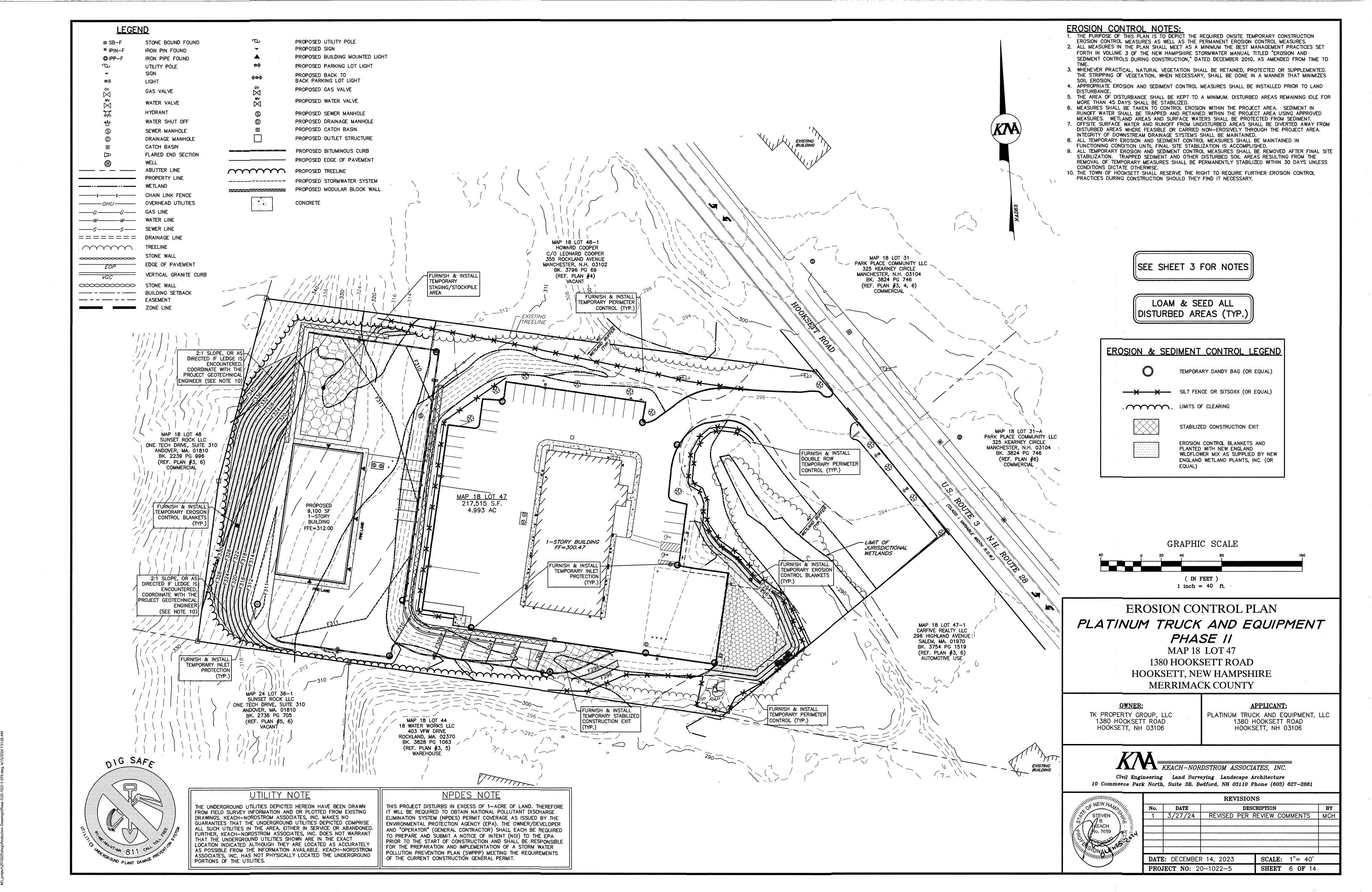


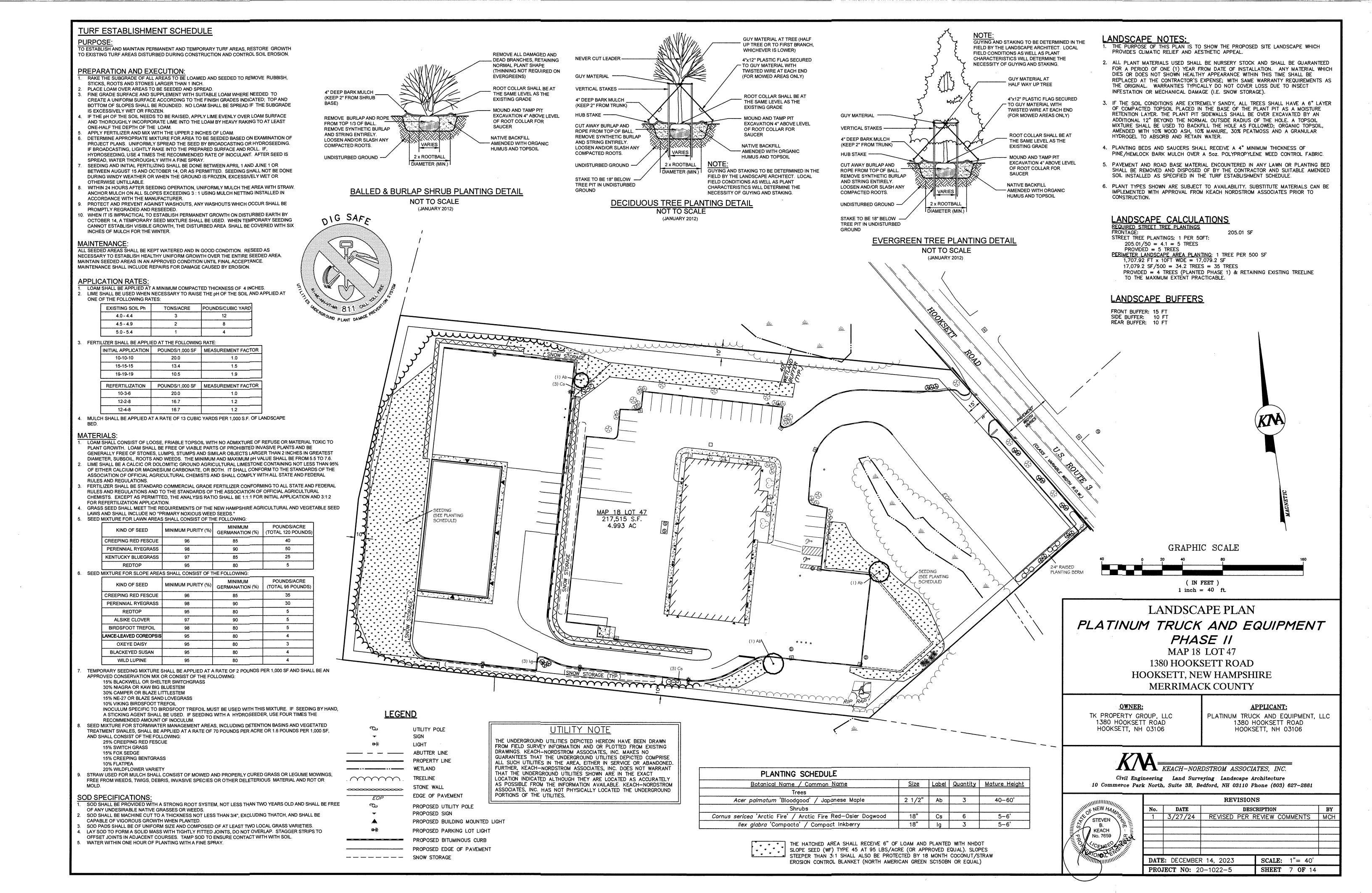


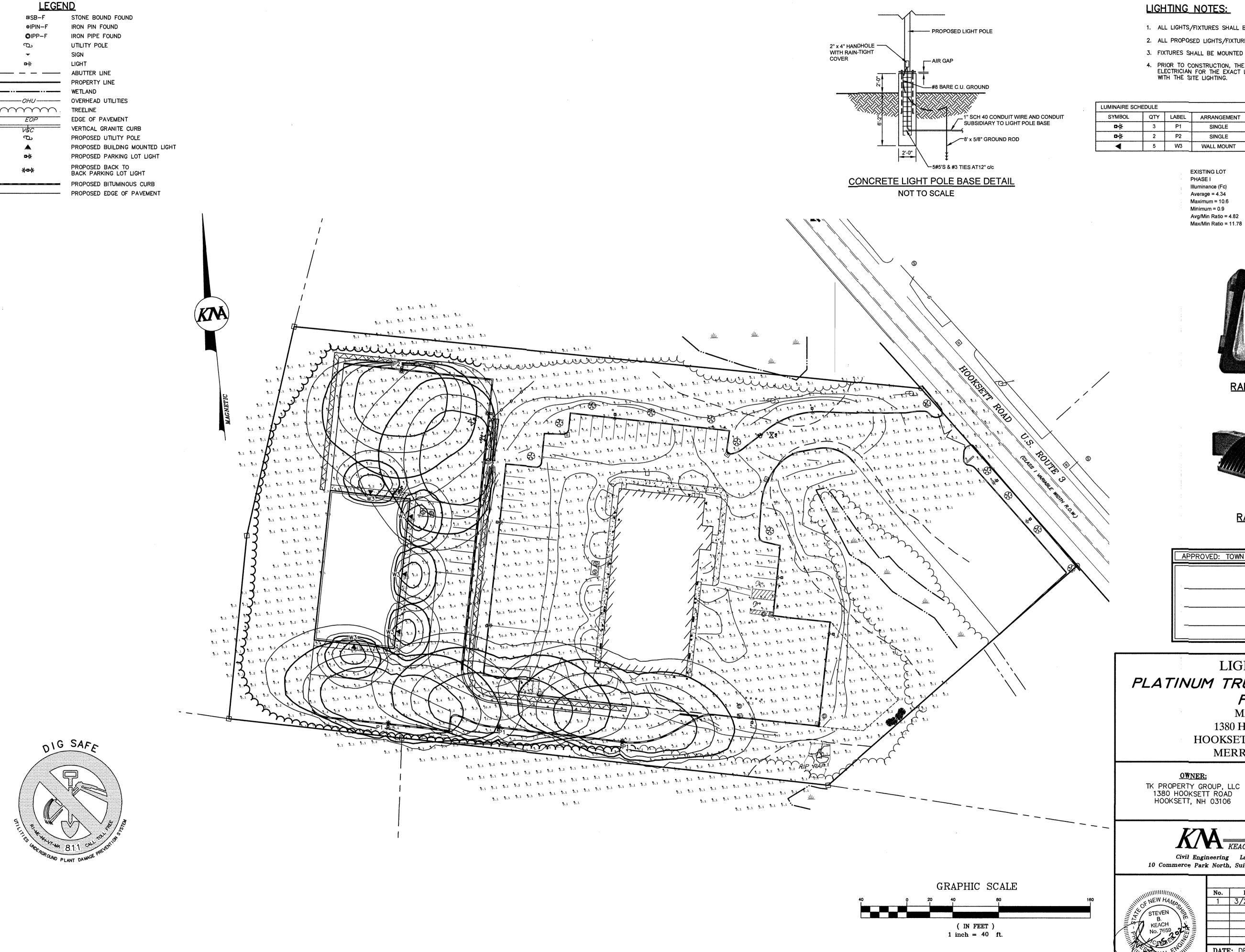












LIGHTING NOTES:

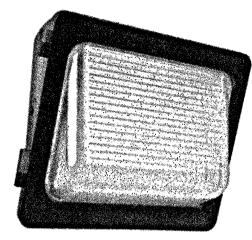
- 1. ALL LIGHTS/FIXTURES SHALL BE AS SPECIFIED.
- 2. ALL PROPOSED LIGHTS/FIXTURES ARE TO BE FULL CUTOFF.
- 3. FIXTURES SHALL BE MOUNTED AT HEIGHTS AS SPECIFIED IN TABLE.
- 4. PRIOR TO CONSTRUCTION, THE SITE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ELECTRICIAN FOR THE EXACT LOCATION, LAYOUT, CONDUIT SIZE AND CIRCUITS ASSOCIATED WITH THE SITE LIGHTING.

LUMINAIRE SCHEDULE					
SYMBOL	QTY	LABEL	ARRANGEMENT	DESCRIPTION	CRI
中华	3	P1	SINGLE	RAB ALED3T360N/D10 (25' AFG)	75
Βķ	2	P2	SINGLE	RAB ALED4T260N/D10 (25' AFG)	75
◀	5	W3	WALL MOUNT	RAB W34-30L-840 (18' AFG)	83

EXISTING LOT PHASE I Illuminance (Fc) Average = 4.34 Maximum = 10.6 Minimum = 0.9

NEW LOT PHASE II Illuminance (Fc) Average = 3.23

Maximum = 10.8 Minimum = 0.2 Avg/Min Ratio = 10.77 Max/Min Ratio = 36.00



RAB WALL MOUNT



RAB AREA LIGHT

APPROVED:	TOWN	OF	HOOKS	SETT PLANNING BOARD	
			AI' '		1
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	CHAIRMAN/VICE CHAIRMAN	
				DATE APPROVED	
•				DATE SIGNED	
	······ · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	

LIGHTING PLAN PLATINUM TRUCK AND EQUIPMENT PHASE II

MAP 18 LOT 47 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE MERRIMACK COUNTY

OWNER:

TK PROPERTY GROUP, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

APPLICANT:

PLATINUM TRUCK AND EQUIPMENT, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

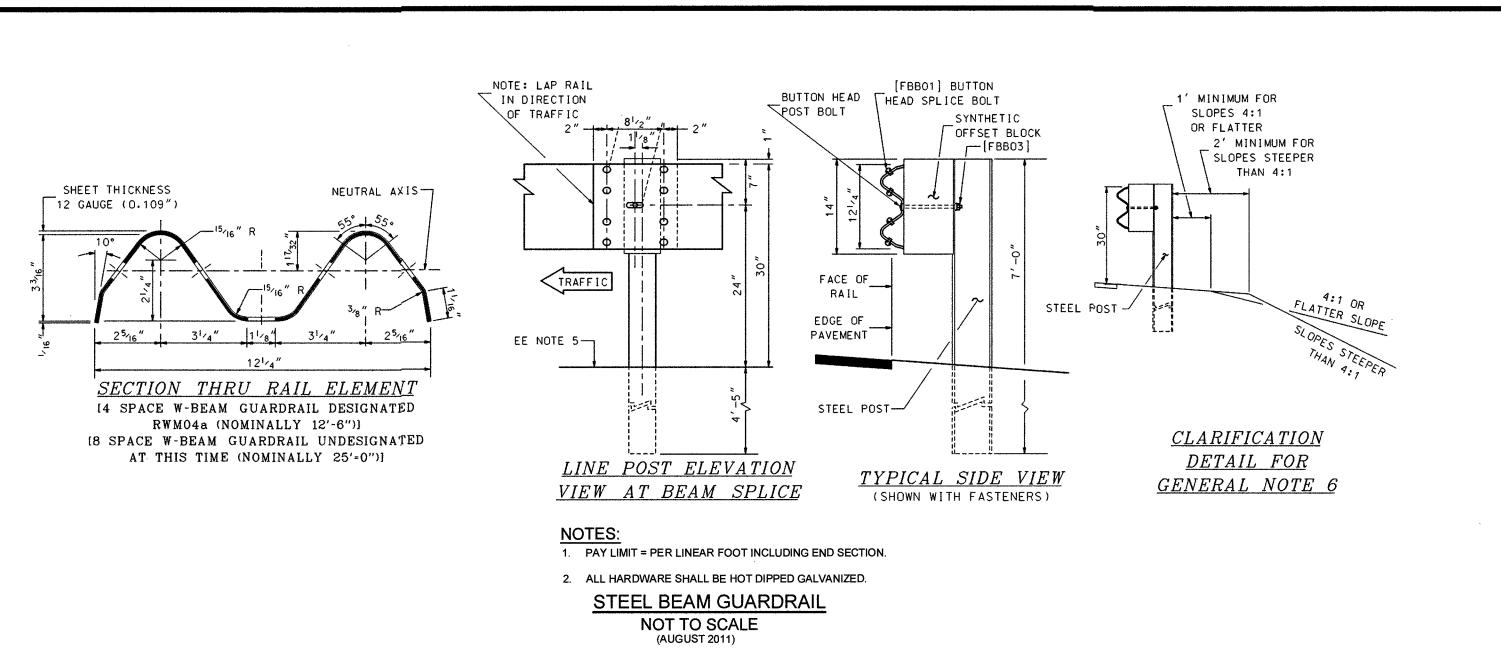


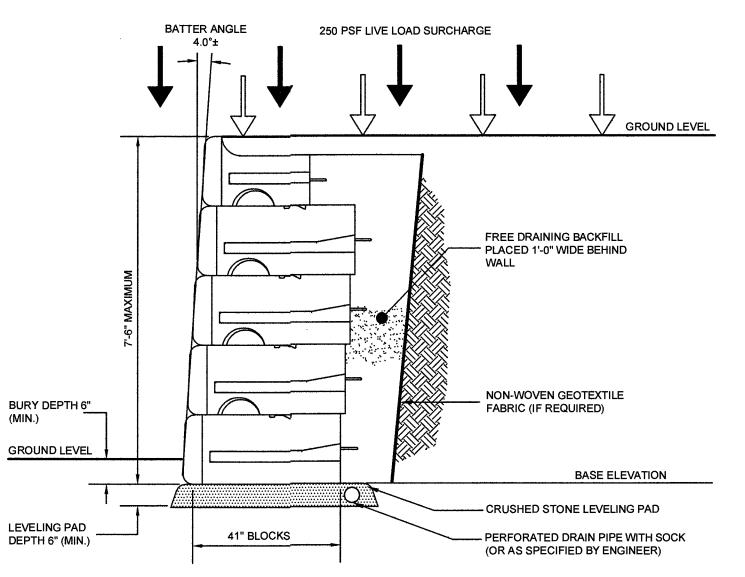
KEACH-NORDSTROM ASSOCIATES, INC.

Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881

STE	WIIIIIIII N HAMA	William .	N
STE STE	VEN		
	7659	~ =	
	46		
	NALEN	WILLIAM STREET	D
V 1/1/1/1	minni)	<i>'</i> ,	P

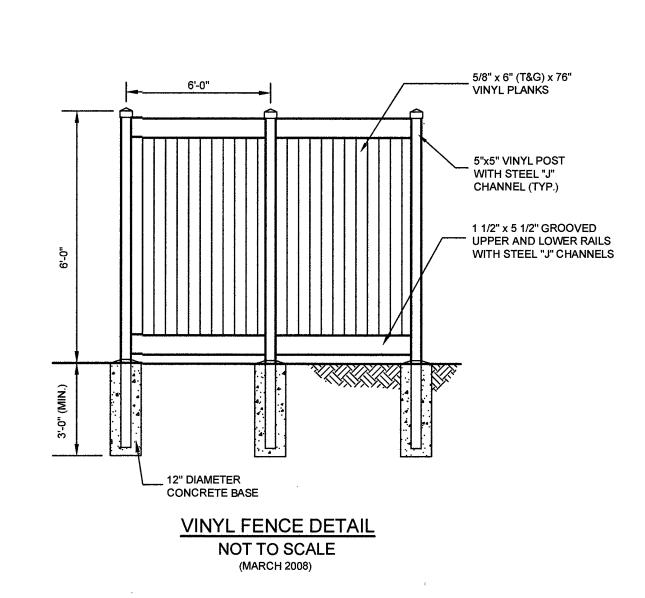
REVISIONS						
No.	DATE	DES	DESCRIPTION			
1	3/27/24	REVISED PER	REVIEW COMMENTS	мсн		
DATE: DECEMBER 14, 2023 SCALE: 1"= 40'						
PROJECT NO: 20–1022–5 SHEET 8 OF 14						

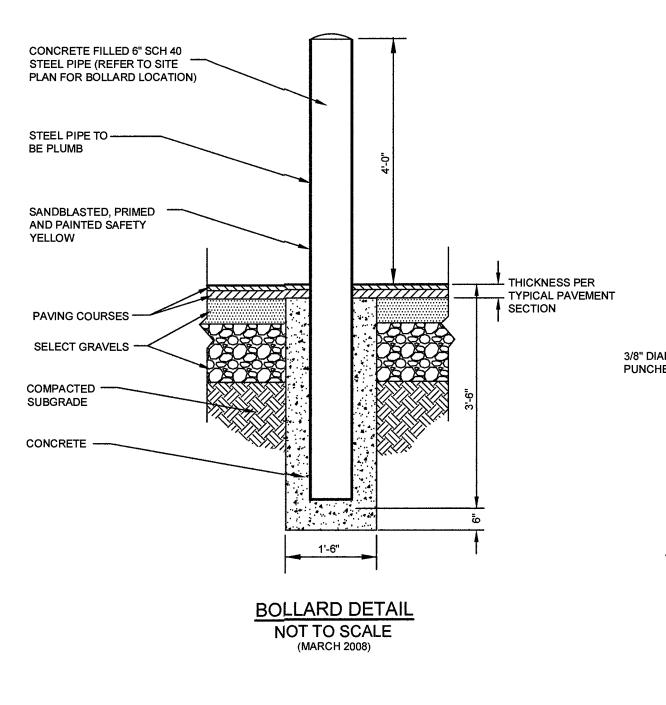




DENSE WELL GRADED SAND, SAND & GRAVEL - INTERNAL ANGLE OF FRICTION (F)=34° CONDITION B - NO BACK SLOPE, 250 PSF LIVE LOAD SURCHARGE 7'-6" GRAVITY WALL 41"

> REDI-ROCK WALL NOT TO SCALE





SEE PLAN FOR CONCRETE WIDTH

CONCRETE APRON DETAIL NOT TO SCALE

BITUMINOUS CURB TYPE B DETAIL

NOT TO SCALE

6" CRUSHED GRAVEL

--- 12" BANK RUN GRAVEL

(NHDOT 304.3)

6" BROOM FINISH PORTLAND CEMENT

THE "STANDARD SPECIFICATIONS FOR

ROAD & BRIDGE CONSTRUCTION" AS

CURE & SEAL CONCRETE PER NHDOT

PUBLISHED BY THE NHDOT)

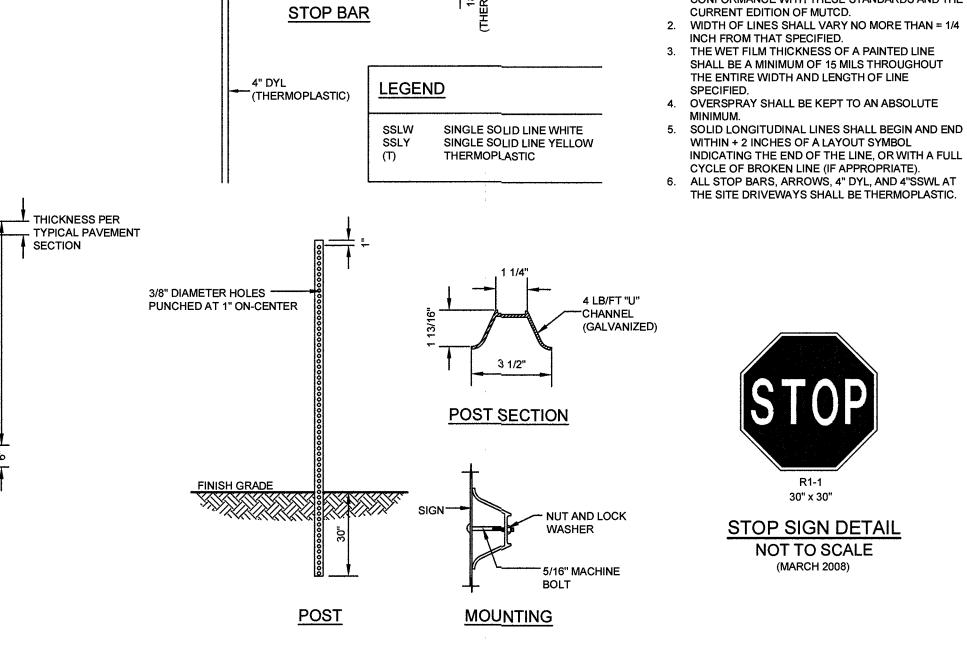
W 2.9 x W 2.9 (6" x 6") STEEL

MESH REINFORCEMENT

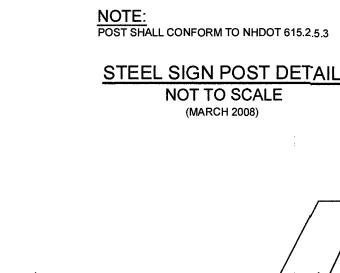
CENTERED IN CONCRETE

STANDARDS

CONCRETE WITH CONTROL AND EXPANSION JOINTS (CONSTRUCT IN ACCORDANCE WITH SECTION 608 OF



VARIES



DRIVEWAY AND PARKING LOT SECTION NOT TO SCALE

CONSTRUCTION SEQUENCE

BITUMINOUS CURB_

TYPE B, 4" REVEAL

WEARING COURSE -

(3/8" AGGREGATE)

BINDER COURSE (3/4" AGGREGATE) CRUSHED GRAVEL -(NHDOT 304.3)

BANK RUN GRAVEL

- FIRST CUT AND CLEAR TREES AND BRUSH ONLY WITHIN DESIGNATED LIMITS OF CLEARING AS NECESSARY TO FACILITATE PROPOSED CONSTRUCTION. ALL TREES, BRANCHES AND OTHER VEGETATIVE MATERIALS SHALL BE PROPERLY DISPOSED OF OFF SITE BY THE CONTRACTOR. THIS PROJECT IS MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
- PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS, ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES, INCLUDING SPECIFIED PERIMETER SILTATION FENCING AND STABILIZED CONSTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT PLANS. 3. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND SIMILAR ORGANIC DEBRIS SHALL BE PROPERLY
- DISPOSED OF BY THE CONTRACTOR. NATIVE ORGANIC SOIL MATERIALS SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED WITHIN AREAS OUT OF THE WAY OF OTHER CONSTRUCTIONS ACTIVITIES AND DRAINAGE FLOW. STOCKPILES SHALL &E TEMPORARILY SEEDED WITH WINTER RYE AND BE SURROUNDED WITH HAY BALES AND/OR FABRIC SILTATION FENCE IN ORDER TO PREVENT LOSS DUE TO EROSION. 4. BEGIN EARTHMOVING OPERATIONS, COMMENCING WITH WORK NEEDED TO BALANCE SITE AND FACILITATE
- BUILDING FOUNDATION CONSTRUCTION. PERMANENT DOWNSLOPE WORK SHALL BE PROTECTED FROM UPGRADIENT STORMWATER FLOW BY THE CONSTRUCTION OF TEMPORARY EARTHEN DIKES OR EXCAVATED
- 5. ONCE BUILDING FOUNDATION WORK IS UNDERWAY, CONTINUE EARTHMOVING OPERATIONS UNTIL DESIGN
- 6. INSTALL DRAINAGE SWALE SYSTEMS AND OTHER UTILITIES WORKING FROM LOW TO HIGH. INCOMPLETE WORK SHALL BE PROTECTED FROM SILTATION BY THE USE OF SILTATION BARRIERS AROUND SWALES UNTIL THE SITE HAS BECOME FULLY STABILIZED.
- 7. PLACE GRAVEL AND CRUSHED GRAVEL OVER PROPOSED DRIVEWAY, WALKS AND PARKING AREAS AND COMPACT IN SPECIFIED LIFT THICKNESS.
- 8. COMPLETE EXCAVATION/STABILIZATION GRADING ACTIVITIES. WHEN COMPLETE, IMMEDIATELY BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF
- NECESSARY, TO LEAVE A THICKNESS OF 4 INCHES OF FRIABLE LOAM. 9. FINE GRADE ALL FUTURE TURF AREAS AND HYDROSEED WITH THE SPECIFIED SEED MIXTURE IMMEDIATELY AFTER FINE GRADING IS COMPLETED. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH
- 10. INSTALL THE BINDER COURSE OF PAVEMENT OVER ALL DESIGNATED AREAS. 11. CONTINUE TO MONITOR AND RECTIFY MINOR SITE AND SLOPE EROSION UNTIL ENTIRE SITE APPEARS TO BE COMPLETELY STABILIZED AND VEGETATED WITH A HEALTHY STAND OF TURF OR GROUND COVER. MAINTAIN SPECIFIED SILTATION/EROSION CONTROL MEASURES THROUGH ONE WINTER.

12. INSTALL THE SPECIFIED WEARING COURSE OF PAVEMENT OVER THE BINDER COURSE. 13. COMPLETE INSTALLATION OF LANDSCAPING, SIGNAGE AND OTHER SITE AMENITIES.

CONSTRUCTION DETAILS PLATINUM TRUCK AND EQUIPMENT PHASE II

4" HOT BITUMINOUS PAVEMENT (NHDOT 403.11)

EDGE OF

1.5" THICK 3/8" AGGREGATE WEARING COURSE

2.5" THICK 3/4" AGGREGATE BINDER COURSE

ON SITE STRIPING NOTES: 1. ALL PAVEMENT MARKINGS SHALL BE IN

CURRENT EDITION OF MUTCD.

INCH FROM THAT SPECIFIED.

SPECIFIED.

CONFORMANCE WITH THESE STANDARDS AND THE

SHALL BE A MINIMUM OF 15 MILS THROUGHOUT

THE ENTIRE WIDTH AND LENGTH OF LINE

WITHIN + 2 INCHES OF A LAYOUT SYMBOL

CYCLE OF BROKEN LINE (IF APPROPRIATE).

30" x 30"

STOP SIGN DETAIL

NOT TO SCALE

(MARCH 2008)

INDICATING THE END OF THE LINE, OR WITH A FULL

THE SITE DRIVEWAYS SHALL BE THERMOPLASTIC.

MAP 18 LOT 47 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE MERRIMACK COUNTY

TK PROPERTY GROUP, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

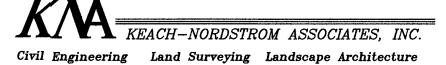
APPLICANT: PLATINUM TRUCK AND EQUIPMENT, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

. 6" CRUSHED GRAVEL COMPACTED TO MINIMUM

OF 95% (NHDOT 304.3)

TO MINIMUM OF 95%

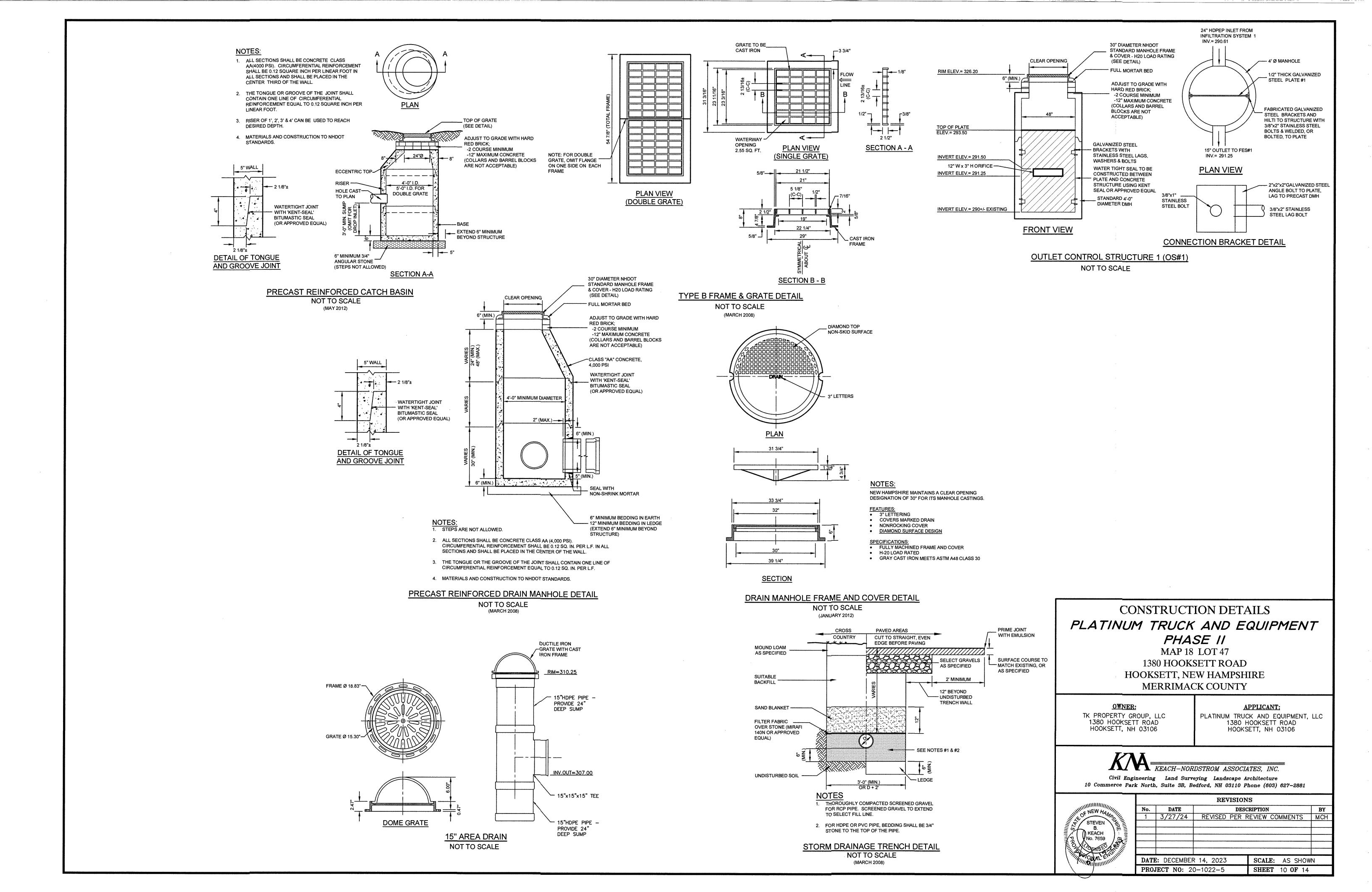
(NHDOT 304.2)



10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



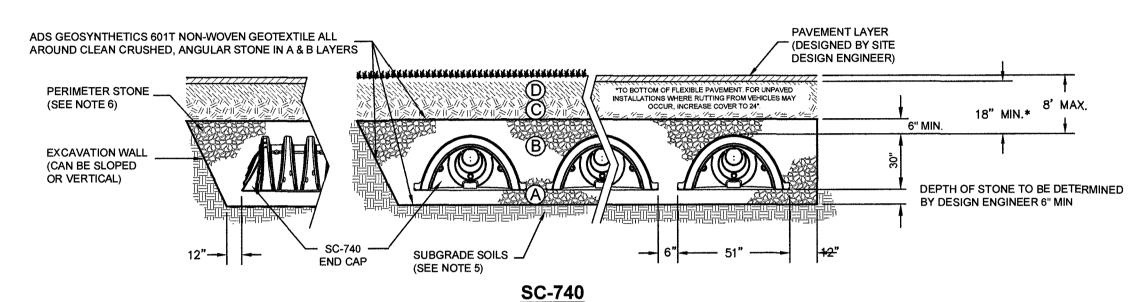
		REVISION	is	
No.	DATE	DESC	CRIPTION	BY
1	3/27/24	REVISED PER I	REVIEW COMMENTS	MCH
				-
				1
DAT	E: DECEMBER	R 14, 2023	SCALE: AS SHOW	۷N
PRO	JECT NO: 2	0-1022-5	SHEET 9 OF 14	



ACCEPTABLE FILL MATERIALS: STORMTECH CHAMBER SYSTEMS

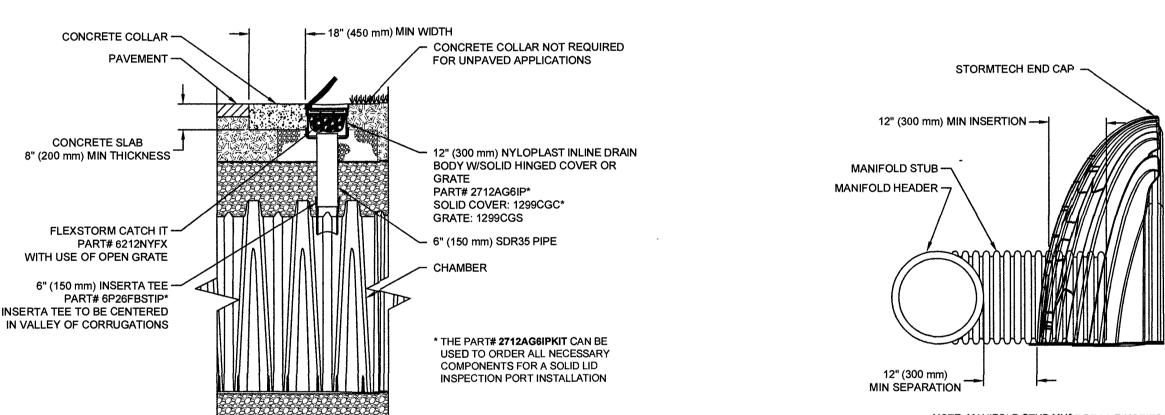
	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
С	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	OR	BEGIN COMPACTIONS AFTER 12" OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4-2 INCH	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
А	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4-2 INCH	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. 23

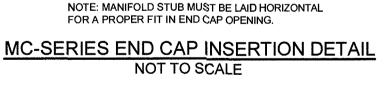
- 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE:
- "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE". 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY
- 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



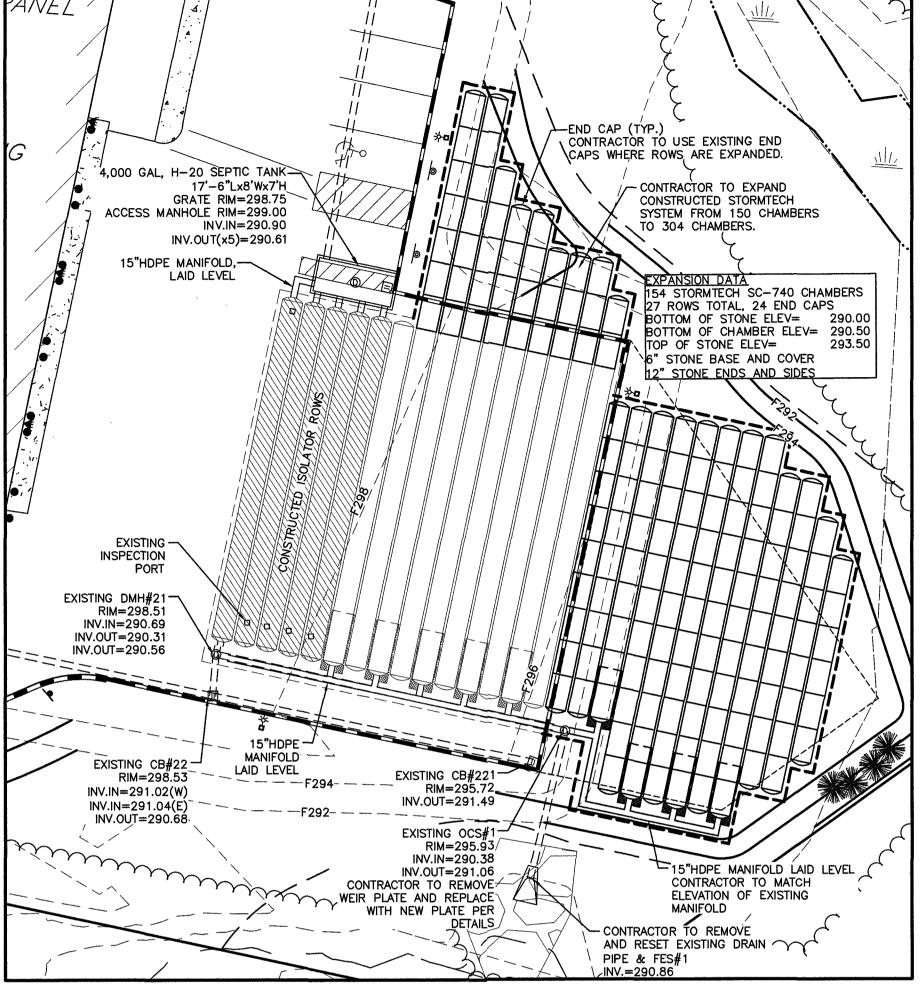
LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

- CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF





COVER ENTIRE ROW WITH AASHTO



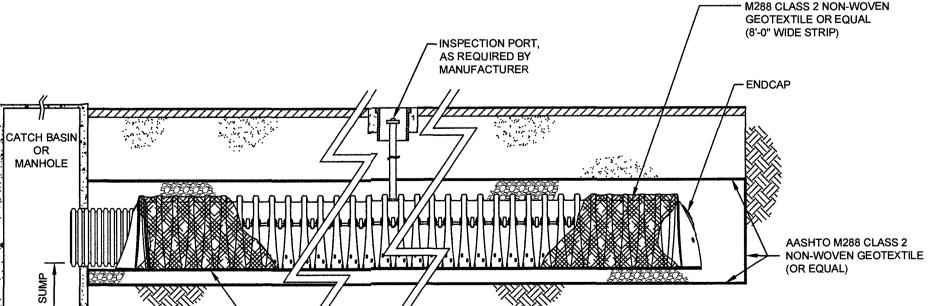
SUBSURFACE CHAMBER SYSTEM #1 SCALE: 1'' = 20'

INFILTRATION GENERAL NOTES:

- 1. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT, IF FEASIBLE, PERFORM
- EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.

 2. AFTER THE INFILTRATION SYSTEM AREA IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES,
- FOLLOWED BY A PASS WITH A LEVELING DRAG. 3. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY

INSPECTION & MAINTENANCE INSPECT ISOLATOR ROW FOR SEDIMENT A. INSPECTION PORTS (IF PRESENT) USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT

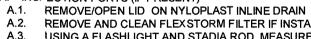


AASHTO M288 CLASS 1 WOVEN GEOTEXTILE OR EQUAL, BETWEEN FOUNDATION STONE AND CHAMBERS

(5'-0" TO 6'-0" WIDE STRIP)

INSPECTION PORT DETAIL

ISOLATOR ROW PROFILE NOT TO SCALE



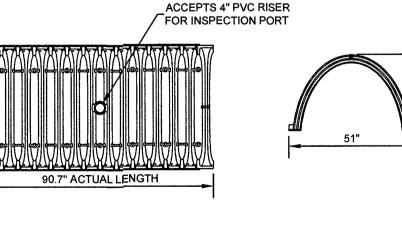
- REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
- AND RECORD ON MAINTENANCE LOG
- LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
- IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3 B. ALL ISOLATOR ROWS
- B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH **QUILET PIPE** i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED
- ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT,

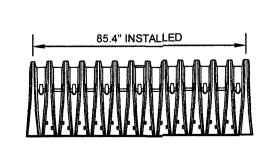
A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m)

- PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
 - OR MORE IS PREFERRED APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN . VACUUM STRUCTURE SUMP AS REQUIRED
 - REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

I. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION, ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.





NOMINAL CHAMBER SPECIFICATIONS SIZE (W x H x INSTALLED LENGTH) CHAMBER STORAGE MINIMUM INSTALLED STORAGE

51.0" x 30.0" x 85.4" 45.9 CUBIC FEET 74.9 CUBIC FEET

SC-740 TECHNICAL SPECIFICATIONS NOT TO SCALE

STORMWATER SYSTEMS OPERATION AND MAINTENANCE PLAN

THE STORMWATER TREATMENT FACILITIES WILL BE MAINTAINED BY THE OWNER OR THEIR ASSIGNED HEIRS AFTER CONSTRUCTION IS COMPLETED. LONG-TERM OPERATION AND MAINTENANCE FOR THE STORMWATER MANAGEMENT FACILITIES IS PRESENTED BELOW.

THE FOLLOWING STANDARDS SHALL BE MET AFTER CONSTRUCTION IS COMPLETE:

INSPECTION AND MAINTENANCE FREQUENCY AND CORRECTIVE MEASURES: THE FOLLOWING AREAS, FACILITIES, AND MEASURES WILL BE INSPECTED AND THE IDENTIFIED DEFICIENCIES WILL BE

CORRECTED. CLEAN-OUT MUST INCLUDE THE REMOVAL AND LEGAL DISPOSAL OF ANY ACCUMULATED SEDIMENTS AND

INSPECT CATCH BASINS TWO (2) TIMES PER YEAR (PREFERABLY IN SPRING AND FALL) TO ENSURE THAT THE CATCH BASINS ARE WORKING IN THEIR INTENDED FASHION AND THAT THEY ARE FREE OF DEBRIS. CLEAN STRUCTURES WHEN SEDIMENT DEPTHS REACH 12" FROM INVERT OF OUTLET. IF THE BASIN OUTLET IS DESIGNED WITH A HOOD TO TRAP FLOATABLE MATERIALS (I.E. SNOUT), CHECK TO ENSURE WATERTIGHT SEAL IS WORKING. AT A MINIMUM, REMOVE FLOATING DEBRIS AND HYDROCARBONS AT THE TIME OF THE INSPECTION.

STORMWATER DETENTION / RETENTION FACILITIES: INSPECT ALL UPSTREAM PRE-TREATMENT MEASURES FOR SEDIMENT AND FLOATABLE ACCUMULATION. REMOVE AND

DISPOSE OF SEDIMENTS OR DEBRIS AS NEEDED.

INSPECT SUB-SURFACE CHAMBER OR PIPE SYSTEM TWO (2) TIMES PER YEAR (PREFERABLY IN SPRING AND FALL) VIA THE INSPECTION PORTS, CLEANOUT'S OR OTHER ACCESS STRUCTURE. CLEAN SYSTEM PER MANUFACTURER'S RECOMMENDATIONS. INSPECT OUTLET CONTROL STRUCTURES TO ENSURE THEY ARE IN GOOD WORKING ORDER AND ARE UNOBSTRUCTED FROM TRASH AND DEBRIS. REMOVE AND DISPOSE OF ANY SEDIMENTS OR DEBRIS.

INSPECT ALL UPSTREAM PRE-TREATMENT MEASURES FOR SEDIMENT AND FLOATABLE ACCUMULATION. REMOVE AND DISPOSE OF SEDIMENTS OR DEBRIS AS NEEDED. INSPECT ISOLATOR ROW ON A SEMI-ANNUAL BASIS BY USING INSPECTION PORT AND/OR ACCESS STRUCTURE. REMOVE SEDIMENT AS NEEDED WHEN AVERAGE DEPTHS REACH 1" PER THE MANUFACTURE'S RECOMMENDATION.

INSPECT SLOPES AND EMBANKMENTS EARLY IN THE GROWING SEASON TO IDENTIFY ACTIVE OR POTENTIAL EROSION PROBLEMS. REPLANT BARE AREAS OR AREAS WITH SPARSE GROWTH. WHERE RILL EROSION IS EVIDENT, ARMOR THE AREA WITH AN APPROPRIATE LINING OR DIVERT THE EROSIVE FLOWS TO ON-SITE AREAS ABLE TO WITHSTAND THE

<u>DITCHES, SWALES AND OTHER OPEN STORMWATER CHANNELS:</u>
NSPECT TWO (2) TIMES PER YEAR (PREFERABLY IN SPRING AND FALL) TO ENSURE THEY ARE WORKING IN THEIR INTENDED FASHION AND THAT THEY ARE FREE OF SEDIMENT AND DEBRIS. REMOVE ANY OBSTRUCTIONS TO FLOW, INCLUDING ACCUMULATED SEDIMENTS AND DEBRIS AND VEGETATED GROWTH. REPAIR ANY EROSION OF THE DITCH LINING. VEGETATED DITCHES WILL BE MOWED AT LEAST ANNUALLY OR OTHERWISE MAINTAINED TO CONTROL THE GROWTH OF WOODY VEGETATION AND MAINTAIN FLOW CAPACITY. ANY WOODY VEGETATION GROWING THROUGH RIP RAP LININGS MUST ALSO BE REMOVED. REPAIR ANY SLUMPING SIDE SLOPES AS SOON AS PRACTICABLE. IF THE DITCH HAS A RIP RAP LINING, REPLACE RIP RAP ON AREAS WHERE ANY UNDERLYING FILTER FABRIC OR UNDERDRAIN GRAVEL IS SHOWING THROUGH THE STONE OR WHERE STONES HAVE DISLODGED. CORRECT ANY EROSION OF THE CHANNEL'S BOTTOM OR SIDESLOPES.

CLEAR ACCUMULATIONS OF WINTER SAND IN PARKING LOTS AND ALONG ROADWAYS AT LEAST ONCE A YEAR, PREFERABLY IN THE SPRING. ACCUMULATIONS ON PAVEMENT MAY BE REMOVED BY PAVEMENT SWEEPING. ACCUMULATIONS OF SAND ALONG ROAD SHOULDERS MAY BE REMOVED BY GRADING EXCESS SAND TO THE PAVEMENT EDGE AND REMOVING IT MANUALLY OR BY A FRONT-END LOADER.

STORMTECH GENERAL NOTES:

- INSTALLING CONTRACTORS ARE REQUIRED TO USE AND UNDERSTAND STORMTECH'S LATEST INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION.
- 2. OUR TECHNICAL SERVICES DEPARTMENT OFFERS INSTALLATION CONSULTATIONS TO INSTALLING CONTRACTORS. CONTACT OUR TECHNICAL SERVICES REPRESENTATIVE AT LEAST 30 DAYS PRIOR TO SYSTEM INSTALLATION TO ARRANGE A PRE-INSTALLATION CONSULTATION. OUR REPRESENTATIVES CAN THEN ANSWER QUESTIONS OR ADDRESS COMMENTS ON THE STORMTECH CHAMBER SYSTEM AND INFORM THE INSTALLING CONTRACTOR OF THE MINIMUM INSTALLATION REQUIREMENTS BEFORE BEGINNING THE SYSTEM'S CONSTRUCTION. CALL 1-888-892-2694 TO SPEAK TO A TECHNICAL SERVICE REPRESENTATIVE OR VISIT WWW.ADS-PIPE.COM TO RECEIVE A COPY OF OUR INSTALLATION
- 3. STORMTECH'S REQUIREMENT'S FOR SYSTEMS WITH PAVEMENT DESIGN (ASPHALT, CONCRETE PAVERS, ETC.): MINIMUM COVER IS 18 INCHES NOT INCLUDING PAVEMENT; MAXIMUM COVER IS 96 INCHES INCLUDING PAVEMENT. FOR INSTALLATIONS THAT DO NOT INCLUDE PAVEMENT, WHERE RUTTING FROM VEHICLES MAY OCCUR, MINIMUM REQUIRED COVER IS 24 INCHES, MAXIMUM COVER IS 96 INCHES.
- 4. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE DESIGN ENGINEER.
- 5. AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE (FILTER FABRIC) MUST BE USED AS INDICATED IN THE PROJECT PLANS. 6. STONE PLACEMENT BETWEEN CHAMBERS ROWS AND AROUND PERIMETER MUST FOLLOW INSTRUCTIONS AS INDICATED
- IN THE MOST CURRENT VERSION OF STORMTECH'S INSTALLATION INSTRUCTIONS.
- 7. BACKFILLING OVER THE CHAMBERS MUST FOLLOW REQUIREMENTS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH'S INSTALLATION INSTRUCTIONS.
- 8. THE CONTRACTOR MUST REFER TO STORMTECH'S INSTALLATION INSTRUCTIONS FOR A TABLE OF ACCEPTABLE VEHICLE. LOADS AT VARIOUS DEPTHS OF COVER. THIS INFORMATION IS ALSO AVAILABLE AT STORMTECH'S WEBSITE: WWW.ADS-PIPE.COM. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING VEHICLES THAT EXCEED STORMTECH'S REQUIREMENTS FROM TRAVELING ACROSS OR PARKING OVER THE STORMWATER SYSTEM. TEMPORARY FENCING, WARNING TAPE, AND APPROPRIATELY LOCATED SIGNS ARE COMMONLY USED TO PREVENT UNAUTHORIZED VEHICLES FROM ENTERING SENSITIVE CONSTRUCTION AREAS.
- 9. THE CONTRACTOR MUST APPLY EROSION AND SEDIMENT CONTROL MEASURES TO PROTECT THE STORMWATER SYSTEM DURING ALL PHASES OF SITE CONSTRUCTION PER LOCAL CODES AND DESIGN ENGINEER'S SPECIFICATIONS.
- 10. STORMTECH PRODUCT WARRANTY IS LIMITED. SEE CURRENT PRODUCT WARRANTY FOR DETAILS. TO ACQUIRE A COPY CALL STORMTECH AT 1-888-892-2694 OR VISIT WWW.ADS-PIPT.COM.

CONSTRUCTION DETAILS PLATINUM TRUCK AND EQUIPMENT PHASE II

MAP 18 LOT 47 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE MERRIMACK COUNTY

OWNER:

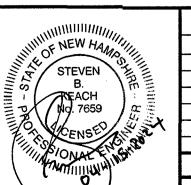
TK PROPERTY GROUP, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

APPLICANT: PLATINUM TRUCK AND EQUIPMENT, LLC

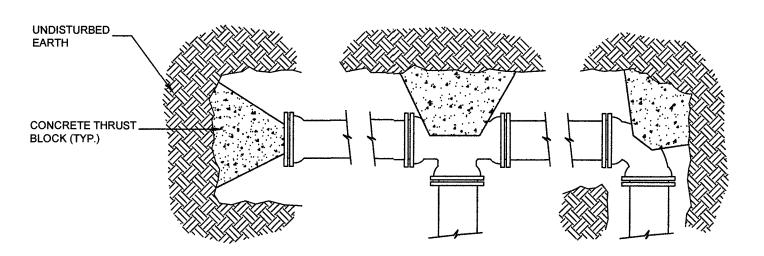
1380 HOOKSETT ROAD HOOKSETT, NH 03106



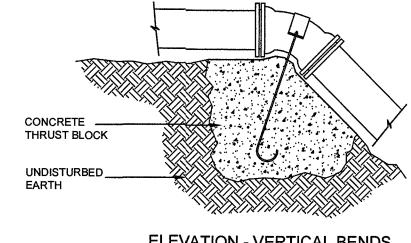
Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



	REVISIONS					
	No.	DATE	DESC	CRIPTION	BY	
	1	3/27/24	REVISED PER I	REVIEW COMMENTS	MCH	
χ						
					ļ .	
	DATE: DECEMBER 14, 2023 SCALE: AS SHOWN					
	PROJECT NO: 20-1022-5 SHEET 11 OF 1					



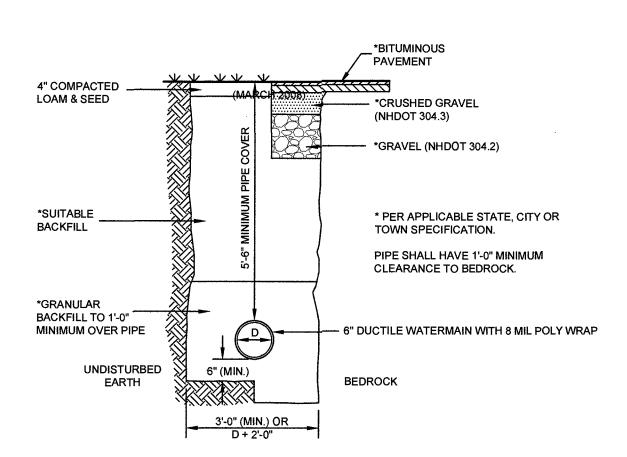
PLAN - HORIZONTAL BENDS, TEES AND PLUGS



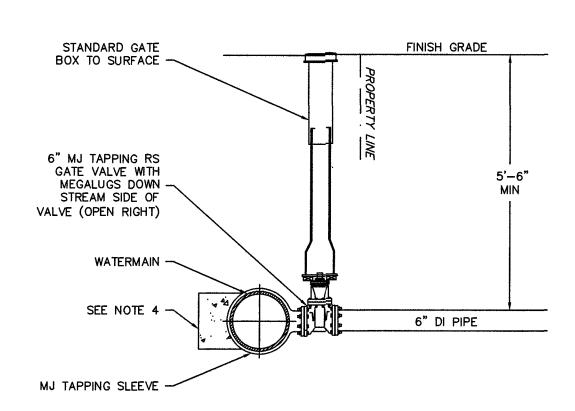
ELEVATION - VERTICAL BENDS

- 1. THRUST BLOCK DIMENSIONS TO BE DETERMINED IN FIELD BY ENGINEER BASED ON PIPE SIZE, WATER PRESSURE AND SOIL TYPE.
- 2. STONE BACKING MAY BE SUBSTITUTED FOR CONCRETE THRUST BLOCKS PROVIDED THE STONE(S) ARE OF EQUAL SIZE AND BEAR ON
- 3. USE OF JOINT RESTRAINT SYSTEMS SHALL NOT ELIMINATE THRUST BLOCK REQUIREMENTS (WHERE POSSIBLE).

THRUST BLOCKS NOT TO SCALE (MARCH 2008)

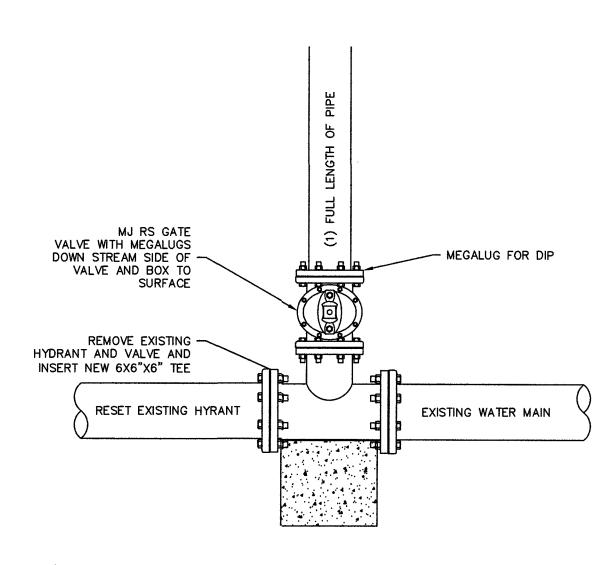


WATER LINE TRENCH DETAIL NOT TO SCALE



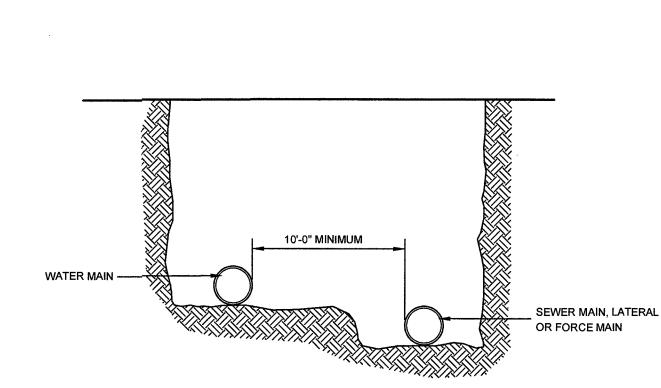
- NOTES:

 1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO CENTRAL HOOKSETT WATER TECHNICAL SPECIFICATIONS.
- 2. ALL PIPES SHOULD HAVE A MINIMUM DEPTH OF 5'-6" FROM TOP OF PIPE TO FINISH GRADE.
- 3. ALL THREADED RODS AND NUTS MUST BE STAINLESS STEEL.
- CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATERMAIN.



NOTES:
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO CENTRAL HOOKSETT WATER TECHNICAL SPECIFICATIONS.

ALL PIPES SHOULD HAVE A MINIMUM DEPTH OF 5'-6" FROM TOP OF PIPE TO FINISH GRADE.



SERVICE PIPE

WATER SERVICE CONNECTION

NOT TO SCALE

(MARCH 2008)

PAVEMENT ELEVATION

- CORPORATION

SET TO FINISH ----

SERVICE BOX _ AND ROD

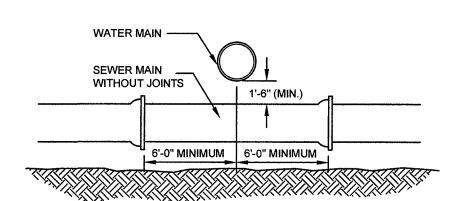
12" MINIMUM

6" MINIMUM COMPACTED

BEDDING

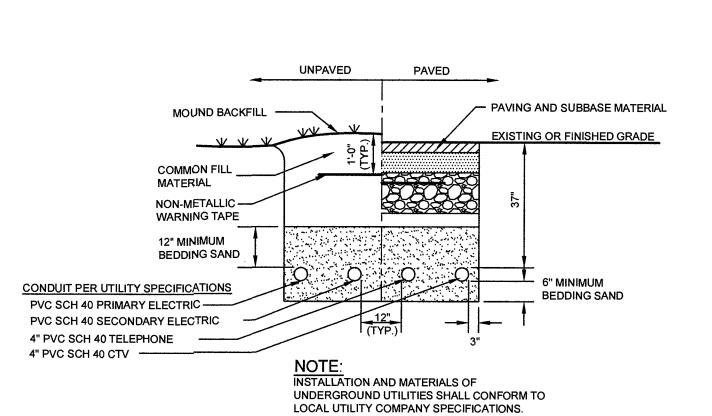
SAND BLANKET

PARALLEL INSTALLATION

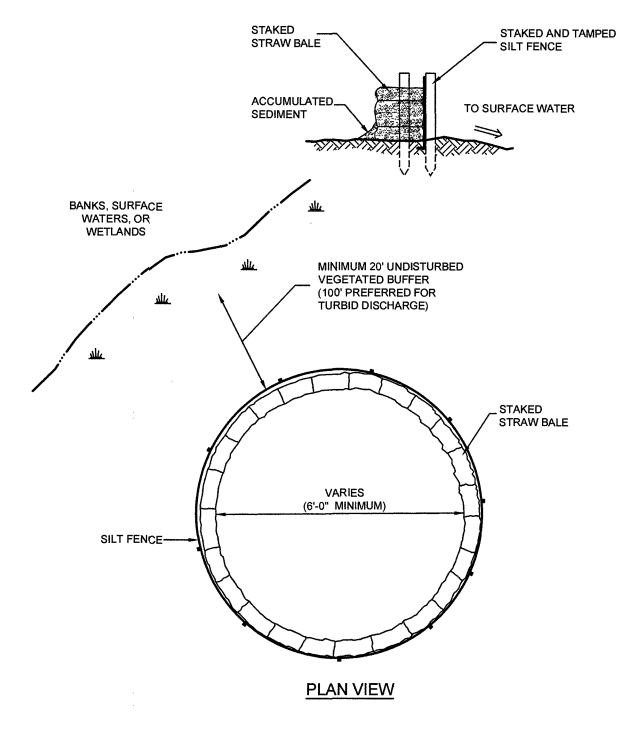


MAIN CROSSINGS

WATER PIPE/SEWER PIPE SEPARATION NOT TO SCALE (MARCH 2008)



UTILITY TRENCH DETAIL NOT TO SCALE (MARCH 2008)



CONSTRUCTION DETAILS PLATINUM TRUCK AND EQUIPMENT PHASE II

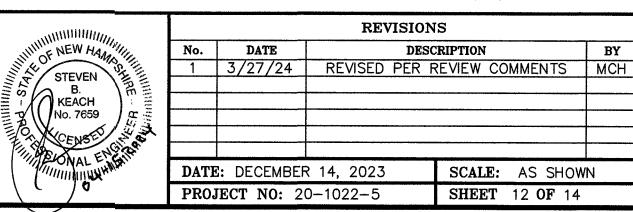
SEDIMENT RETENTION BASIN NOT TO SCALE (AUGUST 2013)

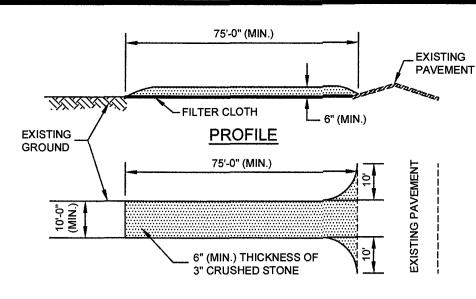
MAP 18 LOT 47 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE MERRIMACK COUNTY

OWNER: TK PROPERTY GROUP, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

APPLICANT: PLATINUM TRUCK AND EQUIPMENT, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

KEACH-NORDSTROM ASSOCIATES, INC. Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881





PLAN VIEW

STABILIZED CONSTRUCTION EXIT DETAIL

NOT TO SCALE

MAINTENANCE:

MUD AND SOIL PARTICLES WILL EVENTUALLY CLOG THE VOIDS IN THE CRUSHED STONE AND THE EFFECTIVENESS OF THE CRUSHED STONE PAD WILL NOT BE SATISFACTORY. WHEN THIS OCCURS, THE PAD SHOULD BE TOPDRESSED WITH NEW CRUSHED STONE OR COMPLETE REPLACEMENT OF THE PAD MAY BE NECESSARY WHEN THE PAD BECOMES COMPLETELY CLOGGED.

IF WASHING FACILITIES ARE USED, THE SEDIMENT TRAPS SHOULD BE CLEANED OUT AS OFTEN AS NECESSARY TO ASSURE THAT ADEQUATE TRAPPING EFFICIENCY AND STORAGE VOLUME IS AVAILABLE. VEGETATIVE FILTER STRIPS SHOULD BE MAINTAINED TO INSURE A VIGOROUS STAND OF VEGETATION AT ALL TIMES.

CONSTRUCTION SPECIFICATIONS:

- STONE FOR A STABILIZED CONSTRUCTION EXIT SHALL BE 3 INCH STONE, RECLAIMED STONE OR RECYCLED
- 2. THE LENGTH OF THE STABILIZED EXIT SHALL NOT BE LESS THAN 75 FEET.

STAKE ON 10'

WATER FLOW

2"x2" WOODEN ---

FILTREXX[®]SILTSOXX[™]

WORK AREA

APPROVED EQUAL

WORK AREA

LINEAL SPACING

PLAN VIEW

SECTION VIEW

NOTES:

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS

2. SILTSOXX COMPOST/SOIL/ROCK/SEED FILL TO MEET

MAY REQUIRE LARGER SOCKS PER THE ENGINEER.

3. SILTSOXX DEPICTED IS FOR MINIMUM SLOPES. GREAT SLOPES

4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED

FILTREXX® SILTSOXX®DETAIL

APPLICATION REQUIREMENTS.

AREA TO BE

¯SILTSOXX(™)

- 3. THE THICKNESS OF THE STONE FOR THE STABILIZED EXIT SHALL NOT BE LESS THAN 6 INCHES.
- 4. THE WIDTH OF THE EXIT SHALL NOT BE LESS THAN THE FULL WIDTH OF THE AREA WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICHEVER IS GREATER.
- 5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
- 6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION EXIT SHALL BE PIPED BENEATH THE EXIT. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
- WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

CONSTRUCTION SPECIFICATIONS:

- 1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
- 2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
- 3. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIE OR STAPLES WHERE NOTED OR AS DIRECTED BY DESIGN ENGINEER.
- 4. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MIDSECTION AND BOTTOM.
- 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND
- 6. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE
- 7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT

MAINTENANCE:

1-3/4"x 1-3/4"x 4' WOOD STAKE,

36" MINIMUM

LENGTH 1-3/4"x1-3/4"

SILTSAK NOTES:

HI-FLOW

STANDARDS AS FOLLOWS:

FOLLOWING PROPERTIES:

FENCE POST 10'-0"

O.C. MAXIMUM

UNDISTURBED

GROUND

OR APPROVED EQUAL

SILT FENCE MIRAFI 100X,

OR APPROVED EQUAL

SECTION

DOWNHILL SIDE

WOVEN WIRE FENCE

EMBED FILTER CLOTH

SILT FENCE DETAIL

(MARCH 2008)

MINIMUM 8" INTO GROUND

NON-WOVEN FILTER CLOTH

6"x6"x14,5 GAGE

- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE
- 2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE
- 4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

165.0 LBS/IN

114.6 LBS/IN

#5 REBAR-

SILTSAK REGULAR FLOW

GRAB ELONGATION

PUNCTURE

FLOW RATE

PERMITTIVITY

PROPERTY GRAB TENSILE

PUNCTURE MULLEN BURST

FLOW RATE

PERMITTIVITY

MULLEN BURST

UV RESISTANCE

TRAPEZOID TEAR

APPARENT OPENING

OR SILTSAK HI-FLOW

GRAB ELONGATION

TRAPEZOID TEAR

APPARENT OPENING

UV RESISTANCE

TEST METHOD ASTM D-4643

ASTM D-4631

ASTM D-4833

ASTM D-3786

ASTM D-4533

ASTM D-4355

ASTM D-4751

ASTM D-4491

ASTM D-4491

TEST METHOD ASTM D-4632

ASTM D-4632

ASTM D-4833

ASTM D-3786

ASTM D-4533

ASTM D-4355

ASTM D-4751

ASTM D-4491

ASTM D-4491

SILTSAK DETAIL

1. THE SILTSAK SHALL BE MANUFACTURED FROM WOVEN POLYPROPYLENE AND SEWN BY

A DOUBLE NEEDLE MACHINE, USING A HIGH STRENGTH NYLON THREAD.

ASTM D-4884

ASTM D-4884

DROP INLET. THE SILTSAK WILL HAVE THE FOLLOWING FEATURES:

SILTSAK FROM THE BASIN; AND

AND PLACED BACK INTO THE BASIN.

2. THE SILTSAK SEAMS HAVE A CERTIFIED WIDE WIDTH STRENGTH PER ASTM D-4884

3. THE SILTSAK WILL BE MANUFACTURED TO FIT THE OPENING OF THE CATCH BASIN OR

A. TWO DUMP STRAPS ATTACHED AT THE BOTTOM TO FACILITATE THE EMPTYING

A. LIFTING LOOPS AS AN INTEGRAL PART OF THE SYSTEM TO BE USED TO LIFT THE

SIDES AWAY FROM THE CATCH BASIN WALLS. THIS YELLOW CORD IS ALSO A

VISIBLE MEANS OF INDICATING WHEN THE SACK SHOULD BE EMPTIED, CLEANED

B. A RESTRAINT CORD APPROXIMATELY HALFWAY UP THE SACK TO KEEP THE

4. THE GEOTEXTILE FABRIC SHALL BE WOVEN POLYPROPYLENE FABRIC WITH THE

GEOTEXTILE FABRIC OF FILTER MATERIAL TO BE **SECTION A-A** PLACED BETWEEN SOIL

PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL

NOT TO SCALE						
LOCATION	La	W1	W2	d50	DEPTH	
FES#1	12'	4'	8'	4"	10"	

GRATE (SEE

TEST RESULT 300 LBS.

120 LBS.

800 PSI

120 LBS.

0.55 SEC.

135 LBS.

420 PSI

45 LBS.

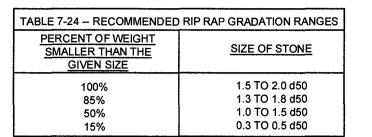
1.5 SEC.

20 US SIEVE

20 GAL./MIN./FT2

40 US SIEVE

40 GAL./MIN./FT2



CONSTRUCTION SPECIFICATIONS:

- 1. THE SUBGRADE FOR THE FILTER MATERIAL. GEOTEXTILE FABRIC AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
- THE ROCK OR GRAVEL USED FOR FILTER OR RIP RAP SHALL CONFORM TO THE SPECIFIED GRADATION.
- 3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
- 4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

MAINTENANCE:

THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR RAIN EVENT. IF THE RIP RAP HAS BEEN DISPLACED, UNDERMINED, OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.

EROSION CONTROL NOTES

- 1. EXPOSED EARTHWORK SHALL BE CONFINED TO AS LIMITED AN AREA AS IS PRACTICAL AT ANY GIVEN TIME THROUGHOUT THE CONSTRUCTION SEQUENCE. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABILIZED
- CONDITION FOR A PERIOD OF TIME EXCEEDING FORTY-FIVE (45) CALENDAR DAYS. 2. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN THE FIELD CONDITION, OR FIELD OPERATION OF THE INDIVIDUAL SITE CONTRACTOR, MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL
- BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OF RAINFALL OR MORE. THEY SHALL BE CLEANED AND MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATING MANNER THROUGHOUT THE CONSTRUCTION PERIOD 3. ALL DISTURBED AREAS DESIGNATED TO BE TURF, SHALL RECEIVE A MINIMUM APPLICATION OF 4 INCHES OF LOAM (COMPACTED THICKNESS), PRIOR TO FINAL SEEDING AND MULCHING.

4. ALL SWALES AND DITCHLINES SHALL BE PERIODICALLY CLEANED OF DEPOSITED SEDIMENT SO AS TO MAINTAIN AN

- EFFECTIVE GRADE AND CROSS SECTION. ALL SWALES AND DITCHLINES SHALL BE FULLY STABILIZED PRIOR TO HAVING STORMWATER DIRECTED TOWARDS THEM.
- 5. IN THE EVENT THAT, DURING CONSTRUCTION OF ANY PORTION OF THIS PROJECT, A WINTER SHUTDOWN IS NECESSARY, THE CONTRACTOR SHALL STABILIZE ALL INCOMPLETE WORK AND PROVIDE FOR SUITABLE METHODS OF
- DIVERTING RUNOFF IN ORDER TO ELIMINATE SHEET FLOW ACROSS FROZEN SURFACES.
- 6. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED: A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED;
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED:
 - A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR
- EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED. 7. DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD, IN ACCORDANCE WITH ENV-A 1000
- 8. IN NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.
- 9. AREAS HAVING FINISH GRADE SLOPES OF 3: 1 OR STEEPER, SHALL BE STABILIZED WITH JUTE MATTING WHEN AND IF FIELD CONDITIONS WARRANT, OR IF SO ORDERED. JUTE MATTING INSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINED IN VOLUME 3 OF THE NEW HAMPSHIRE STORMWATER MANUAL "EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION." 10. ALL DETENTION PONDS AND TREATMENT SWALES SHALL BE CONSTRUCTED PRIOR TO ANY EARTH MOVING ACTIVITIES
- THAT WILL INFLUENCE STORMWATER RUNOFF. SEDIMENT TRAPS AND/OR BASINS SHOULD BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL PONDS AND SWALES ARE STABILIZED.
- 11. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. 12. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

WINTER CONSTRUCTION NOTES:

- ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 4:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN
- GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS
- APPROPRIATE FOR THE DESIGN FLOW CONDITIONS. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3 OR, IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER
- SEASON, BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT. 4. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED
- A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED;
 - B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

CONSTRUCTION DETAILS PLATINUM TRUCK AND EQUIPMENT PHASE II

MAP 18 LOT 47 1380 HOOKSETT ROAD HOOKSETT, NEW HAMPSHIRE MERRIMACK COUNTY

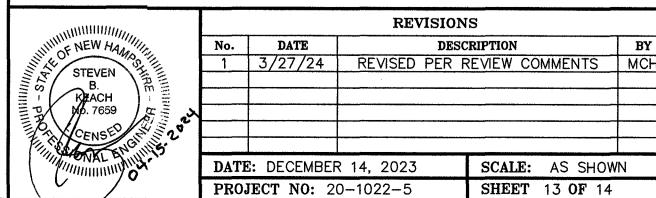
OWNER: TK PROPERTY GROUP, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

PLATINUM TRUCK AND EQUIPMENT, LLC 1380 HOOKSETT ROAD HOOKSETT, NH 03106

APPLICANT:



Civil Engineering Land Surveying Landscape Architecture 10 Commerce Park North, Suite 3B, Bedford, NH 03110 Phone (603) 627-2881



MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE AND SHALL BE SC150BN BLANKETS BY NORTH AMERICAN GREEN OR APPROVED TAMP SOIL OVER MAT/BLANKET FILTREXX[®]COMPOST MINIMUM 4" **OVERLAP** AREA TO BE PROTECTED 0.14 STAPLES

WORK

AREA

FLOW

 \Longrightarrow

GROUND

8" EMBEDMENT

PLACE 4" OF FABRIC ----

ALONG TRENCH AWAY

BACKFILL AND TAMP

FROM PROTECTED AREA

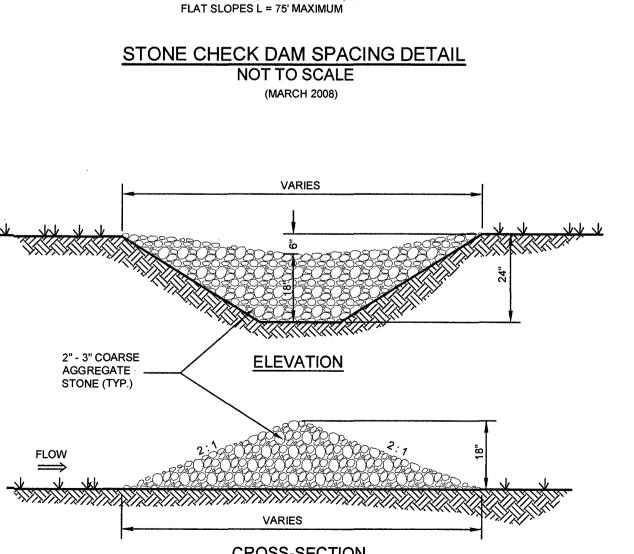
PERSPECTIVE VIEV

ISOMETRIC VIEW 4'-0" (1.2m)

- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
- 2. APPLY PERMANENT SEEDING BEFORE PLACING 3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE
- TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH. 4. THERE SHALL BE NO PLASTIC, OR MULTI-FILAMENT OR MONOFILAMENT

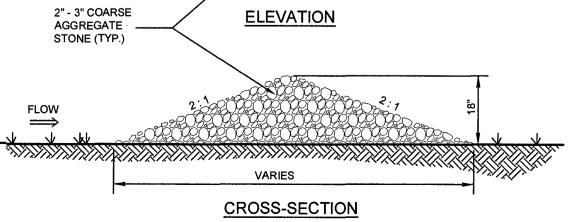


EROSION CONTROL BLANKETS - SLOPE INSTALLATION NOT TO SCALE (AUGUST 2011)

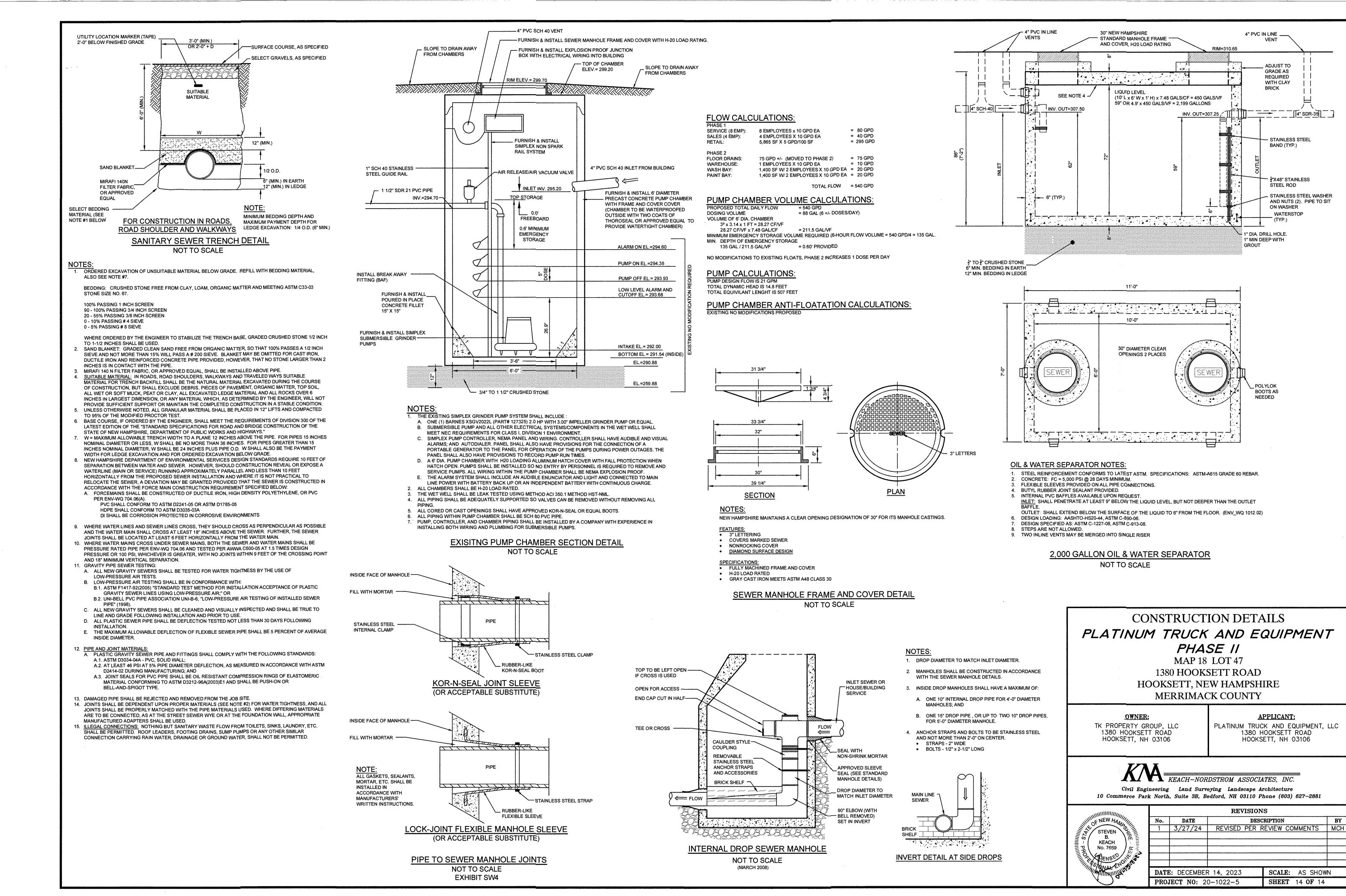


L = THE DISTANCE SUCH THAT POINTS A

AND B ARE EQUAL ELEVATION, OR FOR



STONE CHECK DAM DETAIL NOT TO SCALE (MARCH 2008)















PLATINUM TRUCK AND EQUIPMENT ~ PHASE 2