

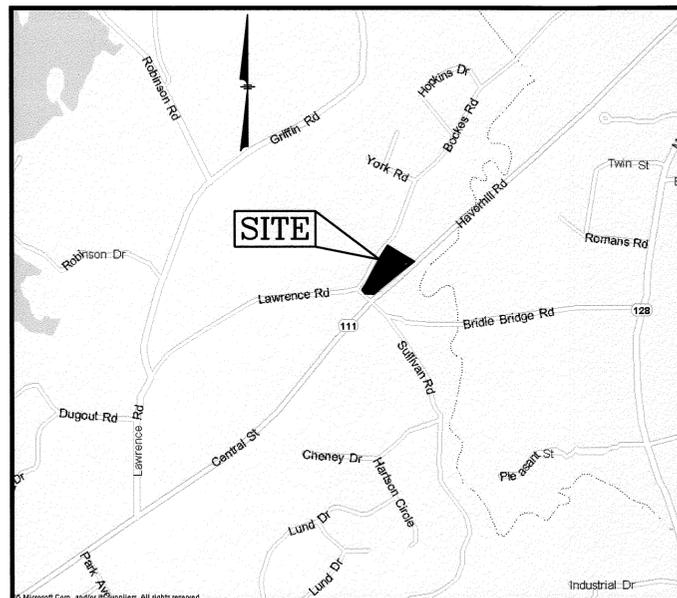
# PROPOSED INTERSECTION IMPROVEMENTS

for

## PROPOSED RETAIL BUILDING NH ROUTE 111/LAWRENCE ROAD/BOCKES ROAD HUDSON, NEW HAMPSHIRE

Prepared for:

### DEEPAK SHARMA

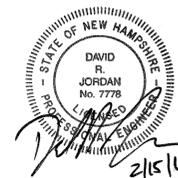


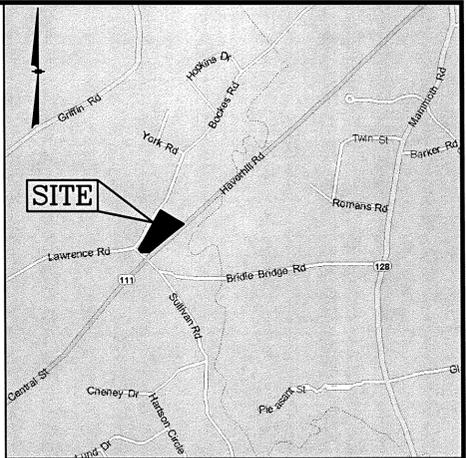
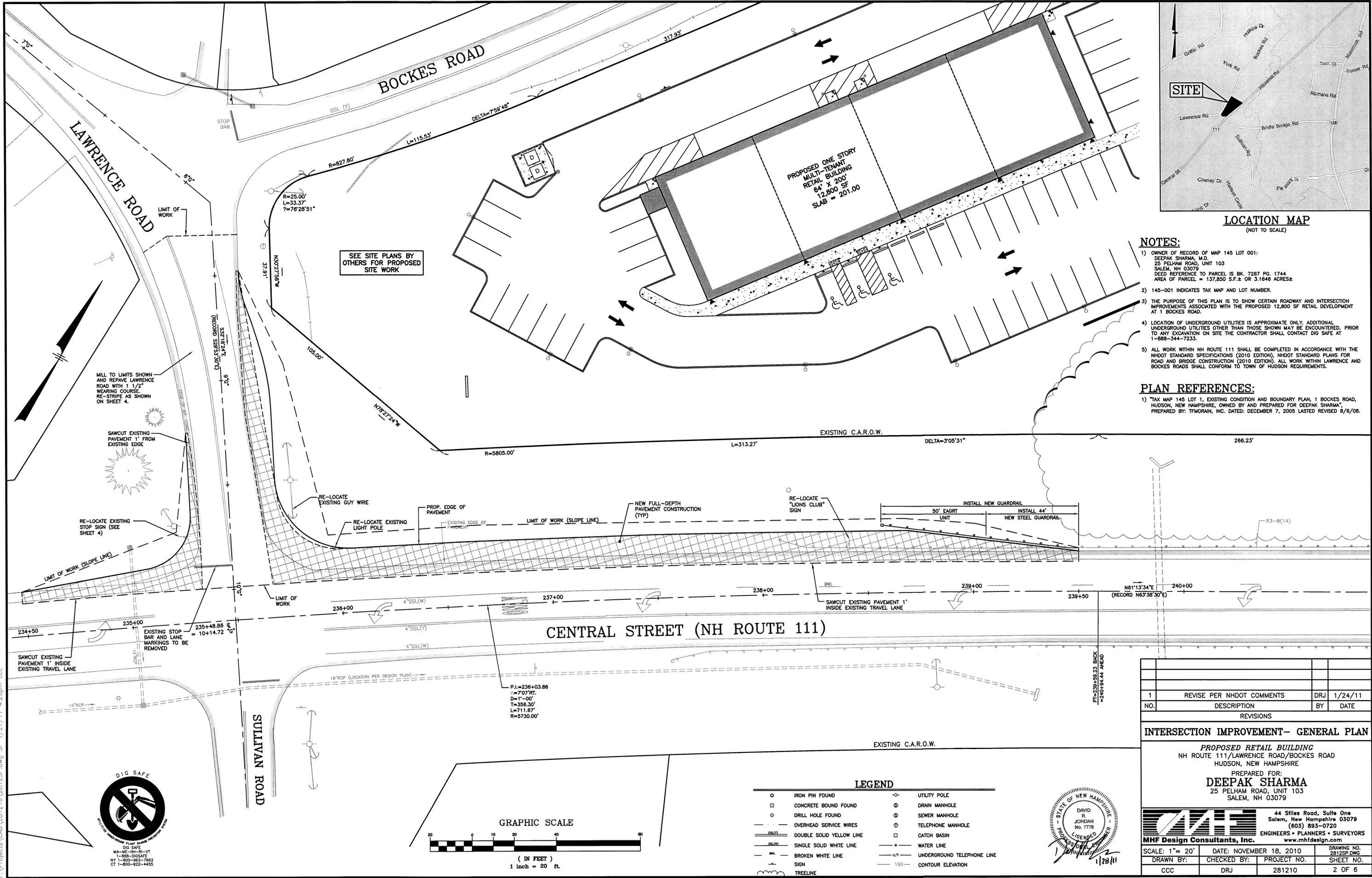
**LOCATION MAP**  
NOT TO SCALE

#### INDEX TO DRAWINGS

1. TITLE SHEET
2. GENERAL PLAN
3. GRADING & UTILITY PLAN
4. PAVEMENT LAYOUT, STRIPING & SIGNAGE
5. DETAILS
6. CROSS SECTIONS

NO.	DESCRIPTION	BY	DATE
2	REVISE SHEET 4	DRJ	2/15/11
1	REVISE PER NHDOT COMMENTS	DRJ	1/24/11
REVISIONS			
<b>TITLE SHEET</b>			
<b>PROPOSED RETAIL BUILDING</b> NH ROUTE 111/LAWRENCE ROAD/BOCKES ROAD HUDSON, NEW HAMPSHIRE PREPARED FOR: <b>DEEPAK SHARMA</b> 25 PELHAM ROAD, UNIT 103 SALEM, NH 03079			
 <b>MHF Design Consultants, Inc.</b>		44 Stiles Road, Suite One Salem, New Hampshire 03079 (603) 893-0720 ENGINEERS • PLANNERS • SURVEYORS www.mhfdesign.com	
SCALE: NONE	DATE: NOVEMBER 18, 2010	DRAWING NO. 2812CVR.DWG	
DRAWN BY: CCC	CHECKED BY: DRJ	PROJECT NO. 281210	SHEET NO. 1 OF 6





**LOCATION MAP**  
(NOT TO SCALE)

- NOTES:**
- OWNER OF RECORD OF MAP 145 LOT 001: DEEPAK SHARMA, M.D. 25 PELHAM ROAD, UNIT 103 SALEM, NH 03079 DEED REFERENCE TO PARCEL IS BK. 7267 PG. 1744 AREA OF PARCEL = 137,850 S.F. ± OR 3.1646 ACRES ±
  - 145-001 INDICATES TAX MAP AND LOT NUMBER.
  - THE PURPOSE OF THIS PLAN IS TO SHOW CERTAIN ROADWAY AND INTERSECTION IMPROVEMENTS ASSOCIATED WITH THE PROPOSED 12,800 SF RETAIL DEVELOPMENT AT 1 BOCKES ROAD.
  - LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY. ADDITIONAL UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-344-7233.
  - ALL WORK WITHIN NH ROUTE 111 SHALL BE COMPLETED IN ACCORDANCE WITH THE NHDOT STANDARD SPECIFICATIONS (2010 EDITION), NHDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (2010 EDITION). ALL WORK WITHIN LAWRENCE AND BOCKES ROADS SHALL CONFORM TO TOWN OF HUDSON REQUIREMENTS.

**PLAN REFERENCES:**

- TAX MAP 145 LOT 1, EXISTING CONDITION AND BOUNDARY PLAN, 1 BOCKES ROAD, HUDSON, NEW HAMPSHIRE, OWNED BY AND PREPARED FOR DEEPAK SHARMA, PREPARED BY: TFMORAIN, INC. DATED: DECEMBER 7, 2005 LATEST REVISED 8/6/08.

NO.	DESCRIPTION	BY	DATE
1	REVISE PER NHDOT COMMENTS	DRJ	1/24/11

REVISIONS

**INTERSECTION IMPROVEMENT- GENERAL PLAN**

**PROPOSED RETAIL BUILDING**  
NH ROUTE 111/LAWRENCE ROAD/BOCKES ROAD  
HUDSON, NEW HAMPSHIRE

PREPARED FOR:  
**DEEPAK SHARMA**  
25 PELHAM ROAD, UNIT 103  
SALEM, NH 03079

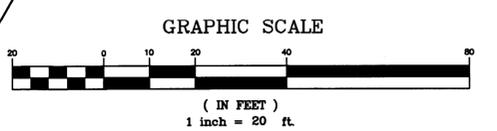
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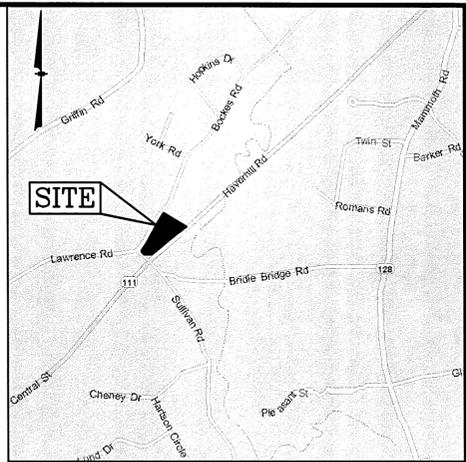
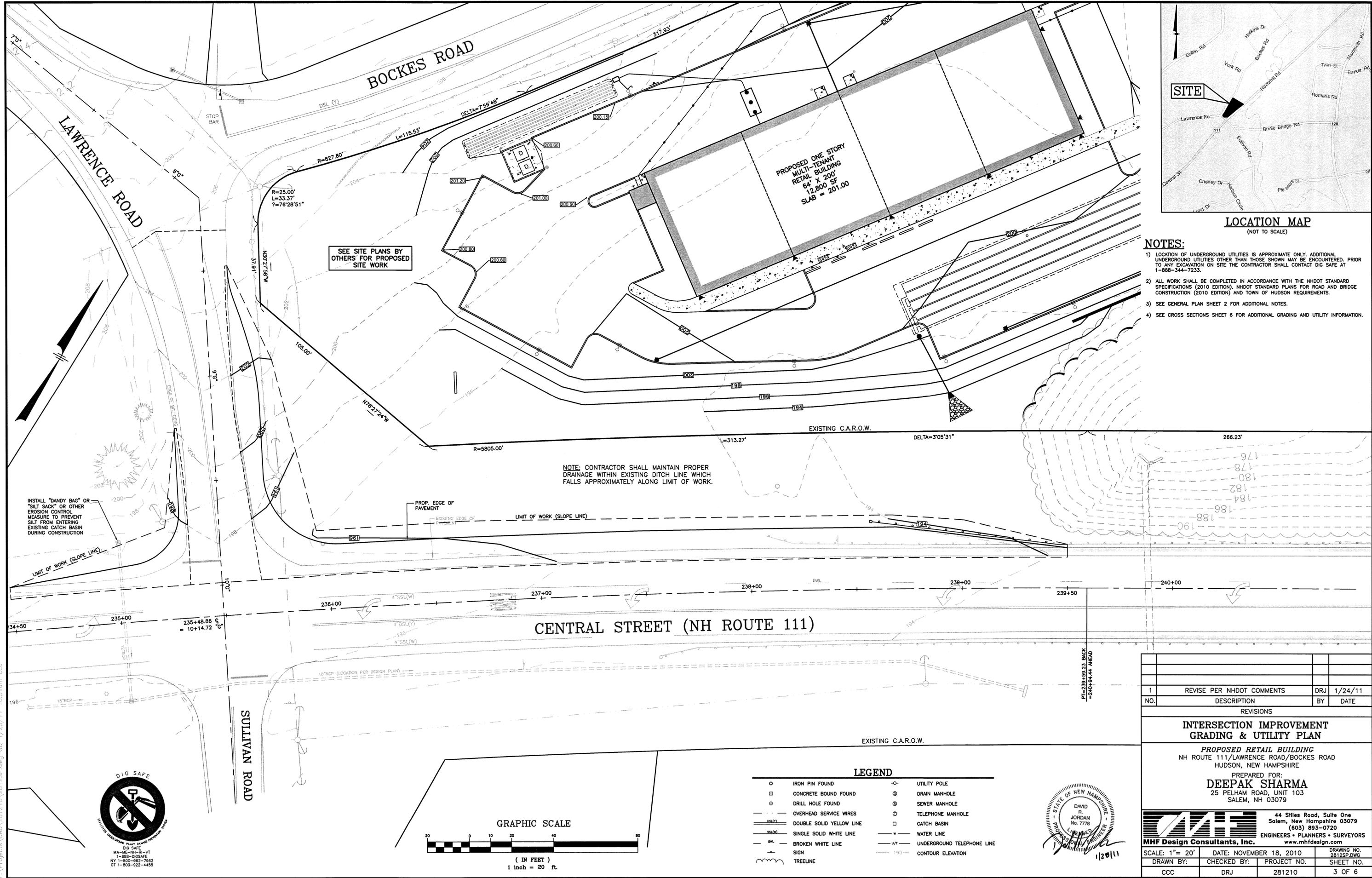
SCALE: 1" = 20' DATE: NOVEMBER 18, 2010 DRAWING NO. 2812SP.DWG  
DRAWN BY: CCC CHECKED BY: DRJ PROJECT NO. 281210 SHEET NO. 2 OF 6

**LEGEND**

○ IRON PIN FOUND	○ UTILITY POLE
□ CONCRETE BOUND FOUND	⊙ DRAIN MANHOLE
○ DRILL HOLE FOUND	⊙ SEWER MANHOLE
— OVERHEAD SERVICE WIRES	⊙ TELEPHONE MANHOLE
— DOUBLE SOLID YELLOW LINE	□ CATCH BASIN
— SINGLE SOLID WHITE LINE	— WATER LINE
— BROKEN WHITE LINE	— UNDERGROUND TELEPHONE LINE
— SIGN	— 190 — CONTOUR ELEVATION
— TREELINE	



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**LOCATION MAP**  
(NOT TO SCALE)

- NOTES:**
- 1) LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY. ADDITIONAL UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-344-7233.
  - 2) ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NHDOT STANDARD SPECIFICATIONS (2010 EDITION), NHDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (2010 EDITION) AND TOWN OF HUDSON REQUIREMENTS.
  - 3) SEE GENERAL PLAN SHEET 2 FOR ADDITIONAL NOTES.
  - 4) SEE CROSS SECTIONS SHEET 6 FOR ADDITIONAL GRADING AND UTILITY INFORMATION.

SEE SITE PLANS BY OTHERS FOR PROPOSED SITE WORK

PROPOSED ONE STORY MULTI-TENANT RETAIL BUILDING  
64' X 200'  
12,800 SF  
SLAB = 201.00

NOTE: CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE WITHIN EXISTING DITCH LINE WHICH FALLS APPROXIMATELY ALONG LIMIT OF WORK.

INSTALL "DANDY BAG" OR "SILT SACK" OR OTHER EROSION CONTROL MEASURE TO PREVENT SILT FROM ENTERING EXISTING CATCH BASIN DURING CONSTRUCTION

NO.	REVISIONS	BY	DATE
1	REVISE PER NHDOT COMMENTS	DRJ	1/24/11

**INTERSECTION IMPROVEMENT GRADING & UTILITY PLAN**

PROPOSED RETAIL BUILDING  
NH ROUTE 111/LAWRENCE ROAD/BOCKES ROAD  
HUDSON, NEW HAMPSHIRE

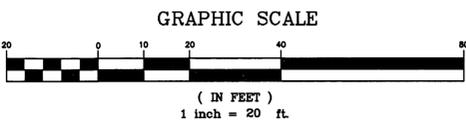
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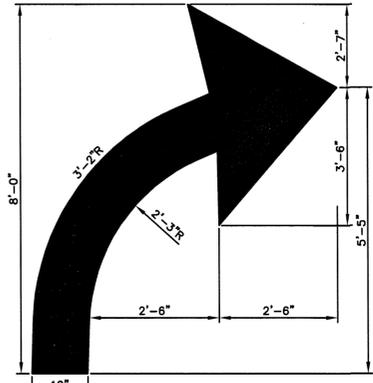
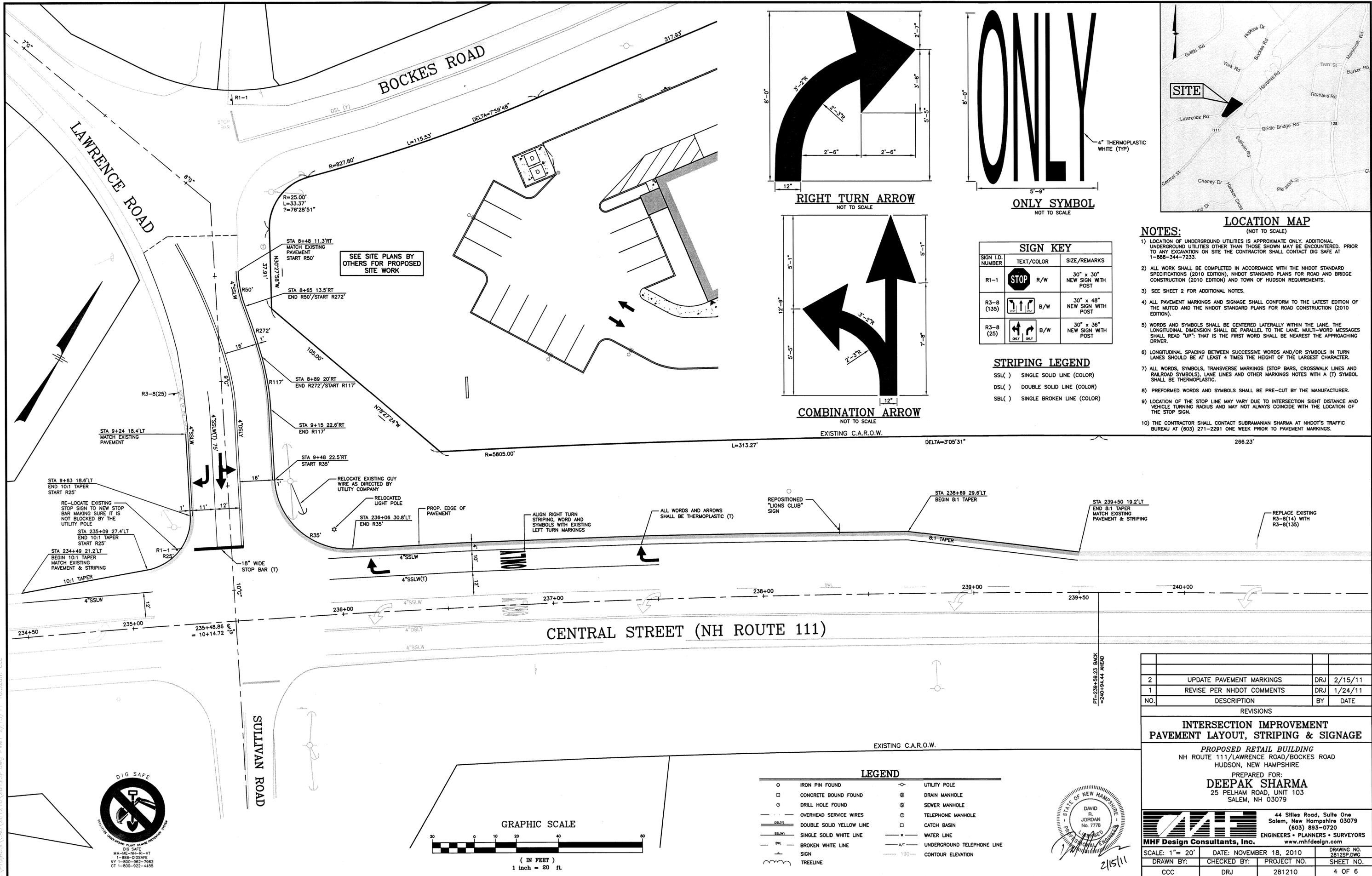
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CCC DRJ 281210 3 OF 6

**LEGEND**

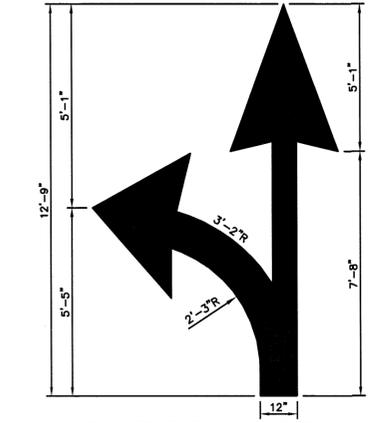
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□	CONCRETE BOUND FOUND	⊗	DRAIN MANHOLE
⊙	DRILL HOLE FOUND	⊕	SEWER MANHOLE
—	OVERHEAD SERVICE WIRES	⊖	TELEPHONE MANHOLE
—	DOUBLE SOLID YELLOW LINE	⊘	CATCH BASIN
—	SINGLE SOLID WHITE LINE	—	WATER LINE
—	BROKEN WHITE LINE	—	UNDERGROUND TELEPHONE LINE
—	SIGN	—	190
—	TREELINE		



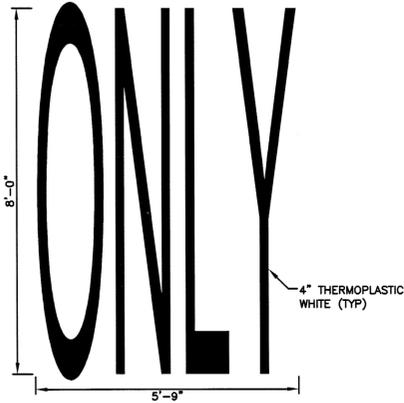
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**RIGHT TURN ARROW**  
NOT TO SCALE



**COMBINATION ARROW**  
NOT TO SCALE

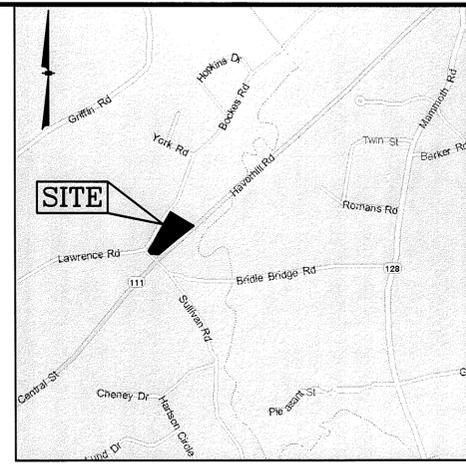


**ONLY SYMBOL**  
NOT TO SCALE

SIGN KEY		
SIGN I.D. NUMBER	TEXT/COLOR	SIZE/REMARKS
R1-1	STOP R/W	30" x 30" NEW SIGN WITH POST
R3-8 (135)	ONLY B/W	30" x 48" NEW SIGN WITH POST
R3-8 (25)	ONLY B/W	30" x 36" NEW SIGN WITH POST

**STRIPING LEGEND**

- SSL ( ) SINGLE SOLID LINE (COLOR)
- DSL ( ) DOUBLE SOLID LINE (COLOR)
- SBL ( ) SINGLE BROKEN LINE (COLOR)

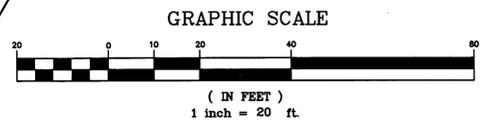


**LOCATION MAP**  
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- NOTES:**
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  - SEE SHEET 2 FOR ADDITIONAL NOTES.
  - ALL PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD AND THE NHDOT STANDARD PLANS FOR ROAD CONSTRUCTION (2010 EDITION).
  - WORDS AND SYMBOLS SHALL BE CENTERED LATERALLY WITHIN THE LANE. THE LONGITUDINAL DIMENSION SHALL BE PARALLEL TO THE LANE. MULTI-WORD MESSAGES SHALL READ "UP". THAT IS THE FIRST WORD SHALL BE NEAREST THE APPROACHING DRIVER.
  - LONGITUDINAL SPACING BETWEEN SUCCESSIVE WORDS AND/OR SYMBOLS IN TURN LANES SHOULD BE AT LEAST 4 TIMES THE HEIGHT OF THE LARGEST CHARACTER.
  - ALL WORDS, SYMBOLS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES AND RAILROAD SYMBOLS), LANE LINES AND OTHER MARKINGS NOTES WITH A (T) SYMBOL SHALL BE THERMOPLASTIC.
  - PERFORMED WORDS AND SYMBOLS SHALL BE PRE-CUT BY THE MANUFACTURER.
  - LOCATION OF THE STOP LINE MAY VARY DUE TO INTERSECTION SIGHT DISTANCE AND VEHICLE TURNING RADIUS AND MAY NOT ALWAYS COINCIDE WITH THE LOCATION OF THE STOP SIGN.
  - THE CONTRACTOR SHALL CONTACT SUBRAMANIAN SHARMA AT NHDOT'S TRAFFIC BUREAU AT (603) 271-2291 ONE WEEK PRIOR TO PAVEMENT MARKINGS.

**LEGEND**

- IRON PIN FOUND
- CONCRETE BOUND FOUND
- DRILL HOLE FOUND
- OVERHEAD SERVICE WIRES
- DOUBLE SOLID YELLOW LINE
- SINGLE SOLID WHITE LINE
- BROKEN WHITE LINE
- SIGN
- TREE LINE
- UTILITY POLE
- ⊙ DRAIN MANHOLE
- ⊙ SEWER MANHOLE
- ⊙ TELEPHONE MANHOLE
- CATCH BASIN
- WATER LINE
- UNDERGROUND TELEPHONE LINE
- CONTOUR ELEVATION



NO.	DESCRIPTION	BY	DATE
2	UPDATE PAVEMENT MARKINGS	DRJ	2/15/11
1	REVISE PER NHDOT COMMENTS	DRJ	1/24/11

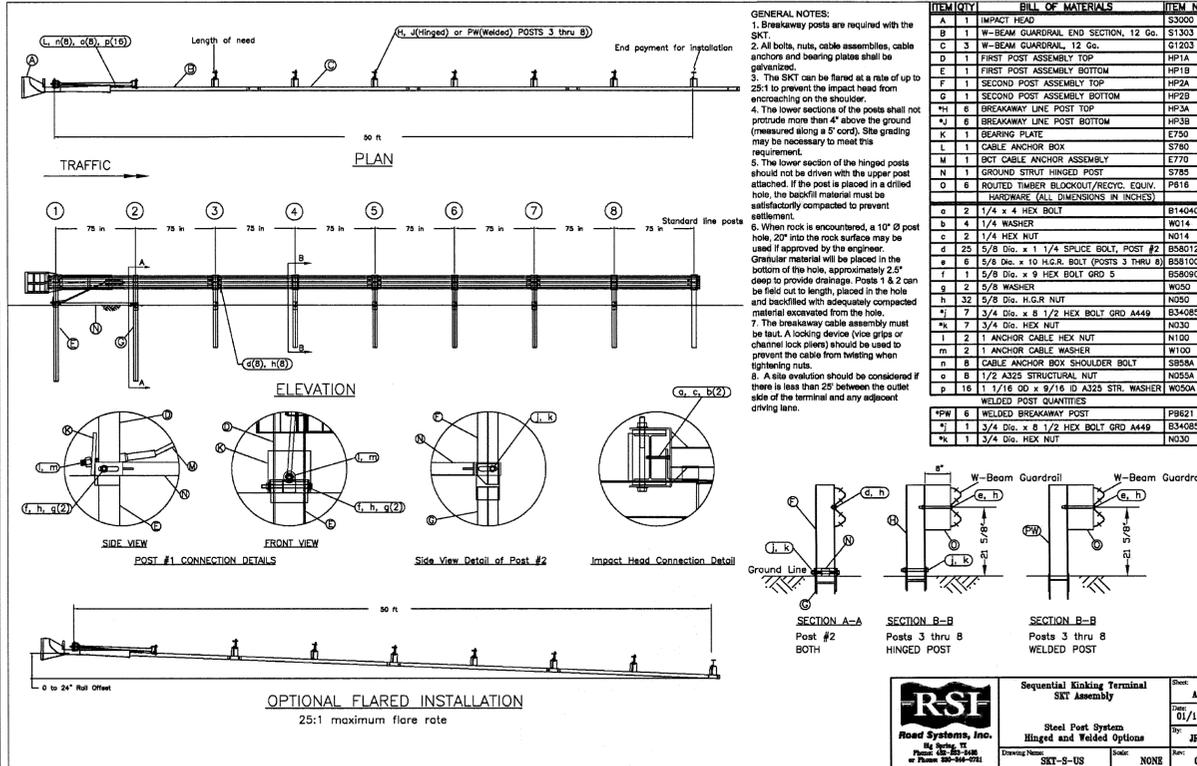
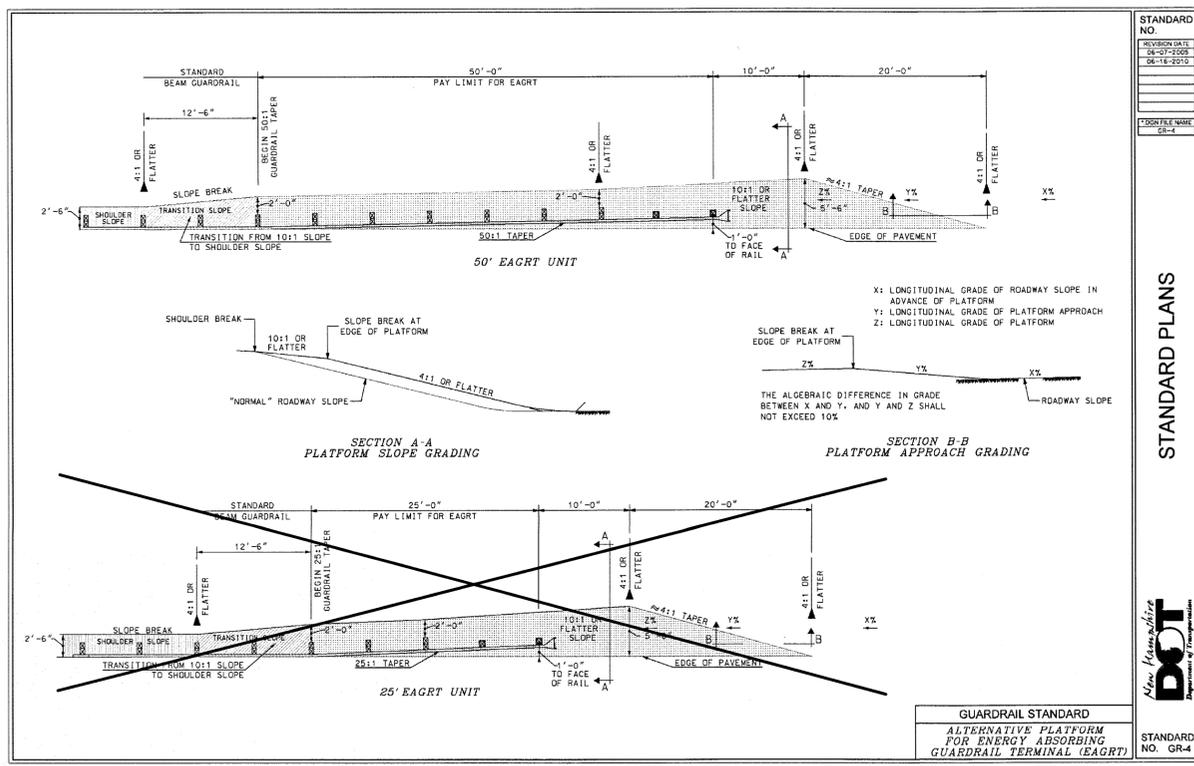
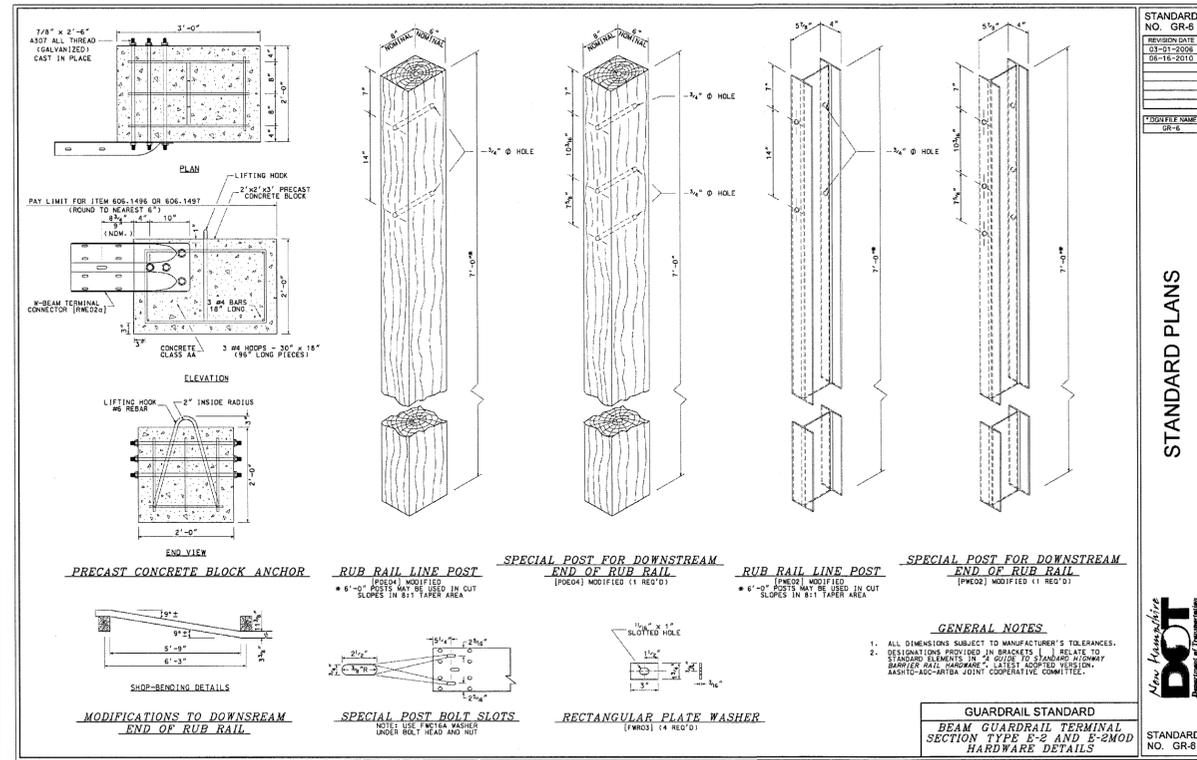
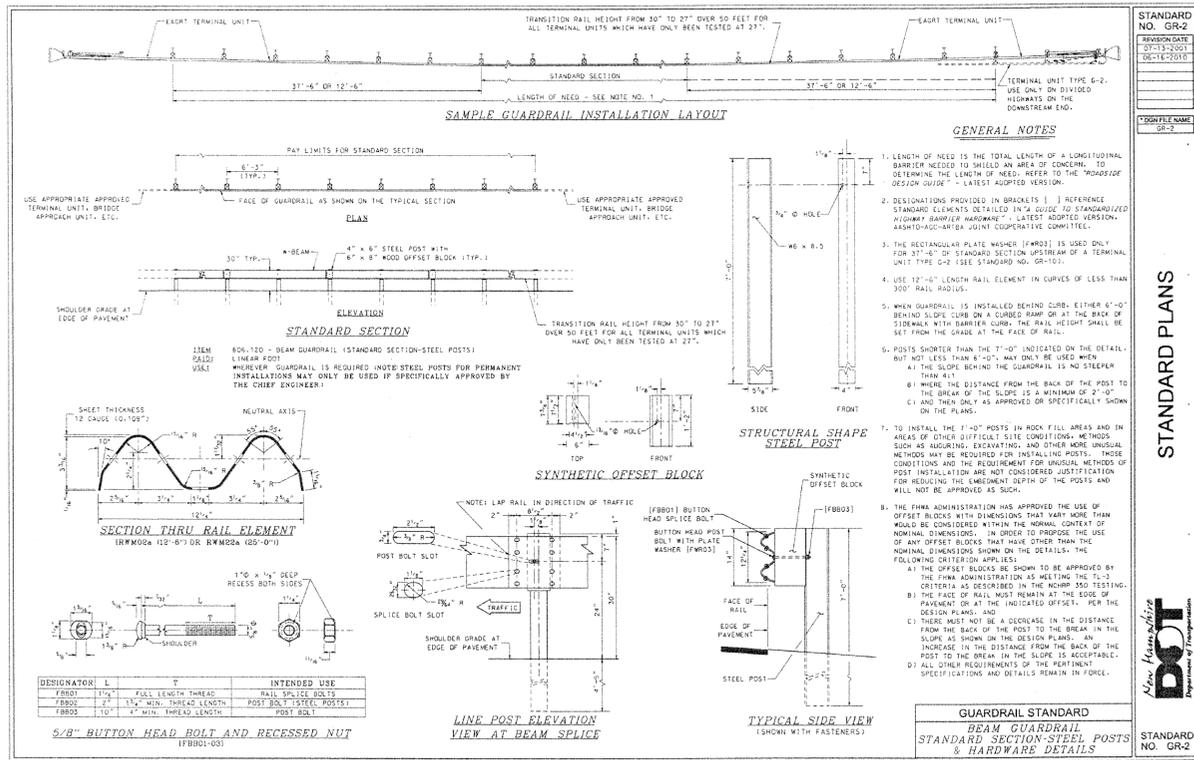
**INTERSECTION IMPROVEMENT PAVEMENT LAYOUT, STRIPING & SIGNAGE**

PROPOSED RETAIL BUILDING  
NH ROUTE 111/LAWRENCE ROAD/BOCKES ROAD  
HUDSON, NEW HAMPSHIRE  
PREPARED FOR:  
**DEEPAK SHARMA**  
25 PELHAM ROAD, UNIT 103  
SALEM, NH 03079

SCALE: 1" = 20'	DATE: NOVEMBER 18, 2010	DRAWING NO. 2812SP.DWG
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		SHEET NO. 4 OF 6

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 CT 1-800-922-4455





**REVISIONS**

NO.	DESCRIPTION	BY	DATE
1	REVISE PER NHDOT COMMENTS	DRJ	1/24/11

**INTERSECTION IMPROVEMENT- DETAILS**

**PROPOSED RETAIL BUILDING**  
 NH ROUTE 111/LAWRENCE ROAD/BOCKES ROAD  
 HUDSON, NEW HAMPSHIRE

PREPARED FOR:  
**DEEPAK SHARMA**  
 25 PELHAM ROAD, UNIT 103  
 SALEM, NH 03079

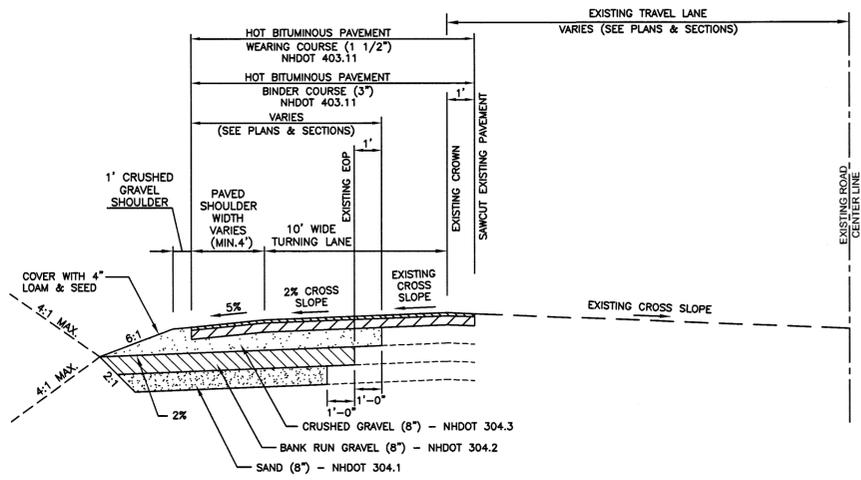
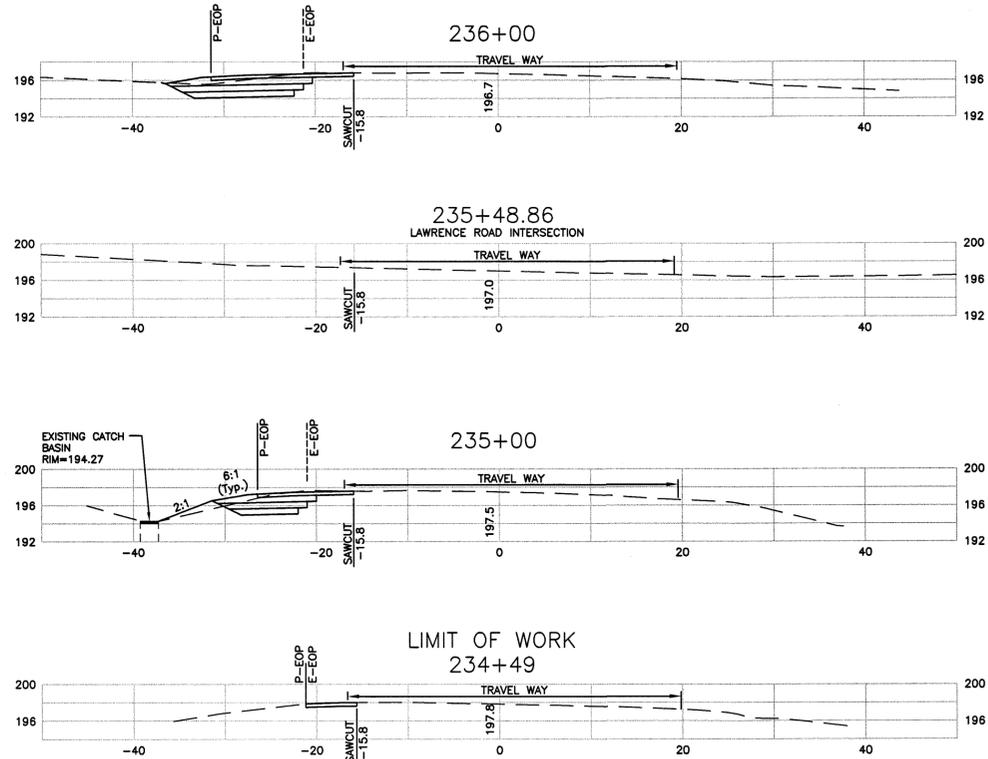
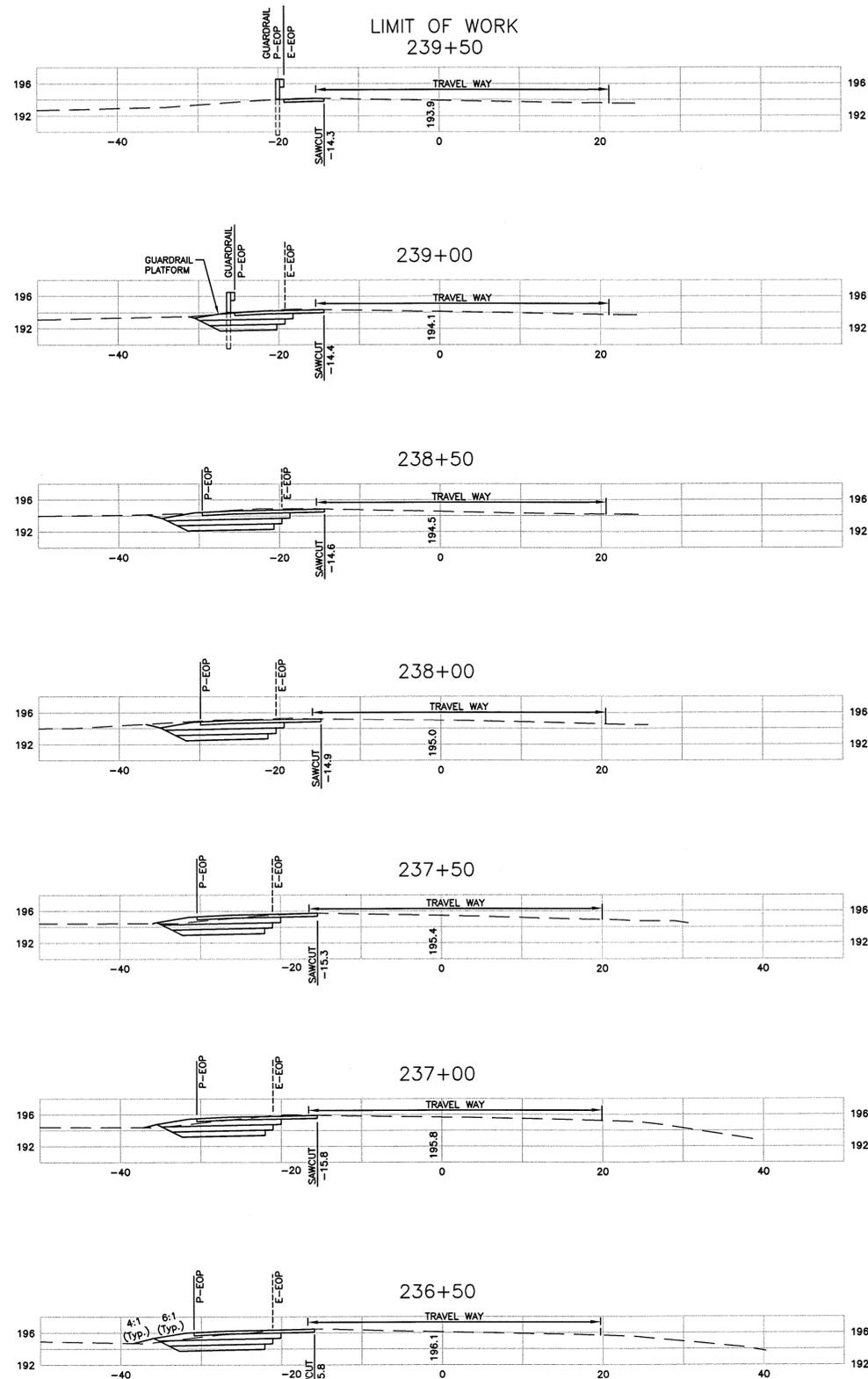
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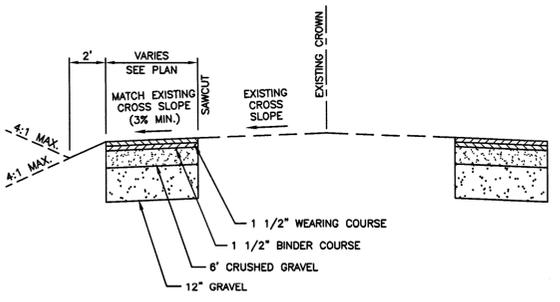
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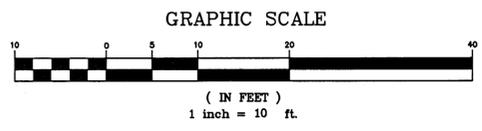


**NH ROUTE 111 TYPICAL SECTION**  
NOT TO SCALE

NOTE: THE DEPTH OF PAVEMENT AND ROAD BASE SHOWN ARE APPROXIMATE ONLY BASED ON ORIGINAL DESIGN PLANS FOR NH ROUTE 111. THE CONTRACTOR SHALL EXCAVATE AT LIMITS OF EXISTING BASE COURSES TO VERIFY AND MATCH DEPTH OF MATERIALS.



**LAWRENCE ROAD TYPICAL SECTION**  
NOT TO SCALE



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	DESCRIPTION		

**INTERSECTION IMPROVEMENT- CROSS SECTIONS**

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CCC	DRJ	281210	6 OF 6



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