

THE HOME DEPOT

SOMERSWORTH, NEW HAMPSHIRE

STORE

COMMERCIAL DRIVE

OWNER:

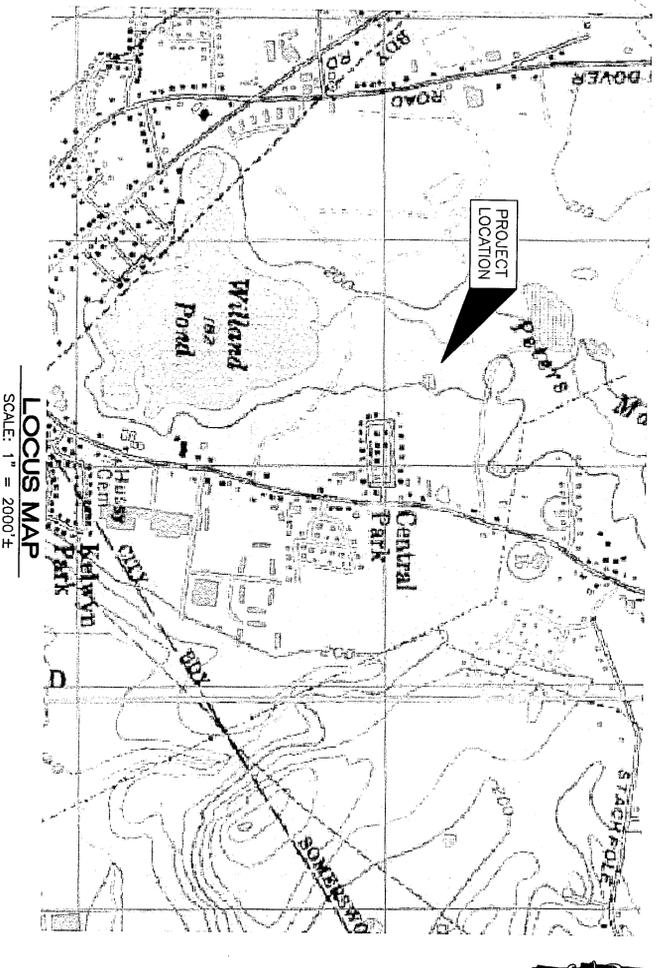
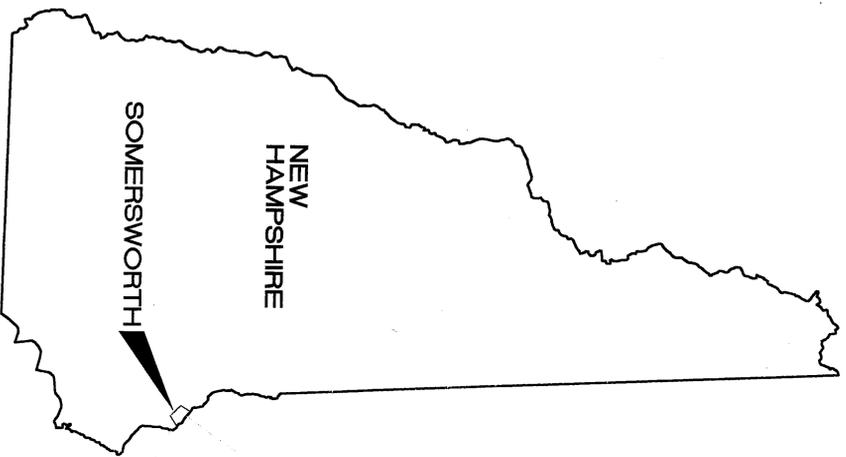
THE HOME DEPOT
 NEW ENGLAND DIVISION
 15 DAN ROAD
 CANTON, MA. 02021
 (781) 830-0407

ENGINEER:

PROVAN & LORBER, INC.
 53 MAPLE STREET
 P.O. BOX 389
 CONTOOCOOK, NH 03229
 (603) 746-3220

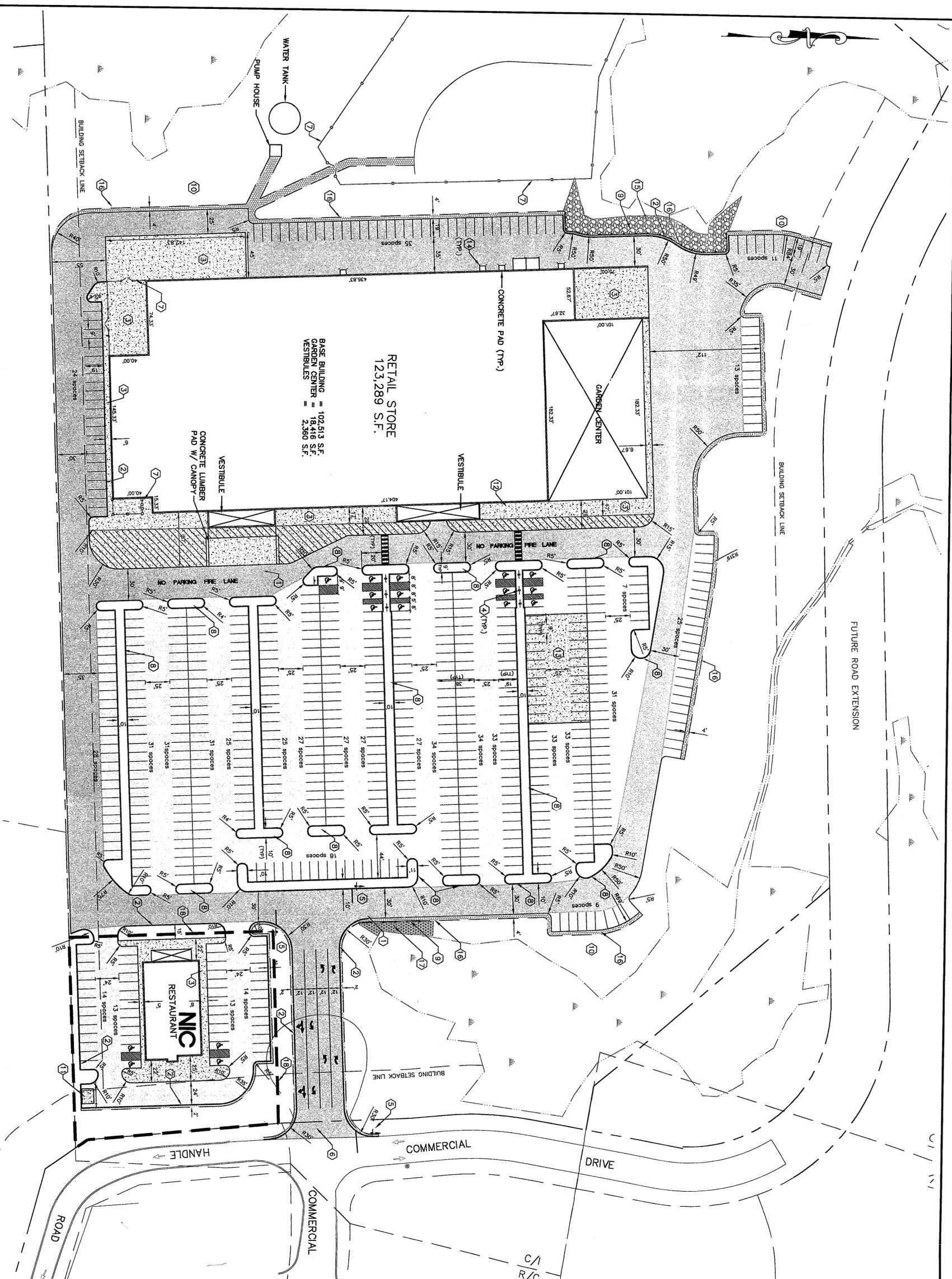
ARCHITECT:

GREENBERG FARROW ARCHITECTURE
 280 BRIDGE STREET, SUITE 100
 DEDHAM, MA 02026
 (781) 329-6866



SHEET INDEX

- SHEET C-1 SITE IMPROVEMENT PLAN
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FUTURE ROAD EXTENSION

BUILDING SETBACK LINE

CONCRETE PAD (TRP.)

RETAIL STORE
123,289 S.F.

BASE BUILDING = 102,513 S.F.
GARDEN CENTER = 18,416 S.F.
VESTIBULES = 2,360 S.F.

CONCRETE LUMBER
PAD W/ CANOPY

VESTIBULE

BUILDING SETBACK LINE

ROAD

COMMERCIAL DRIVE

COMMERCIAL ROAD

KEY NOTES

1. CONSTRUCT FULL DEPTH BITUMINOUS PAVEMENT.
2. CONSTRUCT VERTICAL GRANITE CURB.
3. CONSTRUCT REINFORCED CONCRETE PAVEMENT, WIDTH AS NOTED.
4. INSTALL HANDICAP PARKING SIGN R7-8 PER SECTION 2B-4 OF THE MUTCD.
5. INSTALL STOP SIGN R1-1 PER SECTION 2B-4 OF THE MUTCD.
6. SAWCUT PAVEMENT AND REMOVE EXISTING CUL-DE-SAC PAVEMENT, BASE, SUBBASE AND ASPHALT.
7. CONSTRUCT 8' HIGH CHAIN LINK FENCE WITH 8' GATE.
8. CONSTRUCT RAISED ISLAND WITH VERTICAL GRANITE CURB.
9. FURNISH & INSTALL GUARDRAIL.
10. SNOW STORAGE AREA.
11. CONSTRUCT CONCRETE DUMPSTER PAD, FURNISH & INSTALL 8' HIGH WOOD STOCKPILE FENCE AROUND DUMPSTER PAD W/ 6'-FOOT WIDE GATE.
12. FURNISH & INSTALL BICYCLE RACK. LOCATION TO BE DETERMINED IN THE FIELD.
13. CONCRETE PAD FOR 7000 SF SEASONAL SALES AREA.
14. BOLLARD
15. RIP-RAP SLOPE PROTECTION
16. CONSTRUCT GRAVEL SHOULDER, SLOPE AT 4% TOWARDS PAVEMENT.
17. JUTE MESH SLOPE PROTECTION
18. LIMIT OF WORK, RESTAURANT PARCEL NOT IN CONTRACT.

GENERAL NOTES

1. ALL WORK PERFORMED IN THE CITY OF SOMERSWORTH, NH, SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF SOMERSWORTH CONSTRUCTION STANDARDS.
2. THE INTERIOR OF THIS PLAN IS TO PREPARE SITE LAYOUT FOR TWO COMMERCIAL BUILDINGS AND ASSOCIATED SITE IMPROVEMENTS.
3. THE PROPOSED PROJECT IS LOCATED IN THE CITY OF SOMERSWORTH C/D DISTRICT.
4. THIS DRAWING WAS DEVELOPED FROM A SURVEY PREPARED BY TRITON ENGINEERING CORPORATION.
5. THE DESIGN DRAWINGS SUBMITTED BY PROVAN & LORBER, INC. ARE BASED ON BOUNDARY AND TOPOGRAPHIC SURVEYS BY TRITON ENGINEERING CORPORATION. ACTUAL FIELD CONDITIONS IN THE FIELD DURING CONSTRUCTION MAY REQUIRE DESIGN MODIFICATIONS. DESIGNER'S FIELD VERIFICATION OF ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION OPERATIONS IS REQUIRED. PROVAN & LORBER, INC. WILL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS DRAWING OR FOR ANY DAMAGE TO THOSE SPECIFIED RETARDING MATERIALS AND WORKMANSHIP.
6. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.
7. ALL EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
8. ALL WORK SHALL BE PERFORMED WITHIN THE PROPERTY OF AND EASEMENTS SECURED BY THE OWNER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATA COLLECTION AND PREPARATION OF RECORD DRAWINGS.
10. ALL CITY INSPECTIONS REQUIRE A MINIMUM OF 48 HOURS NOTICE.

LEGEND

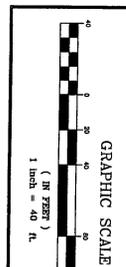
- WETLAND BOUNDARY
- BUILDING SETBACK
- CHAIN LINK FENCE
- ZONE LINE
- PROPERTY LINE
- ABUTTER LINE
- EDGE OF EXIST. PAVEMENT
- EDGE OF GRAVEL

SITE DATA

REQUIRED	PROVIDED
PARKING 617 (13 HC)	619 (13 HC)
RESTAURANT 50 (1 HC)	54 (1 HC)
MIN. BLDG. COVERAGE 40% (425,170 SF)	12.2% (129,480 SF)
MAX. BLDG. HEIGHT 35'	35'-0"
MIN. LOT AREA 40,000 SF	1,092,925 SF
MIN. LOT FRONTAGE 200'	>200'
MIN. SETBACKS 50'	>50'
FRONT SIDE/REAR 30'	>30'

PAVING LEGEND

- STANDARD ASPHALT
- HEAVY DUTY ASPHALT



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NO.	DATE	REVISION
1	4/23/03	ADDED WATER TANK AND PUMP HOUSE
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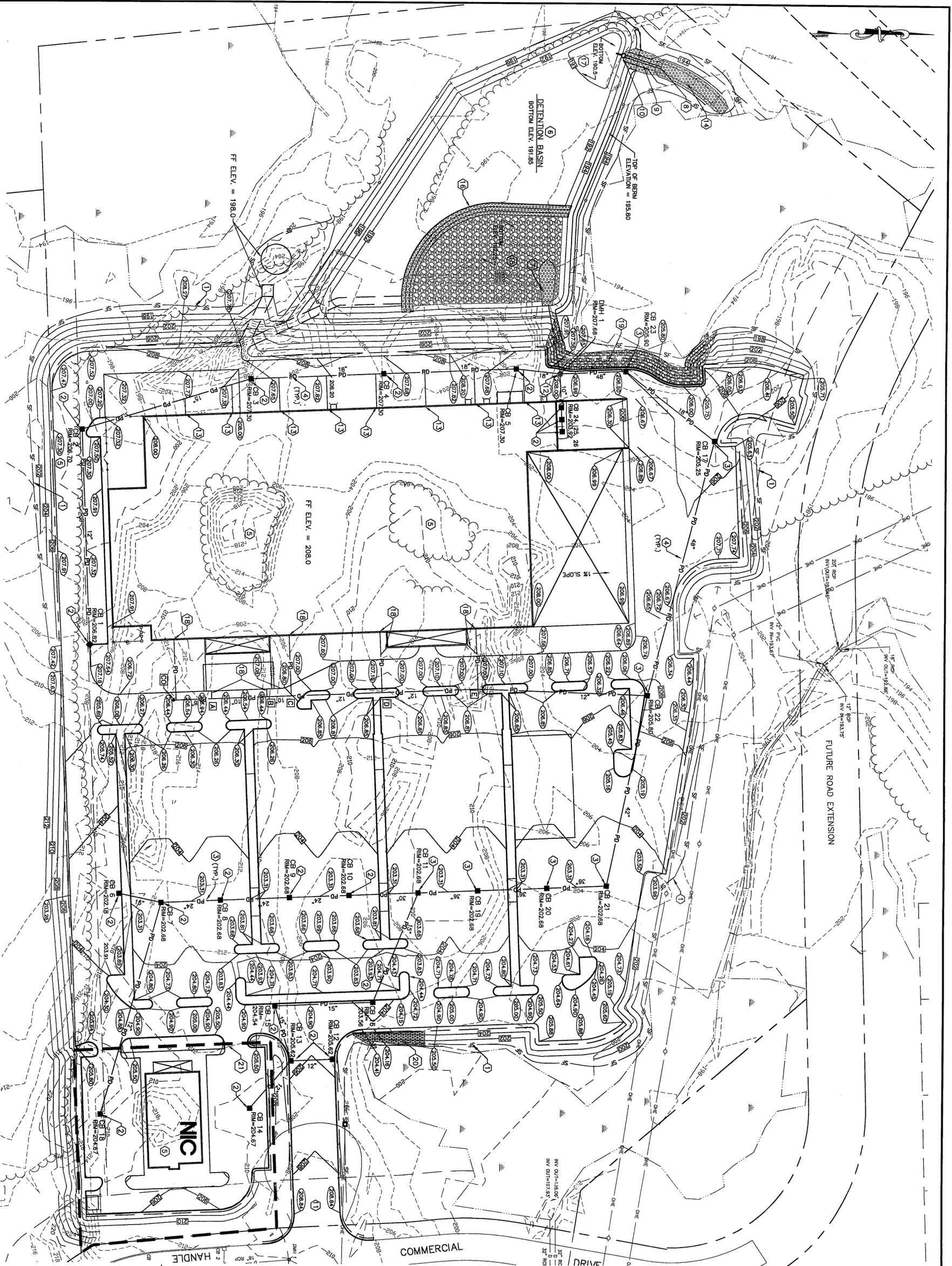
Provan & Lorber, Inc.
ENGINEERS AND PLANNERS
Dorchester, NH
PO Box 389
50 School Street
Dorchester, NH 03826
603-444-6301
603-289-1142

THE HOME DEPOT
STORE #
COMMERCIAL DRIVE
SOMERSWORTH, NEW HAMPSHIRE

APPROVED BY THE SOMERSWORTH PLANNING BOARD ON SEPT. 13 2002
SIGNED BY Debra A. [Signature] DATE 5/12/01
DATE OF PLAN: MAY 13 2001

DATE	PROJ. NO.
APR. 2003	M2329
ENG. BY	DRGN. BY
CHKD. BY	DATE
DATE	

SHEET C-1



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NO.	DATE	ADDED SPOT GRADES	REVISION
1	4/23/03	ADDED SPOT GRADES	

Provan & Lorber, Inc.
ENGINEERS AND PLANNERS

14000 Old Country Road
Suite 200
Sydney, NY 10986
845-344-8200

THE HOME DEPOT
STORE #
COMMERCIAL DRIVE
SOMERSONGH, NEW HAMPSHIRE

GRADING & STORM SYSTEM
(FROSION CONTROL)

DATE	PROJ. NO.
APR. 2003	W2329
ENG. BY	DRWN. BY
CHKD. BY	DATE
TK	1384
SHEET	C-2

Date of Print
MAY 9 9 2003

GRADING AND EROSION LEGEND

EXISTING 10' CONTOUR

EXISTING 2' CONTOUR

FINISHED GRADE CONTOUR

SILT FENCE PROPOSED

STORM DRAIN LINE

PROPOSED CATCH BASIN

PROPOSED DRAIN MANHOLE

CLEANOUT

ROOF DRAIN COLLECTION SCHEDULE

START PT	END PT	INV. IN	INV. OUT	LENGTH (FT)	SLOPE (FT/FT)	SIZE (IN.)
1	2	202.25	202.44	37.00	0.0027	8
2	3	202.25	202.44	37.00	0.0027	8
3	4	202.15	202.15	14.00	0.0000	8
4	5	202.15	202.15	14.00	0.0000	8
5	6	202.15	202.15	14.00	0.0000	8
6	7	202.15	202.15	14.00	0.0000	8
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73	74	202.15	202.15	14.00	0.0000	8
74	75	202.15	202.15	14.00	0.0000	8

EXISTING STORM DRAIN DATA

OUTLET	INV. OUT	2004.97
DMH 1	184.10	184.00
DMH 2	184.10	184.00
DMH 3	184.10	184.00
DMH 4	184.10	184.00
DMH 5	184.10	184.00
DMH 6	184.10	184.00
DMH 7	184.10	184.00
DMH 8	184.10	184.00
DMH 9	184.10	184.00
DMH 10	184.10	184.00
DMH 11	184.10	184.00
DMH 12	184.10	184.00
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DMH 25	184.10	184.00
DMH 26	184.10	184.00
DMH 27	184.10	184.00
DMH 28	184.10	184.00
DMH 29	184.10	184.00
DMH 30	184.10	184.00
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DMH 71	184.10	184.00
DMH 72	184.10	184.00
DMH 73	184.10	184.00
DMH 74	184.10	184.00
DMH 75	184.10	184.00

GENERAL NOTES

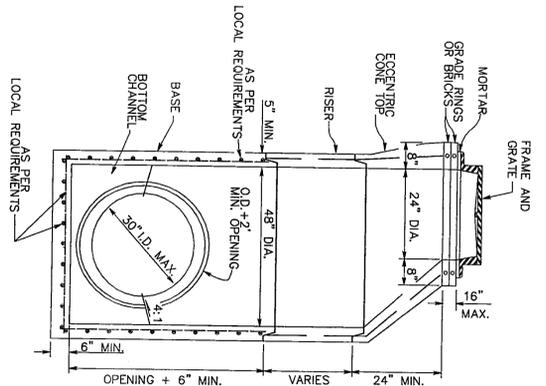
- TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY BEGINS.
- STOCKPILE TOPSOIL STRIPPED FROM THIS SITE IN AN AREA EROSION IN ALL AREAS DISTURBED BY HIS ACTIONS. COSTS FOR SUCH MEASURES ARE SHOWN ON THE ENGINEERING DRAWINGS. SHALL BE BORNE BY HIM.
- LOW AND SEED ALL DISTURBED AREAS. MINIMUM 4" LOW IN ALL LOCATIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTROLLING EROSION IN ALL AREAS DISTURBED BY HIS ACTIONS. COSTS FOR SUCH MEASURES ARE SHOWN ON THE ENGINEERING DRAWINGS. SHALL BE BORNE BY HIM.

KEY NOTES

- FURNISH & INSTALL SILT FENCE.
- FURNISH & INSTALL 4" DIA. CATCH BASIN.
- FURNISH & INSTALL 6" DIA. CATCH BASIN.
- FURNISH & INSTALL HOPE DRAIN LINE. SIZE AS NOTED.
- REMOVE EXISTING VEGETATION, GRUB AREA AND REMOVE ALL TOPSOIL, ROOTS, ETC.
- CONSTRUCT DETENTION POND. TOP OF BERM = 195.80. SEE DETAILS ON SHEET C-2.1.
- CONSTRUCT RIPRAP ARRON WITH FLUNGE POOL. SEE DETAIL ON SHEET C-2.1.
- POND OUTLET PIPE W/ FES AND RIP-RAP DISCHARGE ARRON. SEE DRAINAGE DETAIL SHEET.
- EMERGENCY SPILLWAY. SEE DETAILS ON SHEET C-2.1.
- POND OUTLET STRUCTURE. SEE DETAILS ON SHEET C-2.1.
- STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL ON SHEET C-2.2.
- FURNISH & INSTALL 8" DIA. DRAIN MANHOLE.
- CONNECT ROOF DRAIN TO STORM DRAIN LINE.
- CONSTRUCT SEDIMENT BASIN. SEE DETAIL ON SHEET C-2.1.
- CONSTRUCT OUTLET SWALE. SEE DETAIL ON SHEET C-2.1.
- CONSTRUCT RIP-RAP BERM. SEE DETAIL ON SHEET C-2.1.
- CONSTRUCT EMERGENCY MARSH AREA.
- CONSTRUCT ROOF DRAIN TO COLLECTION DRAIN LINE W/ 8" PIPE. INVERT AT BUILDING = 204.00.
- RIP-RAP SLOPE PROTECTION ON 1:5:1 SLOPE. SEE DETAIL ON SHEET C-2.1.
- JUTE MESH SLOPE PROTECTION ON 2:1 SLOPE. SEE DETAIL ON SHEET C-2.2.
- LIMIT OF WORK.

STORM DRAIN SCHEDULE

START CB	END CB	INV. IN	INV. OUT	LENGTH (FT)	SLOPE (FT/FT)	SIZE (IN.)
1	2	202.25	202.44	37.00	0.0027	8
2	3	202.25	202.44	37.00	0.0027	8
3	4	202.15	202.15	14.00	0.0000	8
4	5	202.15	202.15	14.00	0.0000	8
5	6	202.15	202.15	14.00	0.0000	8
6	7	202.15	202.15	14.00	0.0000	8
7	8	202.15	202.15	14.00	0.0000	8
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36	37	202.15	202.15	14.00	0.0000	8
37	38	202.15				

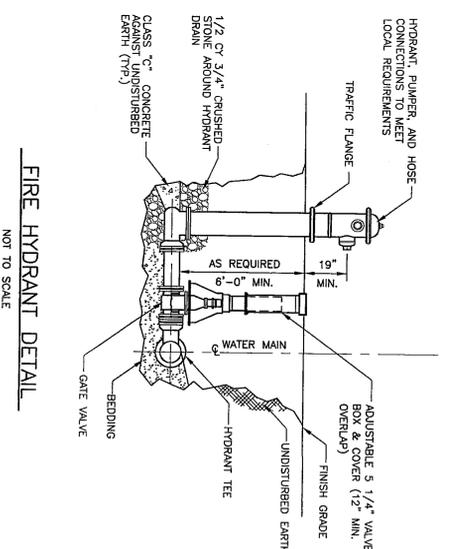


MANHOLE CONSTRUCTION
NOT TO SCALE

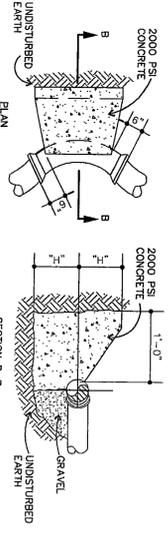
MANHOLE & CATCH BASIN NOTES

GENERAL: WITH NORMAL SOIL AND SITE CONDITIONS, A STANDARD PRECAST MANHOLE MAY BE USED FOR ANY REQUIRED MANHOLE DEPTH. SECTIONS OF THE PRECAST MANHOLE SHALL BE CAST AND ASSEMBLED WITH EITHER ALL TONGUE OR ALL GROOVE AND 1/2\"/>

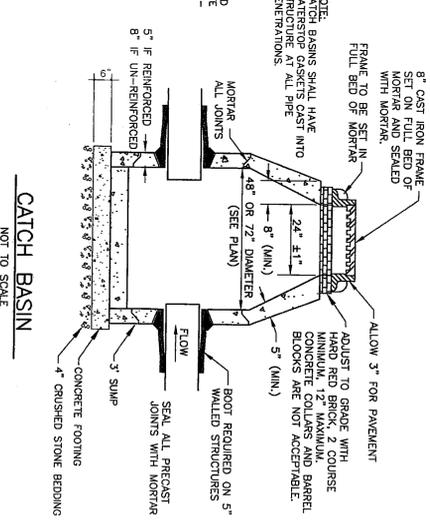
BASE: MANHOLE IS SHOWN WITH A MONOLITHIC CONSTRUCTION. REPAIRS SHALL BE CAST IN ONE OR TWO AND SHIP THE FLOOR AND BARREL SEPARATELY. OPENINGS FOR INLET AND OUTLET PIPES SHALL BE PROVIDED, EITHER WHEN THE UNIT IS CAST OR LATER. THE MANHOLE SHALL BE CAST WITH 1\"/>



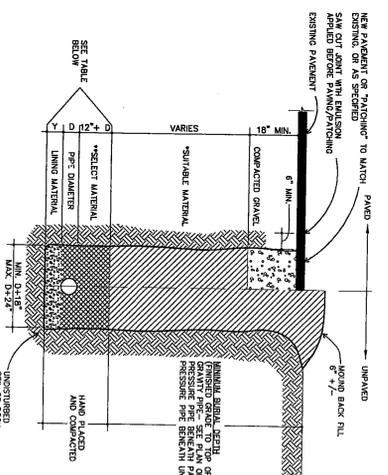
FIRE HYDRANT DETAIL
NOT TO SCALE



BEND WITH THRUST BLOCK
NOT TO SCALE



CATCH BASIN
NOT TO SCALE

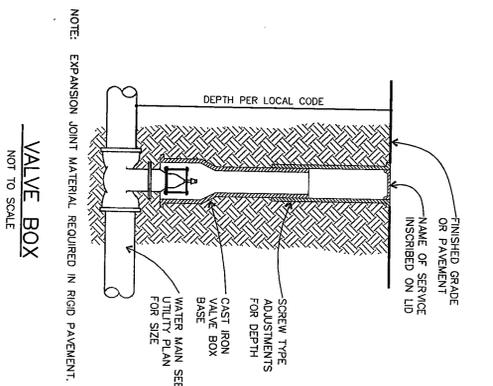


A. WHERE BACK FILL IS DESIGNATED 'COMPACTED', THIS MEANS GO TO SET STANDARD PROPORTION, ASHTO T-99. ALL FILL PLACED BELOW PIPES AND STRUCTURES MUST MEET THIS REQUIREMENT. B. FOR AREAS WITH A GRADE GREATER THAN 4% AND/OR WHERE GROUNDWATER IS C. BACKFILL AS PER DEC-8100 AND REFERENCED AS STANDARD DRAINAGE.

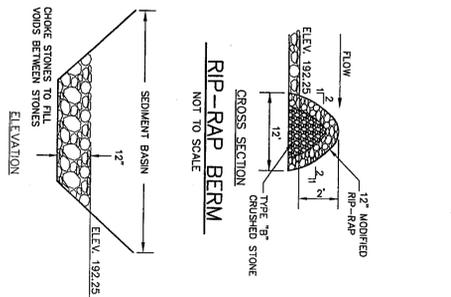
CONDITION AND PIPE	SELECT MATERIAL	LINING MATERIAL	MIN. DIMENSION
DUCTILE IRON PIPE IN 'ORDINARY SOIL'	TYPE I, II, OR III	SAND OR SAND OR	3"
PIPE IN 'SAND OR SAND OR	TYPE II OR III	SAND OR SAND OR	3"
ALL PIPE OVER BEDROCK OR LEAVE	TYPE II OR III	SAND OR SAND OR	6"
DUCTILE IRON PIPE IN CLAY OR MUD	TYPE II OR III	SAND OR SAND OR	4"
PIPE IN CLAY	TYPE II OR III	SAND OR SAND OR	6"
PLASTIC-ALL	TYPE III	SAND OR SAND OR	6"

* SUABLE MATERIAL SHOULD CONTAIN NO STONES GREATER THAN 4\"/>

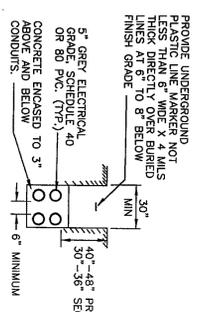
TRENCH DETAIL
NOT TO SCALE



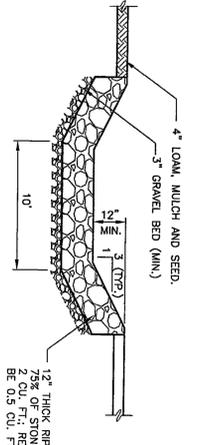
VALVE BOX
NOT TO SCALE



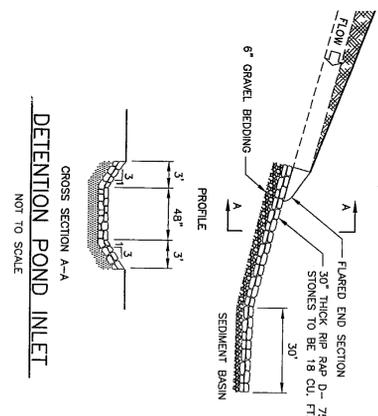
SEDIMENT BASIN
NOT TO SCALE



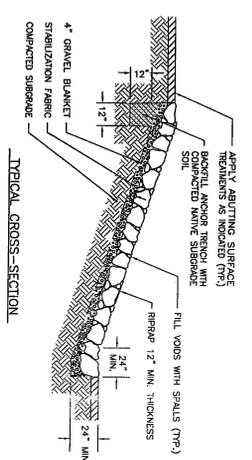
2 X 2 CONCRETE CONDUIT BANK
N.T.S.



OUTLET SWALE DETAIL
NOT TO SCALE



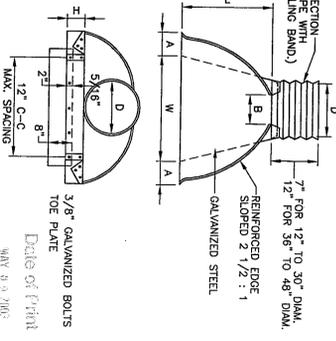
DETENTION POND INLET
NOT TO SCALE



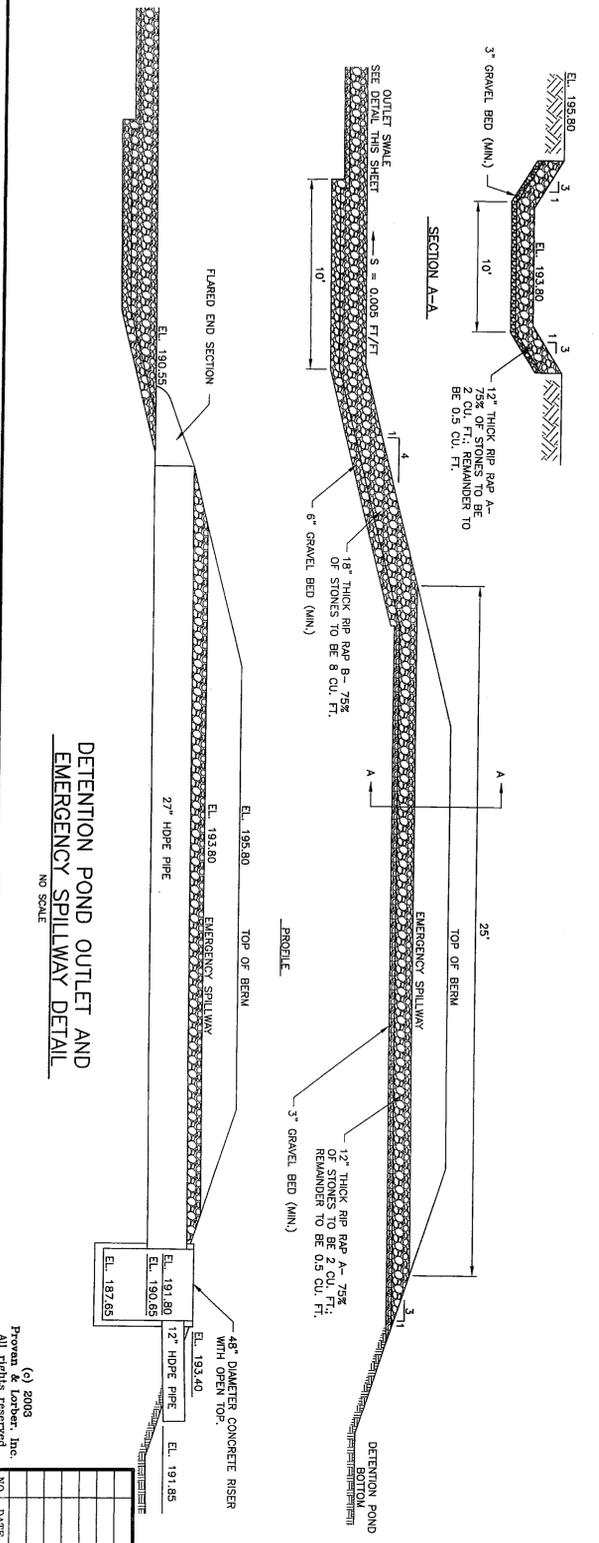
TYPICAL CROSS-SECTION

D	GAGE	A	B	H	L	W
12"	16	6"	6"	6"	21"	24"
15"	16	6"	6"	6"	28"	30"
18"	16	6"	10"	6"	31"	36"
21"	16	6"	12"	6"	38"	42"
24"	16	10"	13"	6"	41"	48"
30"	14	14"	16"	8"	51"	60"
36"	14	14"	19"	9"	60"	72"
42"	12	18"	22"	11"	69"	84"
48"	12	18"	27"	12"	78"	90"

- MATERIALS SPECIFICATIONS:**
1. STABILIZATION FABRIC: MEET TYP OR APPROVED EQUIVALENT.
 2. ANCHOR PINS: STEEL PINS WITH WASHERS OR WOOD STAKES PER MANUFACTURER'S.
 3. GRAVEL BLANKET: UNWORN, GRADED STRENGTHEN GRAVEL (3/8" TO 1-1/2").
 4. RIPPAP: DRAINAGE FIELD STONE OR ROCK FRAGMENTS, LEAVING SEVENTY-FIVE PERCENT OF THE STONES SHALL HAVE A MINIMUM VOLUME OF 2 CUBIC FEET; THE REMAINING SHALL HAVE A MINIMUM VOLUME OF 1/2 CUBIC FOOT.
 5. CHOKED STONE OR BROKEN ROCK: RANGING DOWNWARD FROM A MAXIMUM SIZE OF 1
- CONSTRUCTION SPECIFICATIONS:**
1. INSTALL RIPPAP SLOPE PROTECTION WHERE INDICATED OR WARRANTED.
 2. PREPARE SURFACE TO THE LINE, GRADE AND CROSS-SECTION INDICATED.
 3. EXCAVATE ANCHOR TRENCH, PLACE STABILIZATION FABRIC, WATER PROOFING, UNDERLIE WITH ANCHOR PINS, BACKFILL ANCHOR TRENCH WITH COMPACTED SAND OR GRAVEL.
 4. SPREAD GRAVEL BLANKET UNIFORM TO DEPTH INDICATED.
 5. PLACE RIPPAP IMMEDIATELY FOLLOWING GRAVEL BLANKET INSTALLATION. LAY RIPPAP STONES INDIVIDUALLY UPWARD FROM THE TOE OF THE SLOPE, WITH THE LARGER STONES AT THE TOE OF SLOPE. RIPPAP STONES SHALL BE PLACED TO APPEAR PROPORTIONATELY PROXIMATE TO AND SPACING 8" TO 12" ON CENTER AS SHOWN OR ORDERED.



CORRUGATED PIPE END SECTION
NOT TO SCALE



DETENTION POND OUTLET AND EMERGENCY SPILLWAY DETAIL
NO SCALE

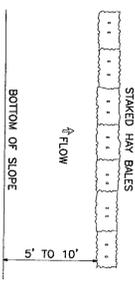
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NO.	DATE	REVISION

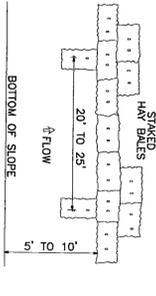


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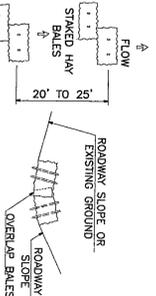
THE HOME DEPOT
STORE #
COMMERCIAL DRIVE
SOMERSWORTH, NEW HAMPSHIRE
DATE: APR 2003
ENGR. BY: AMR
CHKD BY: TK
PROJECT NO.: W2329
DRAWING NO.: 1384
SHEET: C-21



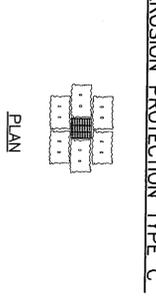
NOTE: NORMAL USE AT BOTTOM OF FILL SLOPE.



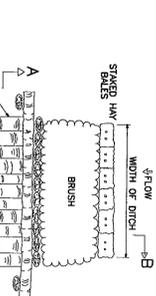
NOTE: NORMAL USE AT BOTTOM OF FILL SLOPE. WHERE HEAVY FLOW MAY BE ANTICIPATED.



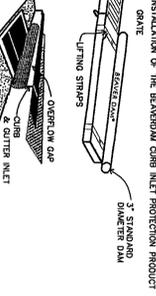
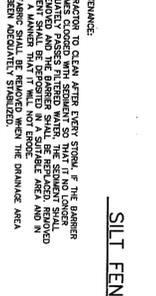
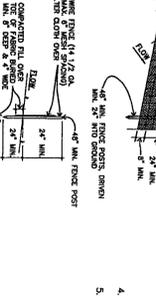
NOTE: NORMAL USE IN NARROW DITCH SECTION.



NOTE: NORMAL USE AROUND CATCH BASINS.



NOTE: NORMAL USE IN OR JUST UPSTREAM OF WATER COURSE.



HAY BALE INSTALLATION

1. THE HAY BALE BARRIERS SHOULD FOLLOW THE SLOPE CONTOUR. IF THE BARRIERS ARE TO BE PLACED AT THE TOP OF A SLOPE, PLACE IT 5 TO 10 FT. AWAY FROM THE SLOPE. IF POSSIBLE, THIS PLACEMENT SHOULD BE SUCH THAT THE BARRIERS ALLOW SEDIMENT TO DROP OUT OF SUSPENSION BEFORE IT REACHES THE BARRIERS.
2. PLACE BALES IN THE TRENCH WITH THEIR ENDS POINTING DOWN. CORNER ADJUSTMENT IS NOT REQUIRED. THE BARRIERS SHOULD BE PLACED IN A TRENCH THAT IS 2 TO 3 FEET DEEP. THE BARRIERS SHOULD BE PLACED IN A TRENCH THAT IS 2 TO 3 FEET DEEP. THE BARRIERS SHOULD BE PLACED IN A TRENCH THAT IS 2 TO 3 FEET DEEP.
3. ALL BALES MUST BE EITHER WIRE-BOUND OR STRING-TIED. INSTALL BALES SO THAT BINDINGS ARE ORIENTED AROUND THE SLOPE RATHER THAN AWAY FROM THE SLOPE. IF THE BINDINGS ARE ORIENTED AWAY FROM THE SLOPE, THE SOIL WILL SOON DISINTEGRATE AND CAUSE THE BALE TO FALL APART.
4. SECURELY ANCHOR EACH BALE BY DRIVING AT LEAST TWO STAKES THROUGH THE BALE. DRIVE THE STAKES THROUGH THE BALE TO FORCE THE BALE TOGETHER. DRIVE THE STAKES AT LEAST 1 1/2 FEET INTO THE GROUND.
5. FILL ANY GAPS BETWEEN BALES BY WEDGING SPOKE HAY BETWEEN THE BALES. LOOSE HAY FROM A HAY BALE BARRIER TENDS TO INCREASE BARRIER EFFICIENCY. IT IS PICKED UP BY RUNOFF WHICH TENDS TO SEAL.
6. INSPECT AND REPAIR OR REPLACE DAMAGE BARRIERS IMMEDIATELY. REMOVE ALL WEEDS WITHIN THREE MONTHS WHEN WEEDS REMOVAL IS NECESSARY. STABILIZED AREAS HAVE BEEN PERMANENTLY STABILIZED.

RESTORATION OF GROWTH

1. GRADING AND SHAPING
 - A. SLOPES SHALL NOT BE STEEPER THAN 2:1. 2:1 SLOPES OR FLATTER ARE RECOMMENDED. SLOPES STEEPER THAN 2:1 SHOULD BE REPAIRED AND REGRASSING RECOMMENDED.
 - B. SLOPES STEEPER THAN 4:1 SHOULD BE REPAIRED AND REGRASSING RECOMMENDED.
 - C. SLOPES STEEPER THAN 6:1 SHOULD BE REPAIRED AND REGRASSING RECOMMENDED.
 - D. SLOPES STEEPER THAN 8:1 SHOULD BE REPAIRED AND REGRASSING RECOMMENDED.
 - E. SLOPES STEEPER THAN 10:1 SHOULD BE REPAIRED AND REGRASSING RECOMMENDED.
2. SEEDING PREPARATION
 - A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA.
 - C. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES. THE SEEDING SHOULD BE LEFT IN A RESEMBLY FRESH SOIL CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
3. ESTABLISHING VEGETATION
 - A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO SEEDING. THE SEEDING AND INCORPORATION INTO THE SOIL, TILLAGE AND SOIL TESTS WHEN APPLIED.
 - B. SEEDING SHOULD BE PERFORMED ON A SLOPE OF 2:1 OR FLATTER. THE SEEDING SHOULD BE PERFORMED ON A SLOPE OF 2:1 OR FLATTER. THE SEEDING SHOULD BE PERFORMED ON A SLOPE OF 2:1 OR FLATTER.
 - C. SEEDING SHOULD BE PERFORMED ON A SLOPE OF 2:1 OR FLATTER. THE SEEDING SHOULD BE PERFORMED ON A SLOPE OF 2:1 OR FLATTER. THE SEEDING SHOULD BE PERFORMED ON A SLOPE OF 2:1 OR FLATTER.

EROSION CONTROL GENERAL NOTES

1. EROSION & SEDIMENT CONTROL PRACTICES INCLUDE THE USE OF GRASS AND/OR ROCK LINED SWALES. ALL EROSION CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM MANAGEMENT PRACTICES. EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE DEVELOPED AND MAINTAINED. EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE DEVELOPED AND MAINTAINED. EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE DEVELOPED AND MAINTAINED.
2. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED TO 2 TO 3 IN. STONE ACROSS THE FULL WIDTH OF THE VEHICLE LANE. THE ENTRANCE SHALL BE AT LEAST 50 FEET LONG. THE ENTRANCE SHALL BE AT LEAST 50 FEET LONG. THE ENTRANCE SHALL BE AT LEAST 50 FEET LONG.
3. TOP SOIL STOCKPILING: TOPSOIL SHALL BE STOCKPILED FOR LATER USE ON CENTRAL AREAS AND ALL OTHER AREAS TO BE SEEDING. THE STOCKPILE WILL NOT BE COMPACTED AND SHALL BE STABILIZED AGAINST EROSION WITH TEMPORARY SEEDING.
4. STRIP BARRIERS/SILT SCREEN FENCES ARE TO BE INSTALLED AS SHOWN ON THE PLAN. THEY ARE INTENDED PRIMARILY TO INTERCEPT AND FILTER SMALL VOLUMES OF SHEET FLOW RUN-OFF. STRIP BARRIERS/SILT SCREEN FENCES ARE TO BE INSTALLED AS SHOWN ON THE PLAN. THEY ARE INTENDED PRIMARILY TO INTERCEPT AND FILTER SMALL VOLUMES OF SHEET FLOW RUN-OFF.

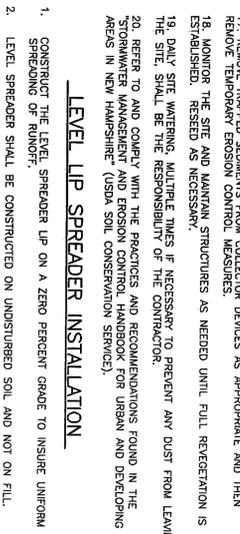
CONSTRUCTION SEQUENCE

1. FILL AND CLEAN TRENCH.
2. INSTALL SILT FENCE AND OTHER APPROPRIATE EROSION CONTROL BARRIERS AT ALL LOCATIONS SHOWN ON PLANS. INSTALL OTHER TEMPORARY AND PERMANENT SEDIMENT EROSION CONTROL MEASURES AS APPROPRIATE. CONTINUE INSTALLATION AS EARTHWORK PROCEEDS.
3. GRUB SITE AND DISPOSE OF DEBRIS.
4. STOCKPILE TOPSOIL STRIPPED FROM THE DRIVEWAY ENTRANCE AND DETENTION POND IN AN AREA DESIGNATED BY THE OWNER. PROTECT THE STOCKPILE FROM EROSION DURING CONSTRUCTION.
5. INSTALL TEMPORARY OUTFALLS AND DIVERSION CHANNELS AS REQUIRED WITH SILT FENCE AND HAYBALS.
6. GRADE AND STABILIZE CONSTRUCTION ENTRANCES WITH COARSE AGGREGATE TO PREVENT OFF-SITE SOIL TRACKING.
7. CONSTRUCTION OF THE POND IS TO BE THE INITIAL ITEM OF CONSTRUCTION, AND FLOWS ARE TO BE DIRECTED TOWARDS THE POND AND SWALES UNTIL THEY ARE STABILIZED.
8. PROCEED WITH WORK UNIT BY UNIT DURING THE DURATION OF DISTURBANCE AS MUCH AS POSSIBLE. THE MAXIMUM WORK UNIT AREA MAY BE LEFT UNSTABILIZED IS 30 DAYS.
9. PLACE TOPSOIL, FERTILIZER, LIME, SEED AND MULCH IN A UNIT BY UNIT MANNER. INSTALL LAWSOONING.
10. SLOPES ON BOTH SIDES OF DRIVEWAY REQUIRE STABILIZATION. SLOPES OF 2:1 OR LESS SHALL RECEIVE 4" MIN. LOAM, SEED AND MULCH. SLOPES STEEPER THAN 2:1 SHALL BE PROTECTED WITH EITHER 6" MIN. RIP-RAP OVER GEOTEXTILE FABRIC (SEE RIP-RAP SLOPE PROTECTION DETAIL) OR MULCH NETTING AND CONSERVATION MIX AND PLAYED WITH SHRUBS FOR LONG-TERM SLOPE STABILIZATION.
11. COMPLETE INSTALLATION AND STABILIZATION OF ALL REMAINING PERMANENT EROSION CONTROL STRUCTURES.
12. REMOVE TRAPPED SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REPAIR TEMPORARY EROSION CONTROL MEASURES.
13. MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL REGENERATION IS ESTABLISHED. RESEED AS NECESSARY.
14. ONLY SITE WHERE MULTIPLE TIMES IF NECESSARY TO PREVENT ANY DUST FROM LEAVING THE SITE. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. REFER TO AND COMPLY WITH THE PRACTICES AND RECOMMENDATIONS FOUND IN THE MANUAL OF BEST PRACTICES FOR EROSION CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE (ASPA SOIL CONSERVATION SERVICE).

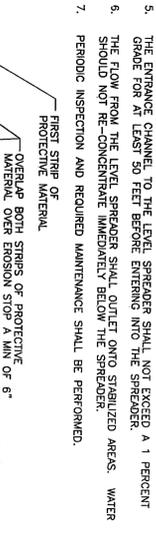
LEVEL LIP SPREADER INSTALLATION

1. CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
3. AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SUBSTRATE ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP. THE EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
4. THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXPANDED POLYPROPYLENE (EPP) MATTING OVER THE EROSION STOP. EACH STRIP SHALL BE AT LEAST SIX INCHES WIDE.
5. THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED A 1 PERCENT GRADE FOR AT LEAST 50 FEET BEFORE ENTERING INTO THE SPREADER.
6. THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY AFTER THE SPREADER.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.

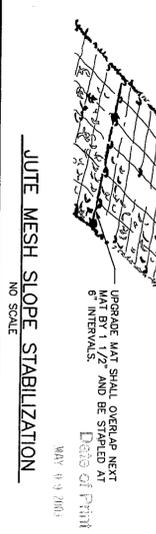
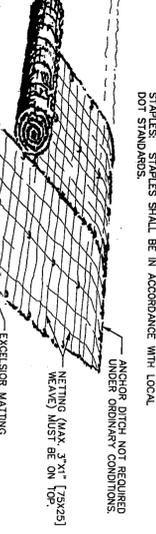
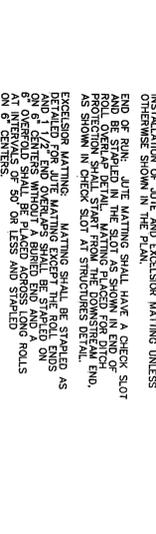
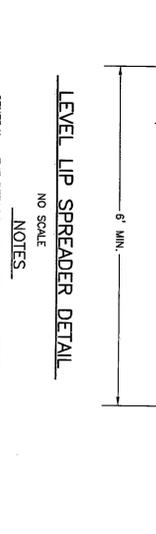
LEVEL LIP SPREADER DETAIL



NOTE: THE DETAILS SHOWN HERE SHALL GOVERN THE INSTALLATION OF JUTE AND EXCESSIVE MATTING UNLESS OTHERWISE SHOWN ON THE PLANS.



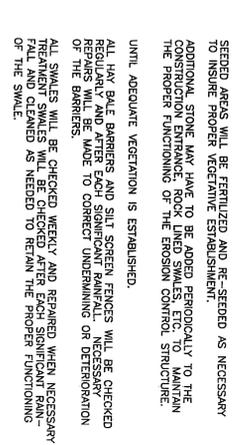
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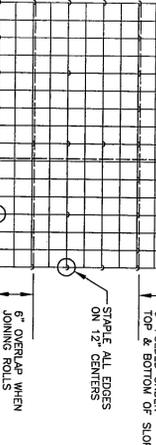
STABILIZED CONSTRUCTION ENTRANCE

1. CONSTRUCTION SPECIFICATIONS.
 - A. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE #2 STONE.
 - B. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET.
 - C. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
 - D. THE WIDTH TO THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE WHEELS OR TIRE TRACKS OR 30 FEET, WHICH EVER IS GREATER.
 - E. THE ENTRANCE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING MATTING.
 - F. ALL SURFACE WATER IS ALLOWED TO GO DIRECTLY THROUGH THE CONSTRUCTION ENTRANCE. THE ENTRANCE SHALL BE DESIGNED TO PREVENT TRACKING OF SEDIMENT FROM THE SITE. THE ENTRANCE SHALL BE DESIGNED TO PREVENT TRACKING OF SEDIMENT FROM THE SITE.
 - G. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT FROM THE SITE. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT FROM THE SITE.
 - H. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE INTO PUBLIC RIGHTS-OF-WAY. WATER WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA DESIGNATED BY THE OWNER. PROTECT THE STOCKPILE FROM EROSION DURING CONSTRUCTION.
 - I. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

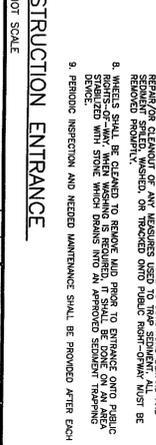
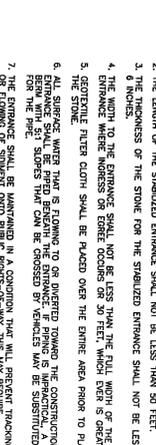
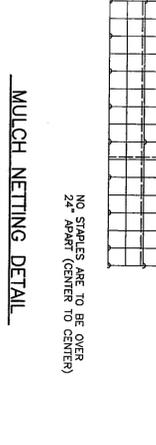
MULCH NETTING DETAIL



NOTE: THE DETAILS SHOWN HERE SHALL GOVERN THE INSTALLATION OF JUTE AND EXCESSIVE MATTING UNLESS OTHERWISE SHOWN ON THE PLANS.



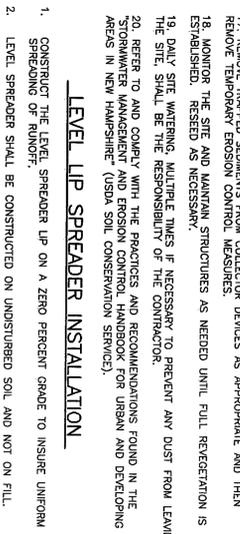
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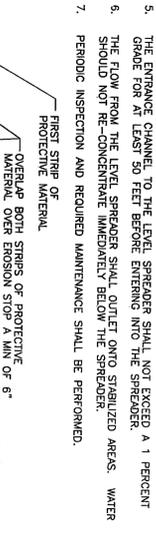
INLET PROTECTION DETAIL

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 - C. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
 - D. THE WIDTH TO THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE WHEELS OR TIRE TRACKS OR 30 FEET, WHICH EVER IS GREATER.
 - E. THE ENTRANCE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING MATTING.
 - F. ALL SURFACE WATER IS ALLOWED TO GO DIRECTLY THROUGH THE CONSTRUCTION ENTRANCE. THE ENTRANCE SHALL BE DESIGNED TO PREVENT TRACKING OF SEDIMENT FROM THE SITE. THE ENTRANCE SHALL BE DESIGNED TO PREVENT TRACKING OF SEDIMENT FROM THE SITE.
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 - I. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

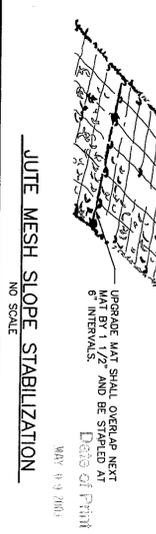
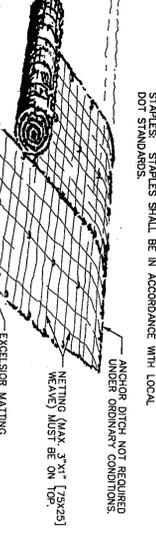
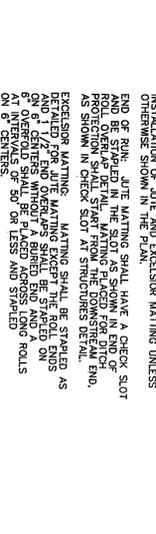
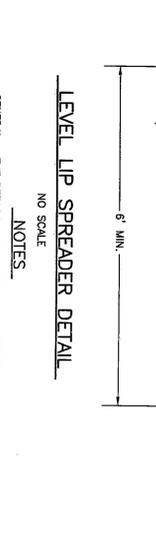
INLET PROTECTION DETAIL



NOTE: THE DETAILS SHOWN HERE SHALL GOVERN THE INSTALLATION OF JUTE AND EXCESSIVE MATTING UNLESS OTHERWISE SHOWN ON THE PLANS.



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PROFILING

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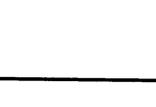
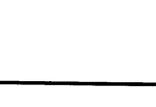
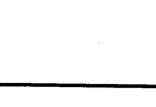
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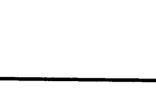
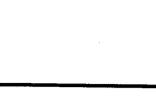
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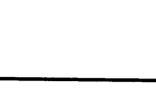
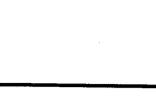
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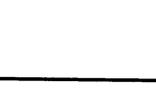
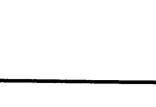
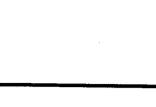
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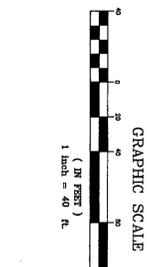
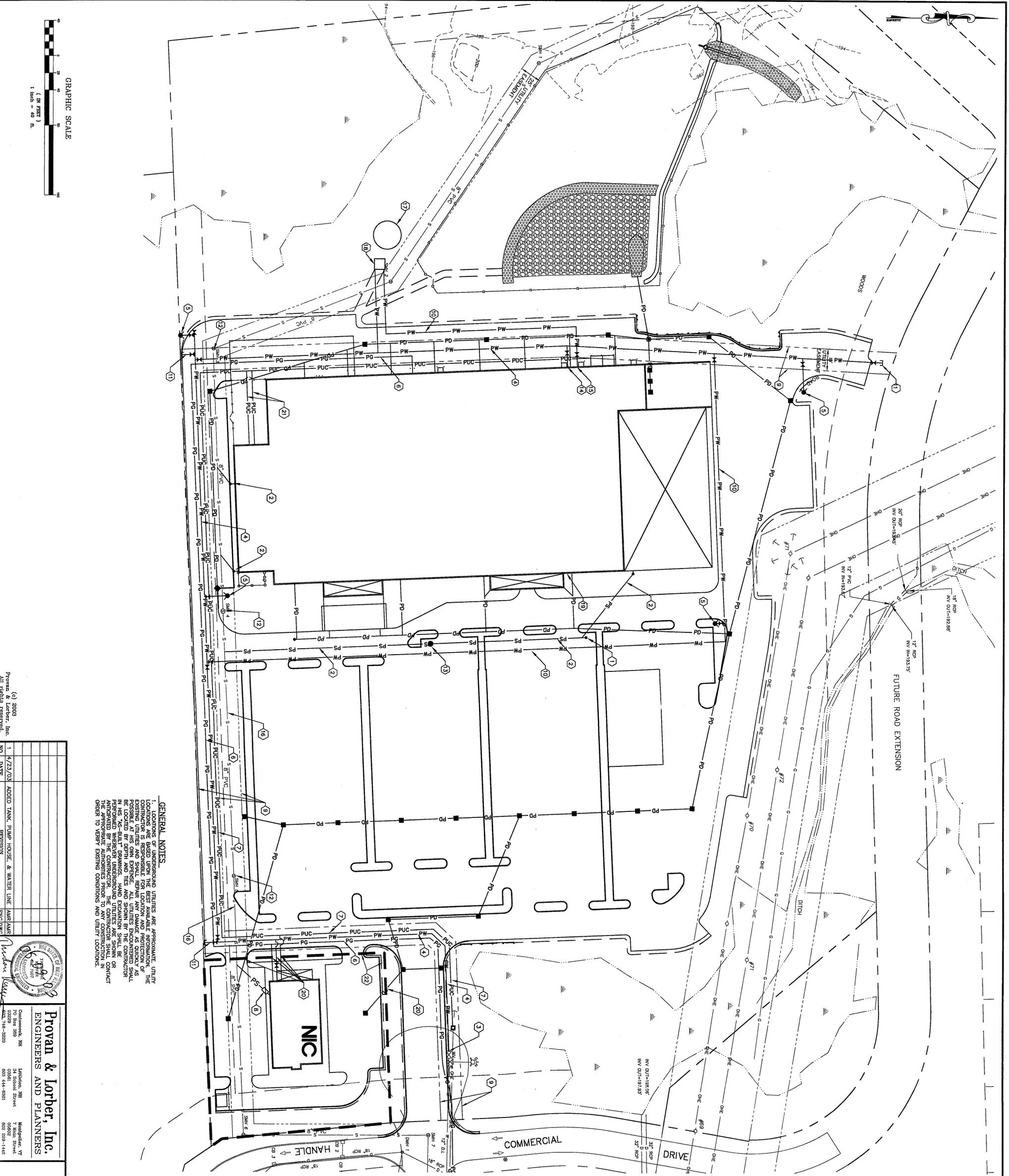
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NO.	DATE	REVISION
1	4/23/03	ADDED TANK PUMP HOUSE, & WATER LINE LAYOUT
		ENGINEERING



Provan & Lorber, Inc.
 ENGINEERS AND PLANNERS
 20 School Street
 Portsmouth, NH 03801
 603 444-6901

THE HOME DEPOT
 STORE #
 COMMERCIAL DRIVE
 SOMERSWORTH, NEW HAMPSHIRE

DATE	PROJ. NO.
APR 2003	W2329
ENG. BY	DRM. BY
CHKD. BY	DRG. NO.
TK	1384

GENERAL NOTES
 1. LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. UTILITY LOCATIONS ARE BASED UPON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND SHALL REPAIR ANY DAMAGE AS QUICKLY AS POSSIBLE AT HIS OWN EXPENSE. ALL UTILITIES ENCOUNTERED SHALL BE RECORDED BY THE CONTRACTOR AND SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL CONTACT THE CITY OF SOMERSWORTH TO VERIFY EXISTING CONDITIONS AND UTILITY LOCATIONS.

EXISTING SEWER DATA
 SMH 1
 INV. = 200.12
 INV. OUT = 192.42
 INV. IN = 192.49
 SMH 2
 INV. = 199.06
 INV. OUT = 193.64
 INV. IN = 193.72
 SMH 3
 INV. = 200.11
 INV. OUT = 194.66
 INV. IN = 194.72
 SMH 4
 INV. = 207.30
 INV. OUT = 197.30
 INV. IN = 197.50
 SMH 5
 INV. = 209.29
 INV. OUT = 200.57
 INV. IN = 200.74
 SMH 6
 INV. = 211.34
 INV. OUT = 201.99
 INV. IN = 202.09
 SMH 7
 INV. = 209.92
 INV. OUT = 203.03
 INV. IN = 203.02
 SMH 8
 INV. = 212.97
 INV. OUT = 203.42
 INV. IN = 203.44

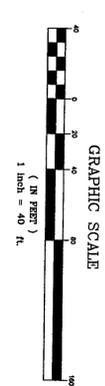
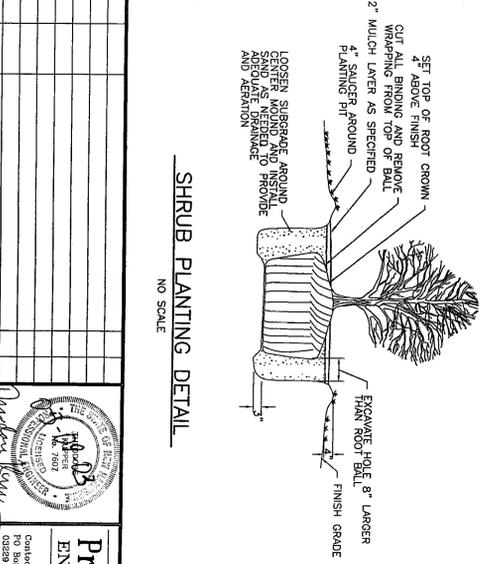
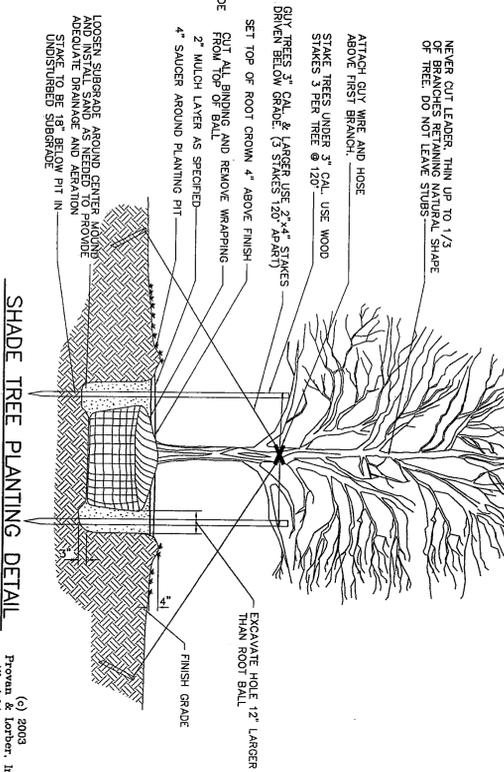
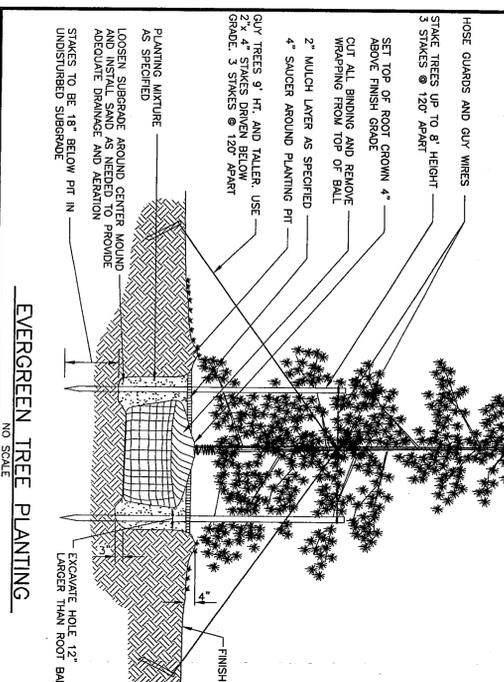
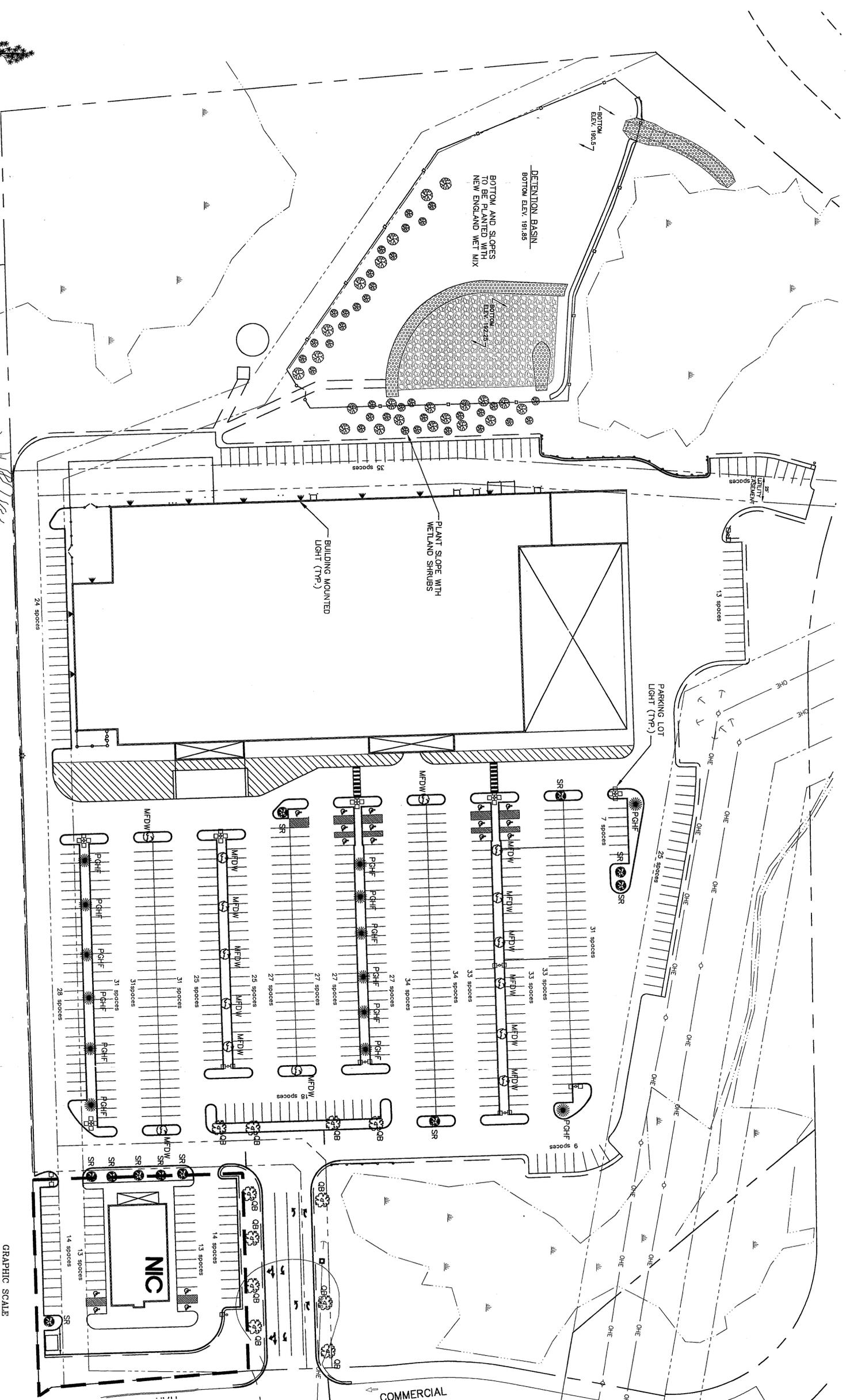
UTILITY CONTACTS
 ELECTRIC
 CONTACT: CELINE BUDDEAU-SOUCIARD, ENGINEERING TECHNICIAN
 P.O. BOX 330
 MANCHESTER, NH 03105-0330
 GAS
 NORTHERN UTILITIES
 CONTACT: DAVID BEAULIEU, REGIONAL MANAGER
 (800) 552-3047 EXT. 5311
 TELEPHONE
 CONTACT: ROBERT SAWYER
 (603) 743-1118
 CABLE
 180 GREENLEAF AVE.
 PORTSMOUTH, NH 03801
 (603) 226-2278
 WATER & SEWER
 TOWN OF SOMERSWORTH DEPT. OF PUBLIC WORKS & UTILITIES DIRECTOR
 CONTACT: JOHN J. JACKMAN, P.E., PUBLIC WORKS & UTILITIES DIRECTOR
 SOMERSWORTH, NH 03878
 (603) 892-4266

UTILITY LEGEND
 EXISTING
 ○ 3" RCP
 ● 6" RCP
 ○ 12" RCP
 ○ 18" RCP
 ○ 24" RCP
 ○ 30" RCP
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COMMON NAME	QUANTITY
SPACE BUSH	20
SPICE BUSH	20
WINTERBERRY	20
SWEET PEPPERBUSH	20
RED OSIER DOGWOOD	20

NOTE: THE SHRUBS TO BE PLANTED THROUGHOUT THE AREA ARE TO BE RANDOMLY MIXED AND SPACED.

NOTE: 4" LOAM AND SEED ALL DISTURBED AREAS.



PLANT SCHEDULE

QUANTITY	SYMBOL	LATIN NAME	COMMON NAME	SIZE
13	MFDW	MAUIS FLOREBUNDA	DONALD WYMAN® CRABAPPLE	2'-2 1/2"
11	SR	SPRINGA RETICULATA	JAPANESE TREE LILAC	2'-2 1/2"
14	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	2'-2 1/2"
11	PQHF	PUNGENS GLAUCA	HENRY B. FOWLER® BLUE SHRUB	4-5 FT.

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NO.	DATE	REVISION

Provan & Lorber, Inc.
ENGINEERS AND PLANNERS

1000
Professional Seal

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7 Main Street
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HOME DEPOT
STORE #
COMMERCIAL DRIVE
SOMERSET, NEW HAMPSHIRE

LANDSCAPE PLAN
SHEET L-1