PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320

TOWN OF MANSFIELD (STORRS), TOLLAND COUNTY, CONNECTICUT

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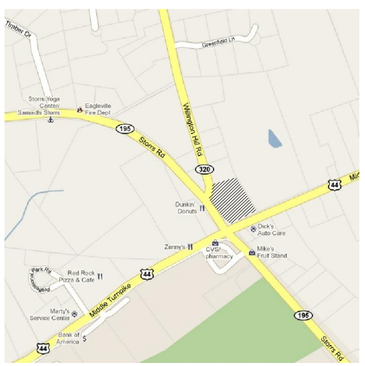
A3.1	AA	EXTERIOR ELEVATIONS
A3.2	AA	EXTERIOR ELEVATIONS
	LSI	SITE LIGHTING PLAN

SITE LOCATION MAP



ISSUED FOR SITE PLAN REVIEW
NOT FOR CONSTRUCTION

PREPARED FOR

CUMBERLAND GULF GROUP OF COMPANIES

100 Crossing Boulevard - Framingham, MA 01702

DECEMBER 9, 2011

PREPARED BY

CHA

2139 Silas Deane Highway, Suite 212 · Rocky Hill, CT 06067-2336
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CHA Project No. 23016

No.	Submittal / Revision	Appd	By	Date

CUMBERLAND GULF GROUP OF COMPANIES
100 Crossing Boulevard
Framingham, MA 01702

Cumberland FARMS

STATE OF CONNECTICUT · MICHAEL E. HOLLOWOOD · No. 27016 · LICENSED PROFESSIONAL ENGINEER

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PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

COVER SHEET

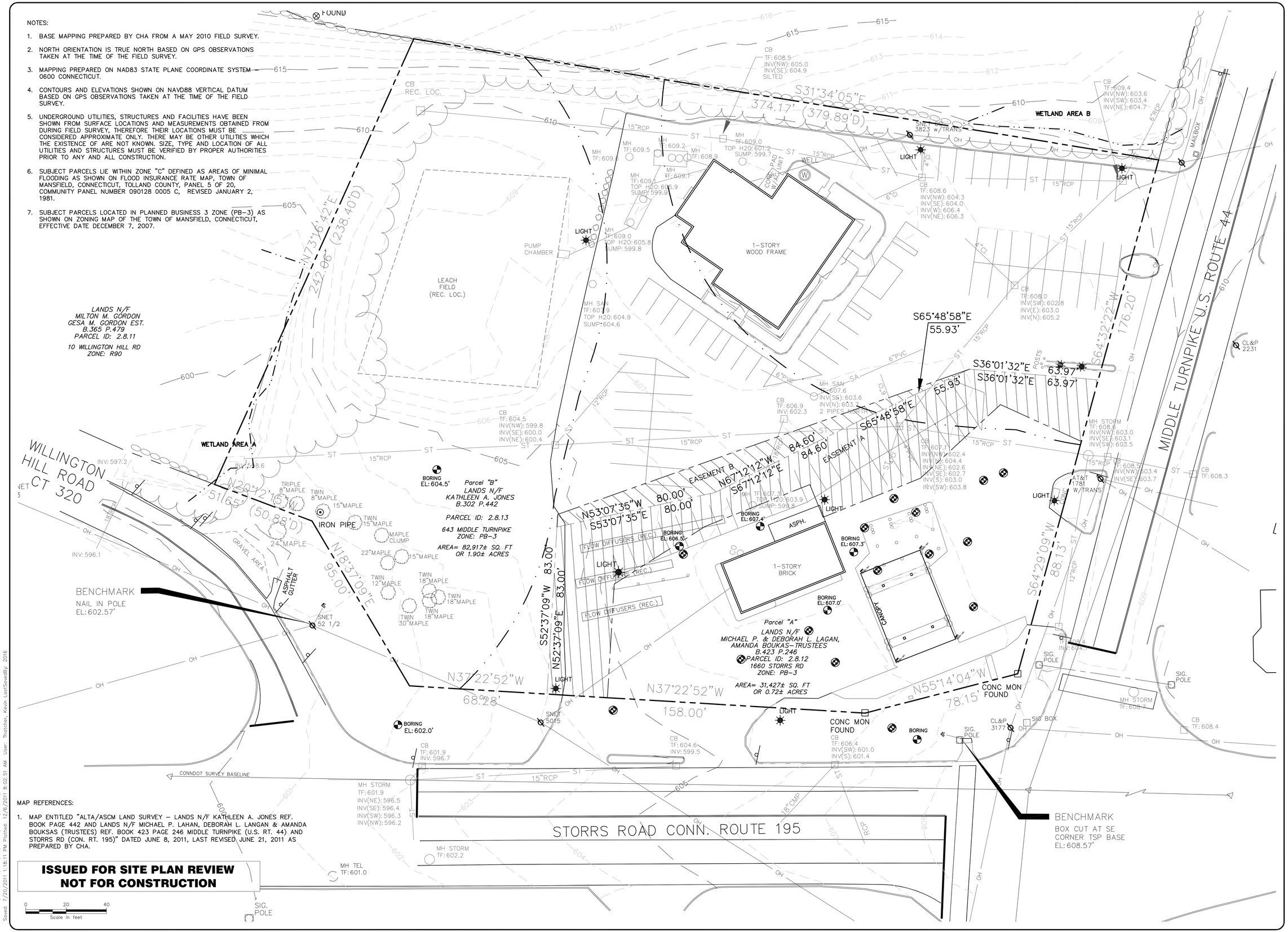
Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

G-001

File: V:\PROJECTS\ANY\K2\23016\CADD_ACAD\G-001 TITLE SHEET.DWG
Saved: 12/5/2011 12:17:38 PM Plotted: 12/6/2011 8:06:37 AM User: Thatcher, Kevin LastSavedBy: 2016

NOTES:

1. BASE MAPPING PREPARED BY CHA FROM A MAY 2010 FIELD SURVEY.
2. NORTH ORIENTATION IS TRUE NORTH BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.
3. MAPPING PREPARED ON NAD83 STATE PLANE COORDINATE SYSTEM 0600 CONNECTICUT.
4. CONTOURS AND ELEVATIONS SHOWN ON NAVD88 VERTICAL DATUM BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY.
5. UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM DURING FIELD SURVEY, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION.
6. SUBJECT PARCELS LIE WITHIN ZONE "C" DEFINED AS AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP, TOWN OF MANSFIELD, CONNECTICUT, TOLLAND COUNTY, PANEL 5 OF 20, COMMUNITY PANEL NUMBER 090128 0005 C, REVISED JANUARY 2, 1981.
7. SUBJECT PARCELS LOCATED IN PLANNED BUSINESS 3 ZONE (PB–3) AS SHOWN ON ZONING MAP OF THE TOWN OF MANSFIELD, CONNECTICUT, EFFECTIVE DATE DECEMBER 7, 2007.



MAP REFERENCES:

1. MAP ENTITLED "ALTA/ASCM LAND SURVEY – LANDS N/F KATHLEEN A. JONES REF. BOOK PAGE 442 AND LANDS N/F MICHAEL P. LAHAN, DEBORAH L. LANGAN & AMANDA BOUKSAS (TRUSTEES) REF. BOOK 423 PAGE 246 MIDDLE TURNPIKE (U.S. RT. 44) AND STORRS RD (CON. RT. 195)" DATED JUNE 8, 2011, LAST REVISED JUNE 21, 2011 AS PREPARED BY CHA.

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CUMBERLAND GULF GROUP OF COMPANIES
100 Crossing Boulevard
Framingham, MA 01702

Cumberland FARMS

CONNECTICUT LICENSED PROFESSIONAL ENGINEER MICHAEL E. HOLLENBECK No. 27916

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PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

EXISTING CONDITIONS PLAN

Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

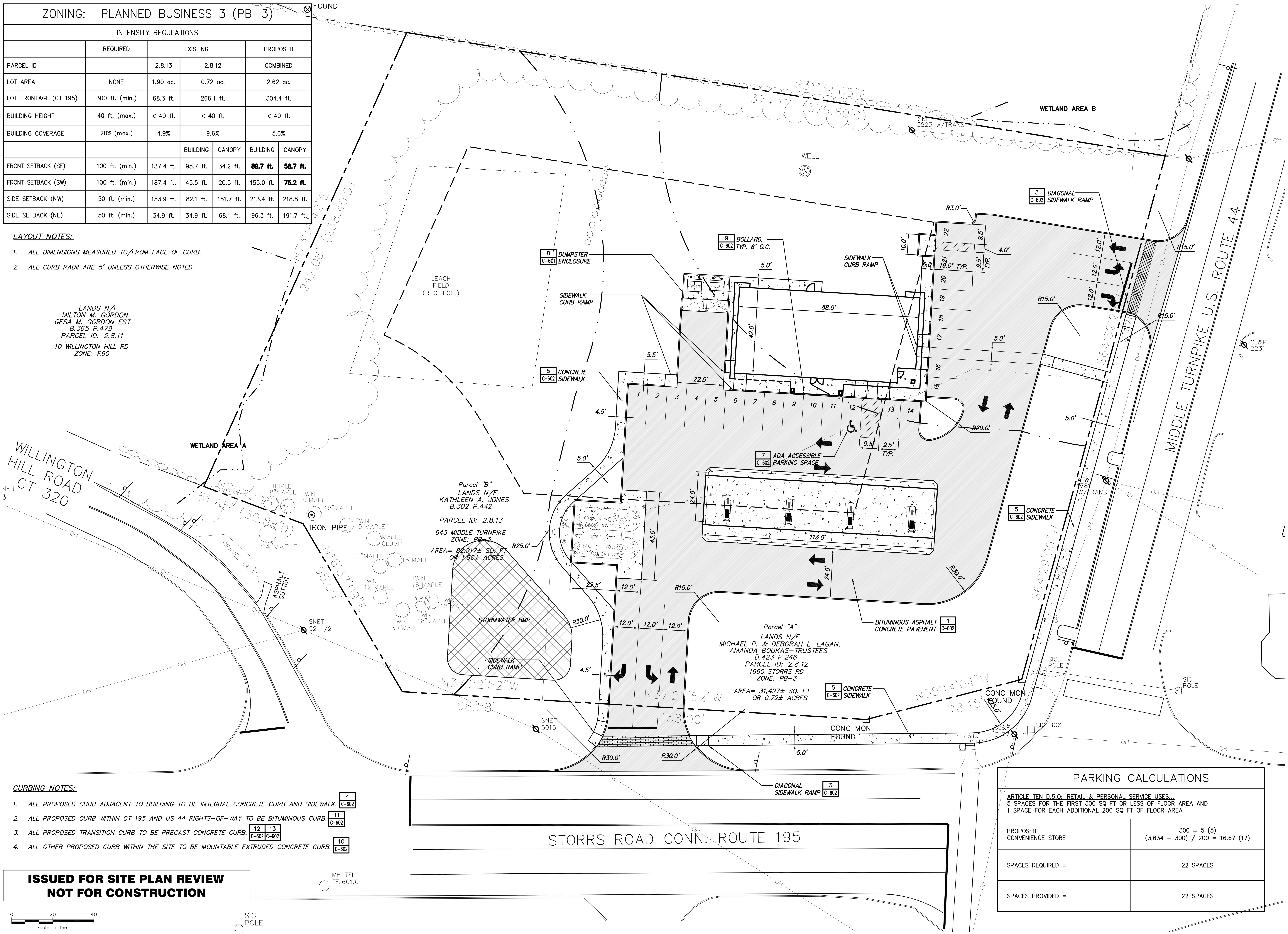
C-001

File: V:\PROJECTS\ANY\K2\23016\CADD_ACAD\C-001 EXISTING SITE PLAN.DWG
Saved: 7/20/2011 1:18:11 PM Plotted: 12/6/2011 8:02:51 AM User: Thatcher, Kevin LastSavedBy: 2016

ZONING: PLANNED BUSINESS 3 (PB-3)						
INTENSITY REGULATIONS						
	REQUIRED	EXISTING			PROPOSED	
PARCEL ID		2.8.13	2.8.12		COMBINED	
LOT AREA	NONE	1.90 ac.	0.72 ac.		2.62 ac.	
LOT FRONTAGE (CT 195)	300 ft. (min.)	68.3 ft.	266.1 ft.		304.4 ft.	
BUILDING HEIGHT	40 ft. (max.)	< 40 ft.	< 40 ft.		< 40 ft.	
BUILDING COVERAGE	20% (max.)	4.9%	9.6%		5.6%	
			BUILDING	CANOPY	BUILDING	CANOPY
FRONT SETBACK (SE)	100 ft. (min.)	137.4 ft.	95.7 ft.	34.2 ft.	**89.7 ft.**	**58.7 ft.**
FRONT SETBACK (SW)	100 ft. (min.)	187.4 ft.	45.5 ft.	20.5 ft.	155.0 ft.	**75.2 ft.**
SIDE SETBACK (NW)	50 ft. (min.)	153.9 ft.	82.1 ft.	151.7 ft.	213.4 ft.	218.8 ft.
SIDE SETBACK (NE)	50 ft. (min.)	34.9 ft.	34.9 ft.	68.1 ft.	96.3 ft.	191.7 ft.

LAYOUT NOTES:

1. *ALL DIMENSIONS MEASURED TO/FROM FACE OF CURB.*
2. *ALL CURB RADII ARE 5' UNLESS OTHERWISE NOTED.*



CURBING NOTES:

1. *ALL PROPOSED CURB ADJACENT TO BUILDING TO BE INTEGRAL CONCRETE CURB AND SIDEWALK.* 4 C-602
2. *ALL PROPOSED CURB WITHIN CT 195 AND US 44 RIGHTS-OF-WAY TO BE BITUMINOUS CURB.* 11 C-602
3. *ALL PROPOSED TRANSITION CURB TO BE PRECAST CONCRETE CURB.* 12 C-602, 13 C-602
4. *ALL OTHER PROPOSED CURB WITHIN THE SITE TO BE MOUNTABLE EXTRUDED CONCRETE CURB.* 10 C-602

ISSUED FOR SITE PLAN REVIEW
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0 20 40
Scale in feet

PARKING CALCULATIONS	
ARTICLE TEN D.5.0: RETAIL & PERSONAL SERVICE USES... 5 SPACES FOR THE FIRST 300 SQ FT OR LESS OF FLOOR AREA AND 1 SPACE FOR EACH ADDITIONAL 200 SQ FT OF FLOOR AREA	
PROPOSED CONVENIENCE STORE	300 = 5 (5) (3,634 – 300) / 200 = 16.67 (17)
SPACES REQUIRED =	22 SPACES
SPACES PROVIDED =	22 SPACES

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GROUP OF COMPANIES
100 Crossing Boulevard
Framingham, MA 01702

Cumberland FARMS

STATE OF CONNECTICUT · MICHAEL E. HOLLOWOOD · No. 27016 · LICENSED · PROFESSIONAL ENGINEER

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PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

SITE LAYOUT PLAN

Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-101

File: V:\PROJECTS\ANY\K2\23016\CADD_ACAD\C-101 SITE LAYOUT PLAN.DWG
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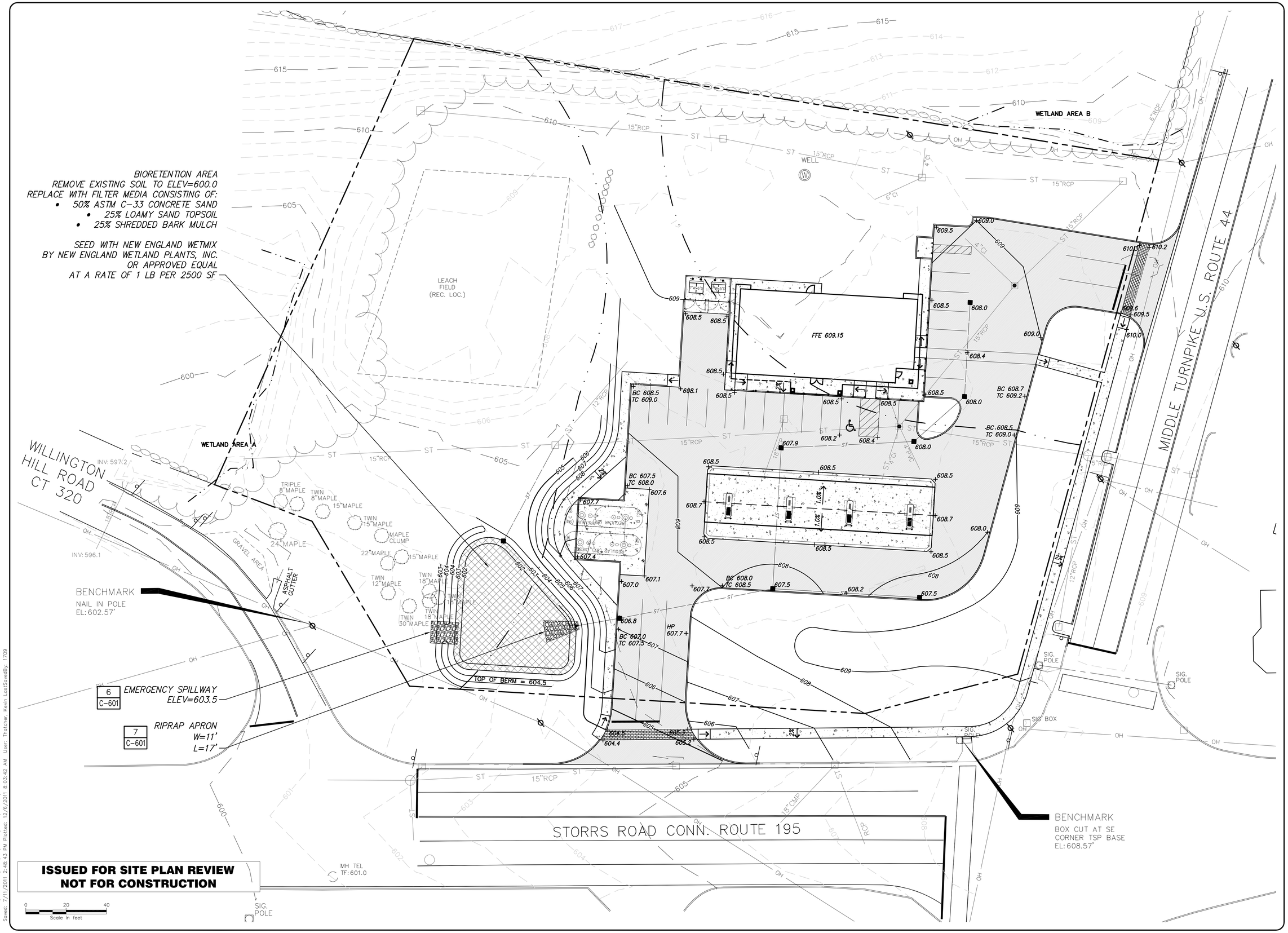

No.	Submittal / Revision	Appd	By	Date

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PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

SITE GRADING PLAN

Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-201

File: V:\PROJECTS\ANY\K2\23016\CADD_ACAD\C-201 SITE GRADING PLAN.DWG
Saved: 7/11/2011 2:48:43 PM Plotted: 12/6/2011 8:03:42 AM User: Thatcher, Kevin LastSavedBy: 1709

SEDIMENT & EROSION CONTROL NOTES

MANAGEMENT STRATEGIES

1. CONSTRUCTION TRAFFIC SHALL BE LIMITED TO THE CONSTRUCTION ENTRANCE. BARRICADE ALL OTHER ACCESS POINTS.

2. TEMPORARY SEED AND MULCH SHALL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING.

3. EROSION CONTROL MEASURES SHALL BE INSPECTED CONTINUOUSLY, ESPECIALLY FOLLOWING SIGNIFICANT STORM EVENTS TO LOCATE FAILING CONTROL MEASURES AND CONDUCT ROUTINE MAINTENANCE OPERATIONS.

4. THE CONSTRUCTION SUPERINTENDENT SHALL INFORM ALL ON-SITE WORKERS OF THE EROSION CONTROL PROGRAM.

5. ALL SEDIMENT THAT IS WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.

VEGETATIVE CONTROL PRACTICES

1. TOPSOIL STOCKPILING: TOPSOIL SHALL BE STRIPPED FROM AREAS TO BE DISTURBED AND STOCKPILED WITH SILT FENCE PROTECTION FOR LATER USE. STOCKPILE LOCATION SHALL BE APPROVED BY THE OWNER AND ENGINEER.

2. TEMPORARY SEEDING: THE TEMPORARY SEDIMENT BASINS, TOPSOIL STOCKPILE AND ROUGH GRADED AREAS SHALL BE SEEDED WITH WINTER RYE AT A RATE OF 120 LBS. PER ACRE. ANY SOILS THAT ARE LEFT EXPOSED AND UNDISTURBED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED.

A. SITE PREPARATION
- COMPLETE ALL ROUGH GRADING ACTIVITIES
- REMOVE ALL ROCKS AND DEBRIS LARGER THAN 3" IN DIAMETER FROM AREAS TO BE TEMPORARILY SEEDED.
- EVENLY APPLY LIME TO ACHIEVE A PH VALUE OF 6.0.
- EVENLY APPLY 1000 LBS. OF 10-10-10 ANALYSIS FERTILIZER PER ACRE.
- SEEDBED IS TO BE LEFT IN FIRM AND SMOOTH CONDITION.
- THE LAST TILLAGE OPERATION SHALL BE PERFORMED ACROSS THE SLOPE.

B. ESTABLISHMENT
- EVENLY APPLY SEED BY MEANS OF BROADCASTING OR HYDROSEEDING.
- UNLESS HYDROSEEDED, COVER SEED WITH 1/4" TO 1/2" OF TOPSOIL
- APPLY MULCH IMMEDIATELY FOLLOWING SEEDING.
- VERIFY SEEDING DATES WITH ENGINEER. IF ENGINEER DETERMINES THAT SEED CANNOT BE APPLIED DUE TO CLIMATE, TOPSOIL SHALL NOT BE SPREAD AND MULCHING SHALL BE APPLIED TO THE EXPOSED SURFACE TO STABILIZE SOILS UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- PERMANENT SEEDING SHALL BE APPLIED BETWEEN APRIL 15 AND JUNE 1 AND AUGUST 15 AND SEPTEMBER 30. TEMPORARY SEEDING SHALL BE APPLIED TO ALL DISTURBED AREAS OUTSIDE THIS TIME FRAME, UPON APPROVAL OF THE ENGINEER.

C. MAINTENANCE
- ALL SEEDED/MULCHED AREAS SHALL BE INSPECTED & WATERED REGULARLY BY THE CONTRACTOR TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY.

NONSTRUCTURAL CONTROL PRACTICES

1. SCARIFICATION: EXPOSED SLOPES EXCEEDING 4:1 SHALL BE SCARIFIED AT RIGHT ANGLES TO THE SLOPE. PROVIDE PERIODIC UPGRADING OF SERRATIONS DURING EXPOSED PERIOD UNTIL VEGETATION IS ESTABLISHED. PROVIDE VEGETATIVE COVER AS SOON AS POSSIBLE.

2. MULCH: HAY OR STRAW MULCH SHALL BE APPLIED IN CONJUNCTION WITH TEMPORARY/PERMANENT SEEDING AND TO GRADED AREAS WHICH REMAIN EXPOSED OUTSIDE OF RECOMMENDED SEEDING DATES. MULCH SHALL BE APPLIED AT 4000 LBS. PER ACRE. CONTRACTOR SHALL PERIODICALLY INSPECT AND REAPPLY AS NECESSARY, PARTICULARLY FOLLOWING SIGNIFICANT STORM EVENTS.

3. TOPSOIL: DISTURBED AREAS SHALL BE TOPSOILED PRIOR TO SEED APPLICATION. APPLICATION STANDARDS:
- REMOVE ALL ROCKS AND DEBRIS OVER 1-1/2" IN DIAMETER.
- SCARIFY SURFACE PRIOR TO SEED APPLICATION.
- APPLY 6" DEPTH OF TOPSOIL

4. SILT FENCE: SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE SITE. AT CULVERT OUTLET LOCATIONS, AND AS INDICATED ON THE DRAWINGS. SILT FENCE SHALL BE INSPECTED AND REPAIRED ROUTINELY, ESPECIALLY FOLLOWING SIGNIFICANT STORM EVENTS UNTIL THE SITE HAS BEEN STABILIZED BY VEGETATION.

STRUCTURAL CONTROL PRACTICES

1. DUST CONTROL: IF NECESSARY TO CONTROL DUST, A WATER TRUCK SHALL BE AVAILABLE FOR DUST CONTROL WHILE WORK IS PROCEEDING.

2. MAINTENANCE: EROSION CONTROL MEASURES SHALL BE CHECKED WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT. THE FOLLOWING ITEMS SHALL BE CHECKED IN PARTICULAR:

A. CB INLET PROTECTION SHALL BE INSPECTED FOR SILT ACCUMULATION. SEDIMENT SHALL BE REMOVED AFTER EACH STORM EVENT.

B. SILT FENCING SHALL BE INSPECTED REGULARLY FOR UNDERMINING AND DETERIORATION. REMOVE SEDIMENT FROM BEHIND FENCE WHEN IT BECOMES 6 INCHES DEEP.

C. SEEDED/MULCHED AREAS SHALL BE INSPECTED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY.

CONSTRUCTION SEQUENCE

1. MOBILIZATION
2. ESTABLISH ENGINEERING CONTROL.
3. STAKE CLEARING / DISTURBANCE LIMITS.
4. INSTALL EROSION CONTROL MEASURES.
5. CLEAR AND GRUB STAKED AREAS.
6. REMOVE, STOCKPILE AND STABILIZE TOPSOIL.
7. ROUGH GRADE SITE PER DESIGN PLANS.
8. INSTALL UTILITIES, SEWERS, WATER LINES, ETC.
9. CONSTRUCT BUILDING FOUNDATIONS.
10. APPLY GRAVEL TO PROPOSED PARKING AREAS.
11. CONSTRUCT BUILDINGS.
12. PAVE PROPOSED PARKING AREAS.
13. CLEAN ACCUMULATED SEDIMENT FROM EROSION CONTROL MEASURES.
14. COMPLETE FINAL GRADING AND INSTALL PERMANENT SEEDING.
15. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND GROUND STABILIZED, REMOVE EROSION CONTROL MEASURES AND RESEED ANY DISTURBED AREAS CREATED BY THEIR REMOVAL.

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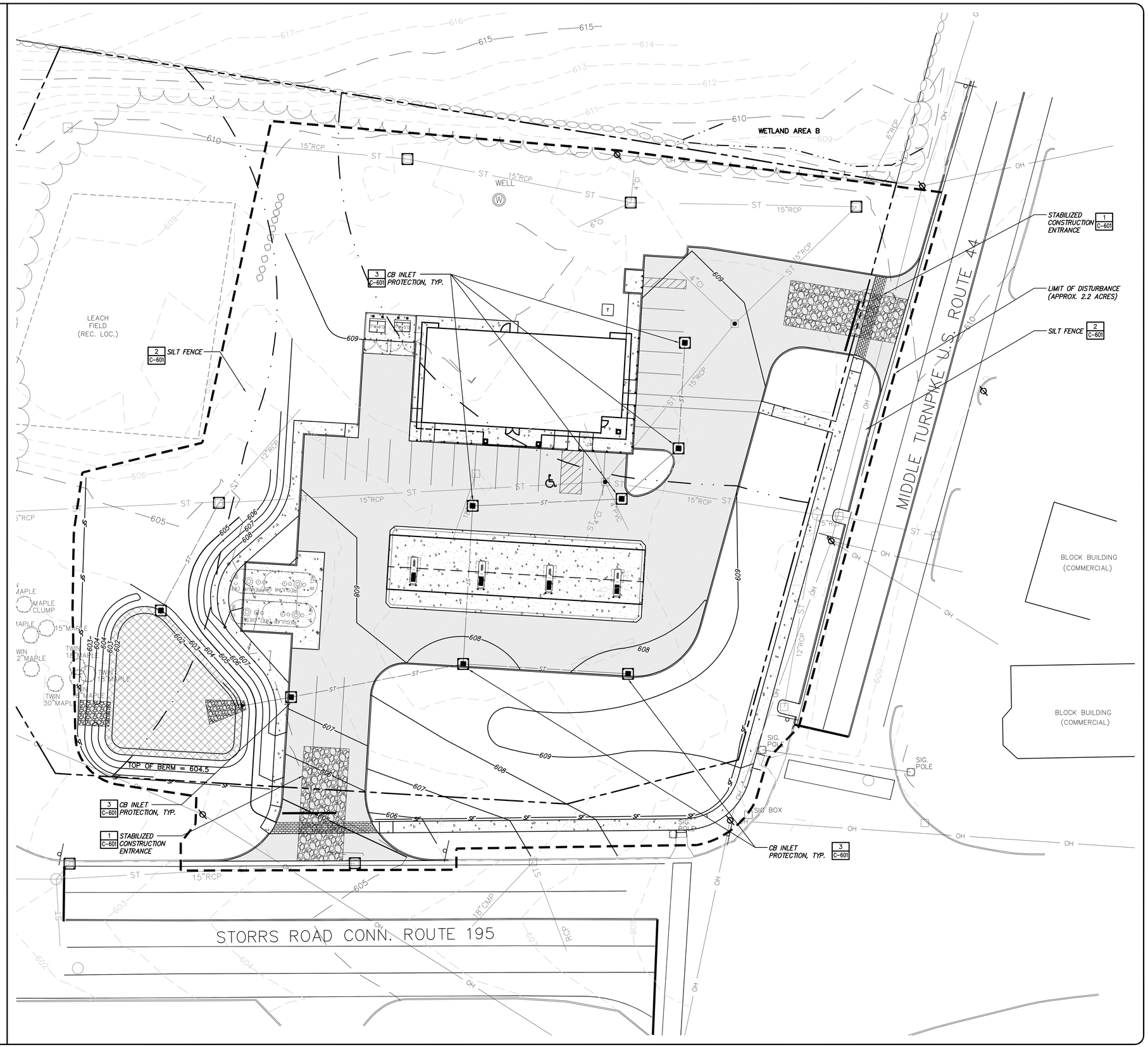
0 20 40
Scale in feet



No.	Submittal / Revision	Approd	By	Date

CUMBERLAND GULF GROUP OF COMPANIES
100 Crossing Boulevard
Framingham, MA 01702

Cumberland FARMS

CONNECTICUT LICENSED PROFESSIONAL ENGINEER
MICHAEL E. HOLLINGSWORTH
No. 27016
LICENSED
12/09/11

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PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

EROSION AND SEDIMENT CONTROL PLAN

Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-202

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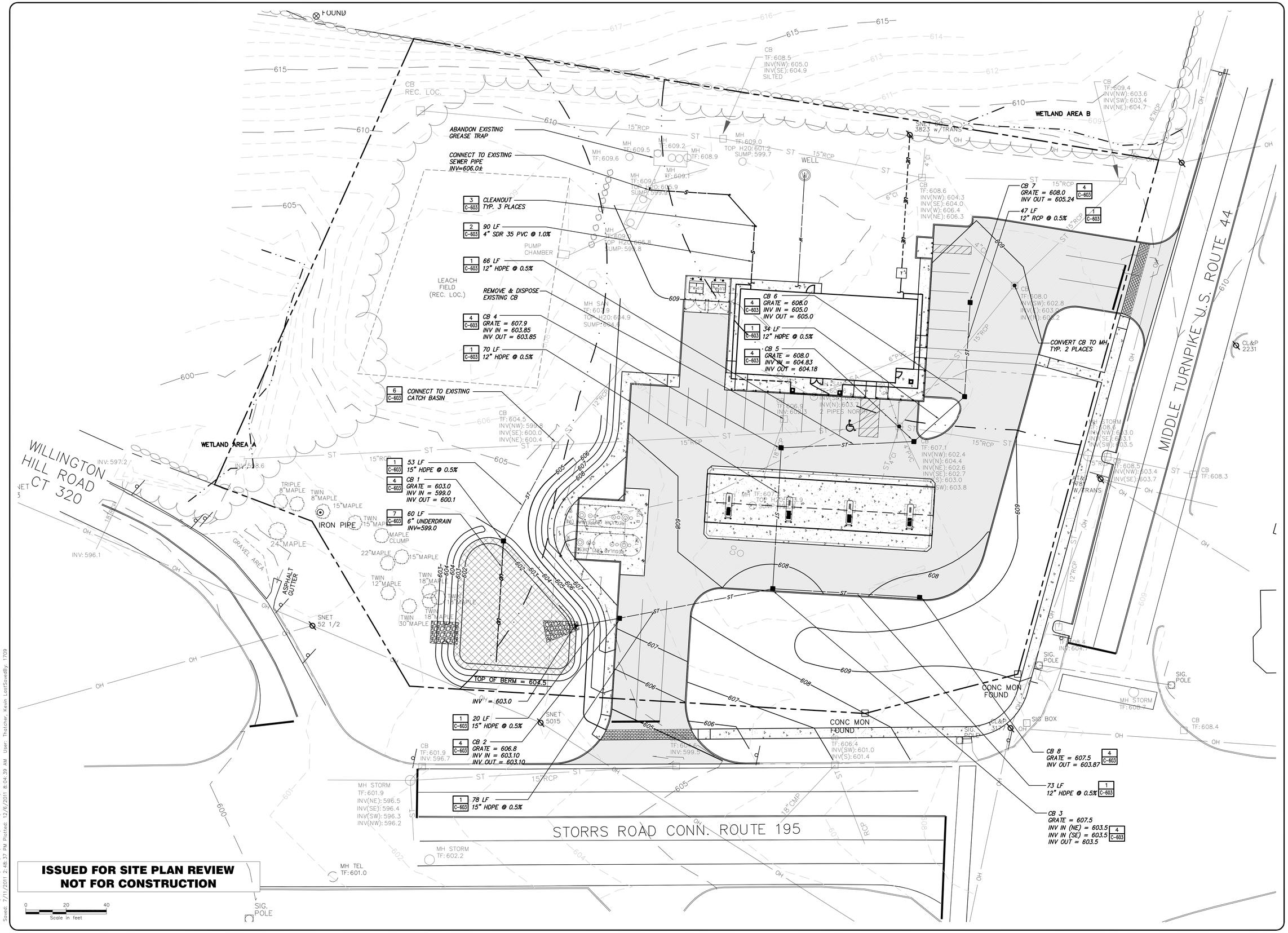

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CONNECTICUT LICENSED PROFESSIONAL ENGINEER MICHAEL E. HOLLENBECK No. 27016

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PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

SITE UTILITY PLAN

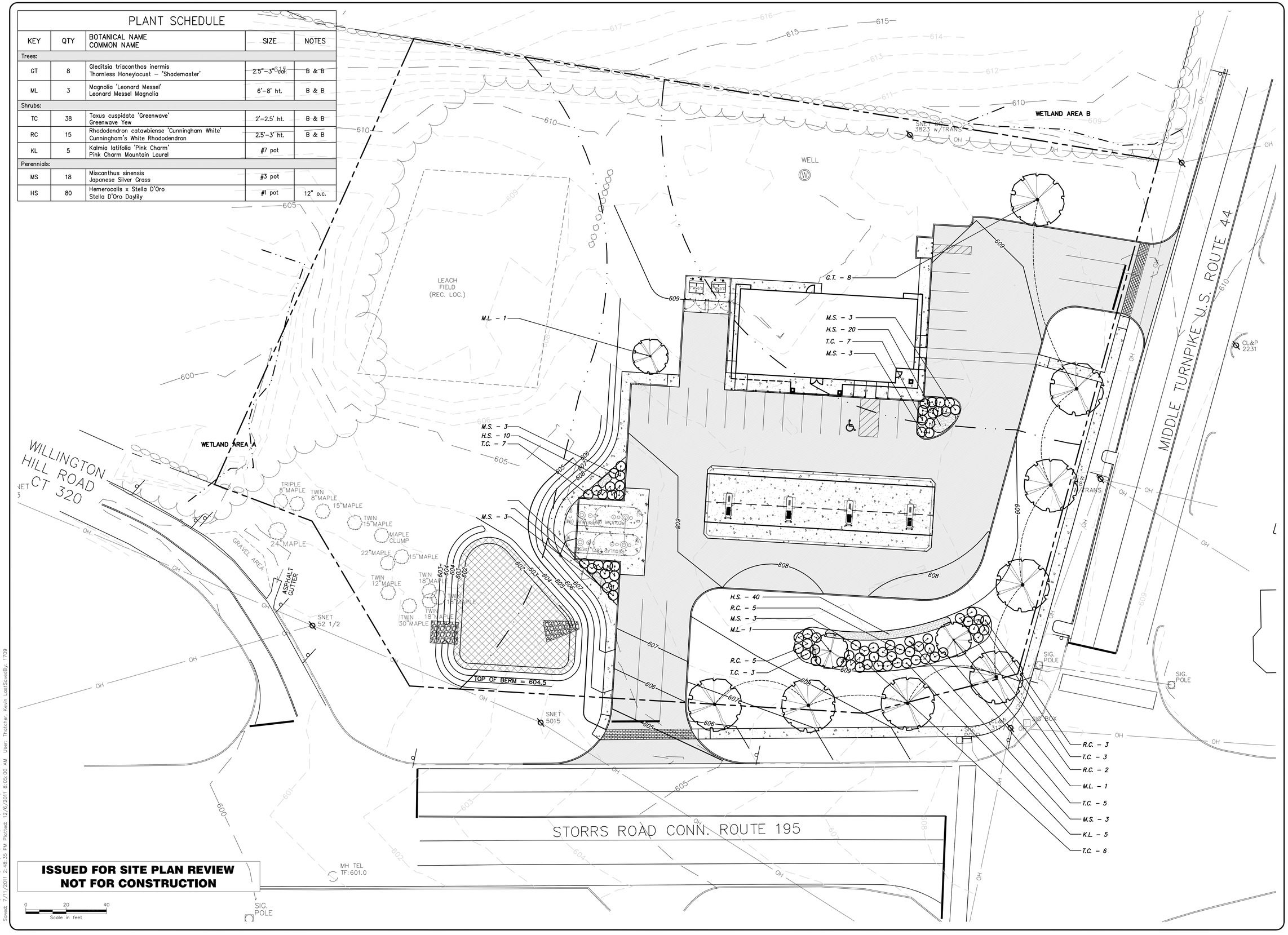
Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-301

File: V:\PROJECTS\ANY\K2\23016\CADD_ACAD\C-301 SITE UTILITY PLAN.DWG
Saved: 7/11/2011 2:48:37 PM Plotted: 12/6/2011 8:04:39 AM User: Thatcher, Kevin LastSaved By: 1709

PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME COMMON NAME	SIZE	NOTES
Trees:				
GT	8	Gleditsia triacanthos inermis Thornless Honeylocust – 'Shademaster'	2.5"–3" cal.	B & B
ML	3	Magnolia 'Leonard Messel' Leonard Messel Magnolia	6'–8' ht.	B & B
Shrubs:				
TC	38	Taxus cuspidata 'Greenwave' Greenwave Yew	2'–2.5' ht.	B & B
RC	15	Rhododendron catawbiense 'Cunningham White' Cunningham's White Rhododendron	2.5'–3' ht.	B & B
KL	5	Kalmia latifolia 'Pink Charm' Pink Charm Mountain Laurel	#7 pot	
Perennials:				
MS	18	Miscanthus sinensis Japanese Silver Grass	#3 pot	
HS	80	Hemerocalis x Stella D'Oro Stella D'Oro Daylily	#1 pot	12" o.c.



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File: V:\PROJECTS\ANY\K2\23016\CADD_ACAD\C-501 SITE LANDSCAPING PLAN.DWG
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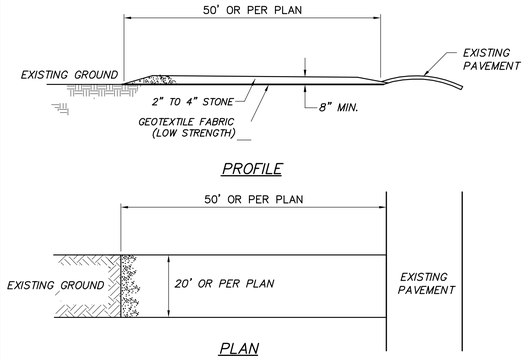
PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

SITE LANDSCAPING PLAN

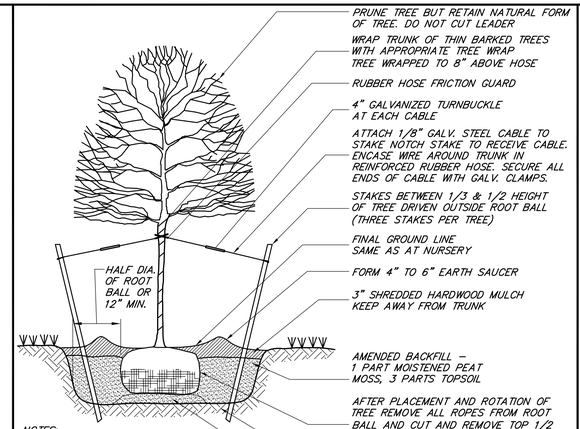
Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-501



NOTES:
1. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANING OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
2. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL EVENT.

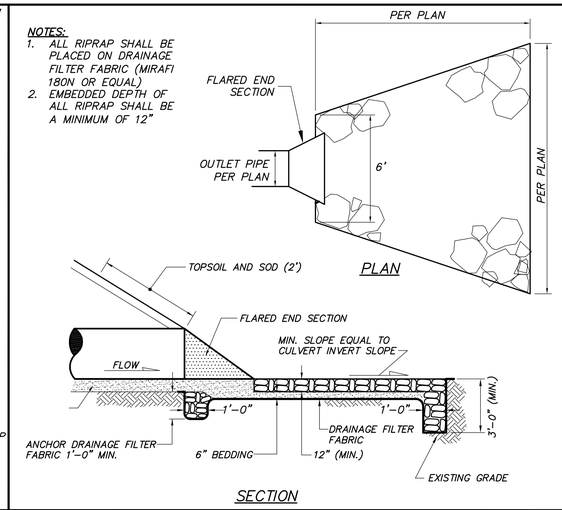
1 STABILIZED CONSTRUCTION ENTRANCE
SECTION, PLAN — SCALE: N.T.S.



NOTES:
1. SET TREES STRAIGHT AND PLUMB.
2. ANY BALL OVER 2 FEET IN DIAMETER SHALL BE PLATFORMED.
3. TREES OVER 6' IN HEIGHT OR 2½" CALIBER OR LARGER SHALL BE STAKED WITH 3 EQUALLY SPACED 2"x4" STAKES.

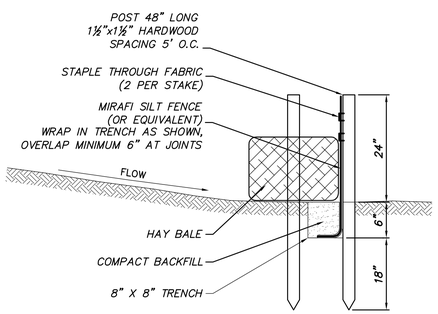
4 TYPICAL TREE PLANTING
SECTION — SCALE: N.T.S.

NOTES:
1. ALL RIPRAP SHALL BE PLACED ON DRAINAGE FILTER FABRIC (MIRAFI 180N OR EQUAL)
2. EMBEDDED DEPTH OF ALL RIPRAP SHALL BE A MINIMUM OF 12"



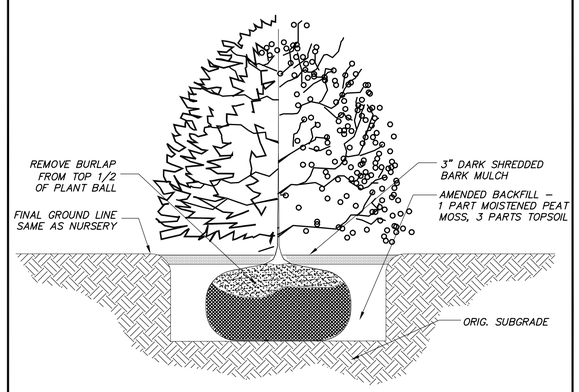
7 RIP RAP APRON
SECTION — SCALE: N.T.S.

9 NOT USED
SECTION — SCALE: N.T.S.

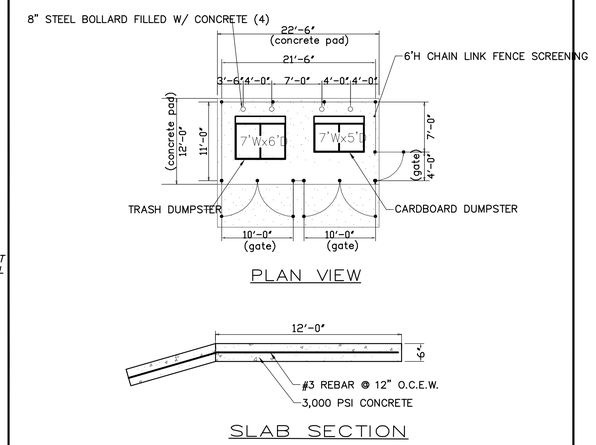


NOTES:
1. THE FENCING SHALL BE INSPECTED AFTER EVERY RAINFALL EVENT TO ENSURE ITS PROPER FUNCTIONING. IF THE FENCING IS DAMAGED IT SHALL BE REPAIRED IMMEDIATELY.
2. WHEN FENCE IS NO LONGER NEEDED, THE ACCUMULATED SILT, ALL THE POSTS AND FABRIC SHALL BE REMOVED AND TRENCH BACKFILLED WITH TOPSOIL AND SEEDED.

2 SILT FENCE
SECTION — SCALE: N.T.S.

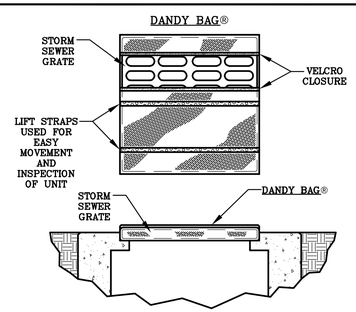


5 TYPICAL SHRUB PLANTING
SECTION — SCALE: N.T.S.



8 DUMPSTER ENCLOSURE
SECTION — SCALE: N.T.S.

10 NOT USED
SECTION — SCALE: N.T.S.

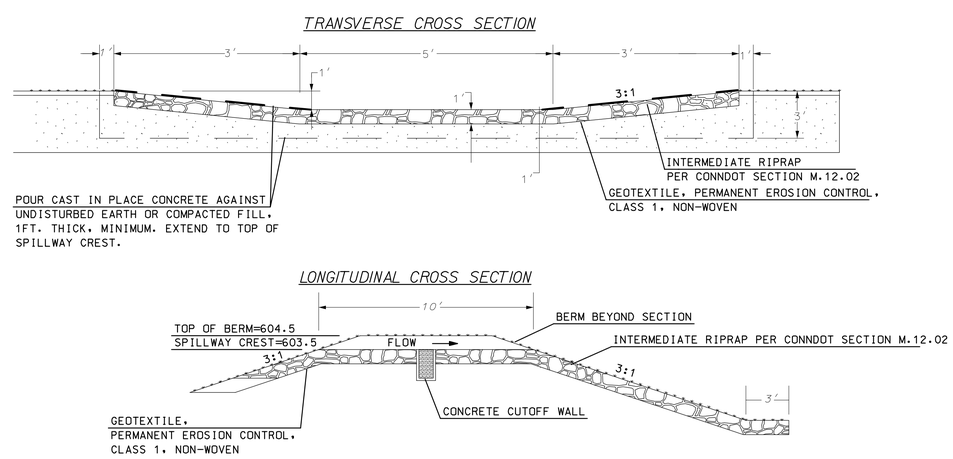


MATERIAL: DANDY BAG® BY DANDY PRODUCTS INC. OR APRROVED EQUAL

INSTALLATION:
1. PLACE THE EMPTY DANDY BAG® OVER THE GRATE AS THE GRATE STANDS ON END.
2. IF USING OPTIONAL OIL ABSORBENTS: PLACE ABSORBENT PILLOW IN POUCH, ON THE BOTTOM (BELOW–GRADE SIDE) OF THE UNIT.
3. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE.
4. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME.

MAINTENANCE:
1. REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH RAIN EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE DANDY BAG® AS NEEDED.
2. IF USING OPTIONAL OIL ABSORBENTS; REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

3 CATCH BASIN INLET PROTECTION
SECTION — SCALE: N.T.S.



6 SPILLWAY
SECTION — SCALE: N.T.S.

11 NOT USED
SECTION — SCALE: N.T.S.

No.	Submittal / Revision	April	By	Date

CUMBERLAND GULF GROUP OF COMPANIES
100 Crossing Boulevard
Framingham, MA 01702

Cumberland FARMS

MICHAEL L. ROLLINS CONNECTICUT LICENSED PROFESSIONAL ENGINEER No. 27916

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Main: (860) 257-4527 www.chacompanies.com

Checked: MLR
Drawn: MAJ
Designed: KDT

PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

CONSTRUCTION DETAILS

Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-601

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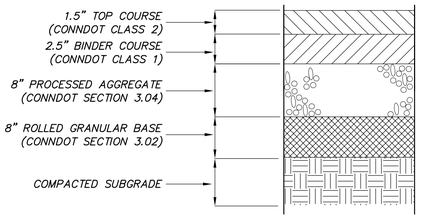
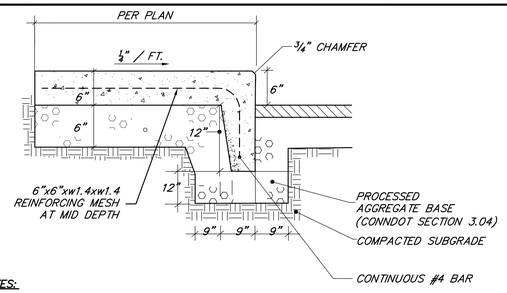


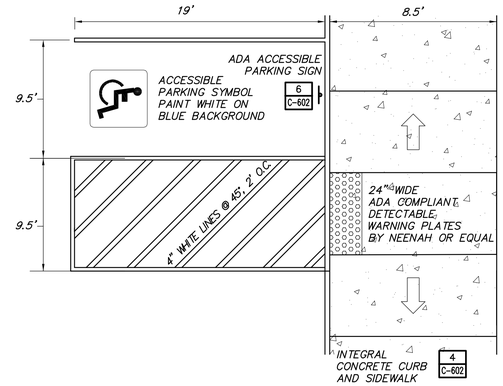
1 BITUMINOUS ASPHALT CONCRETE PAVEMENT SECTION
SECTION SCALE: N.T.S.



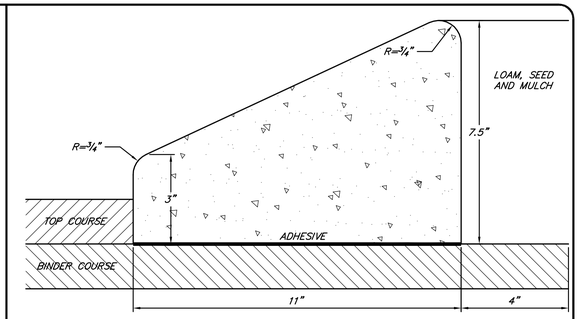
NOTES:

1. TRANSVERSE EXPANSION JOINTS TO BE PLACED AT A MAXIMUM LONGITUDINAL SPACING OF 20'.
2. EXPANSION JOINTS TO BE PLACED BETWEEN ADJACENT SLABS, AT BUILDING LINE, AT CURBS, OR AT PENETRATING STRUCTURES.
3. TRANSVERSE 1/4" CONTRACTION JOINTS TO BE CONSTRUCTED AT 5' INTERVALS, NO LONGITUDINAL JOINTS.
4. BROOM FINISH SURFACE PERPENDICULAR TO PEDESTRIAN FLOW.
5. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
6. PROVIDE A MINIMUM OF 4' FREE-DRAINING MATERIAL (<3% PASSING #200 SIEVE) BENEATH GRAVEL BASE WHERE SIDEWALK ABUTS BUILDING.

4 INTEGRAL CONCRETE CURB & SIDEWALK
SECTION SCALE: N.T.S.



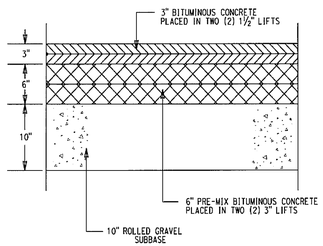
7 ADA ACCESSIBLE PARKING SPACE LAYOUT
PLAN SCALE: N.T.S.



NOTES:

1. CONCRETE SHALL BE 4000 PSI WITH FIBER MESH.
2. SEE BITUMINOUS ASPHALT CONCRETE PAVEMENT SECTION DETAIL ON THIS SHEET FOR SUBBASE AND BITUMINOUS CONCRETE PAVEMENT THICKNESSES AND SPECIFICATIONS.

10 EXTRUDED MOUNTABLE CONCRETE CURB
SECTION SCALE: N.T.S.

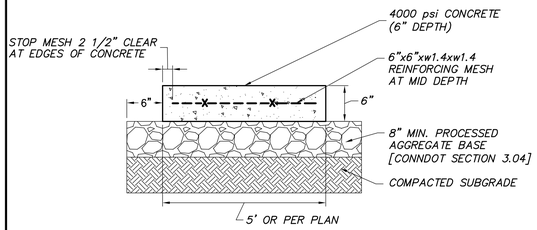


LEGEND
HMA - HOT MIX ASPHALT
S - SUPERPAVE
.5 - 1/2" STONE SIZE
1.5 - 1 1/2" STONE SIZE

NOT TO SCALE

REFER TO FORM 816-2004, SECTION 4.06 AND CTDOT HIGHWAY DESIGN MANUAL

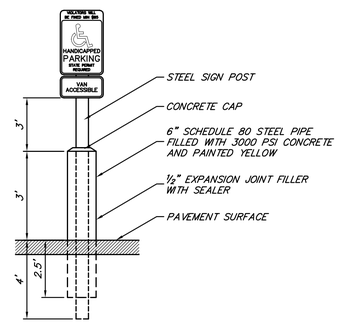
2 US 44/CT 195 BITUMINOUS CONCRETE PAVEMENT
SECTION SCALE: N.T.S.



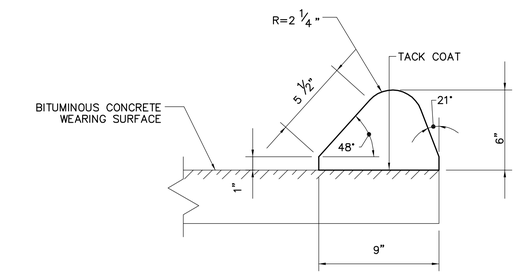
NOTES:

1. TRANSVERSE EXPANSION JOINTS TO BE PLACED AT A MAXIMUM LONGITUDINAL SPACING OF 20'.
2. EXPANSION JOINTS TO BE PLACED BETWEEN ADJACENT SLABS, AT BUILDING LINE, AT CURBS, OR AT PENETRATING STRUCTURES.
3. TRANSVERSE 1/4" CONTRACTION JOINTS TO BE CONSTRUCTED AT 5' INTERVALS, NO LONGITUDINAL JOINTS.
4. BROOM FINISH SURFACE PERPENDICULAR TO PEDESTRIAN FLOW.
5. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
6. PROVIDE A MINIMUM OF 4' FREE-DRAINING MATERIAL (<3% PASSING #200 SIEVE) BENEATH GRAVEL BASE WHERE SIDEWALK ABUTS BUILDING.

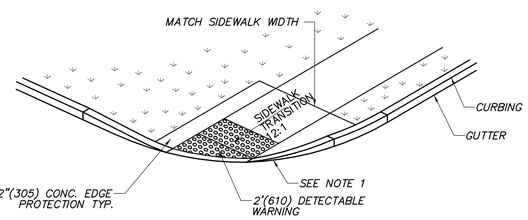
5 CONCRETE SIDEWALK
SECTION SCALE: N.T.S.



8 ADA ACCESSIBLE PARKING SIGN
SECTION SCALE: N.T.S.



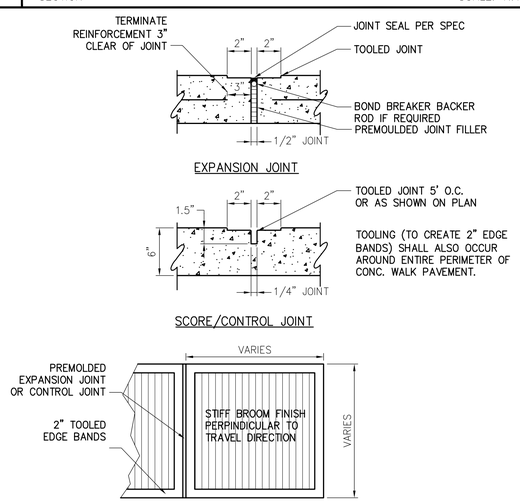
11 BITUMINOUS CONCRETE CURB
SECTION SCALE: N.T.S.



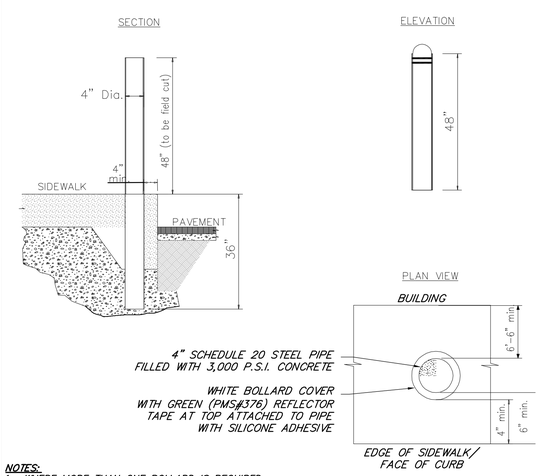
NOTE:

1. TRANSITION TO FULL HEIGHT CURB. INSTALL STONE CURBING IF ADJACENT CURBING IS STONE. INSTALL CONCRETE CURBING IF ADJACENT CURBING IS CONCRETE OR BITUMINOUS.

3 DIAGONAL SIDEWALK RAMP (TYPE 4d)
SECTION SCALE: N.T.S.



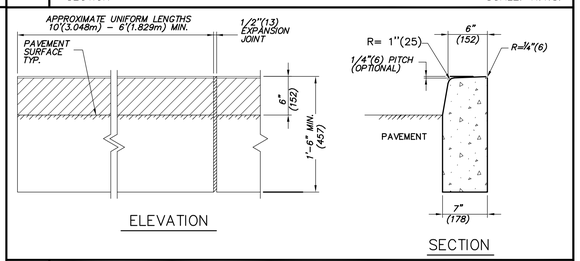
6 CONCRETE SIDEWALK JOINTING AN FINISHING
SECTION SCALE: N.T.S.



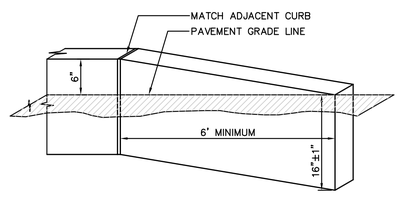
NOTES:

1. WHERE MORE THAN ONE BOLLARD IS REQUIRED, BOLLARDS SHALL BE PLACED 6.0' ON CENTER

9 BOLLARD
SECTION SCALE: N.T.S.



12 CONCRETE CURB
SECTION SCALE: N.T.S.



13 TRANSITION CURB
SECTION SCALE: N.T.S.

No.	Submittal / Revision	Approd	By	Date

CUMBERLAND GULF GROUP OF COMPANIES
100 Crossing Boulevard
Framingham, MA 01702

Cumberland FARMS

STATE OF CONNECTICUT · MICHAEL E. HOLDEN · No. 27016 · LICENSED PROFESSIONAL ENGINEER

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Designed: KDT | Drawn: MAJ | Checked: MLR

PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

CONSTRUCTION DETAILS

Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-602

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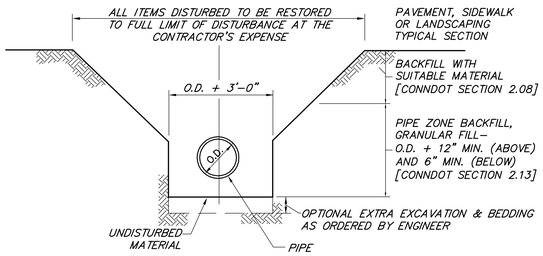
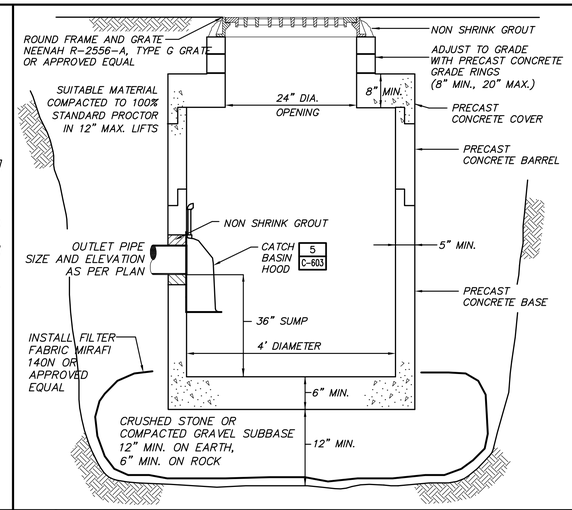


NOTE
BACKFILL AROUND PIPE MUST BE COMPACTED TO A MINIMUM DENSITY OF 95% PER AASHTO T-99

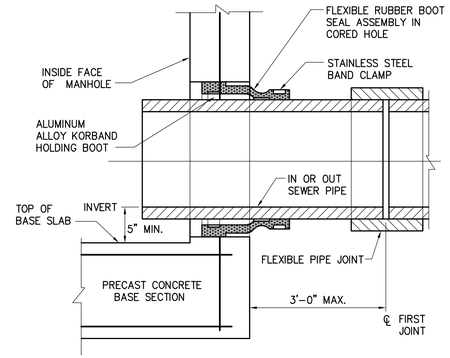
1 TYPICAL WATER/DRAINAGE TRENCH

SECTION — SCALE: N.T.S.



4 CATCH BASIN

SECTION — SCALE: N.T.S.

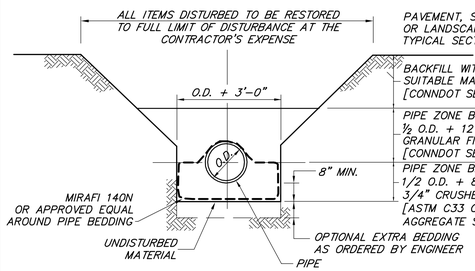


6 FLEXIBLE PIPE-TO-MH CONNECTION

SECTION — SCALE: N.T.S.

9 NOT USED

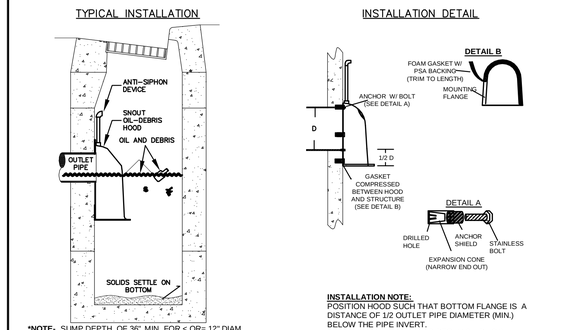
SECTION — SCALE: N.T.S.



NOTE
BACKFILL AROUND PIPE MUST BE COMPACTED TO A MINIMUM DENSITY OF 95% PER AASHTO T-99

2 TYPICAL SANITARY SEWER TRENCH

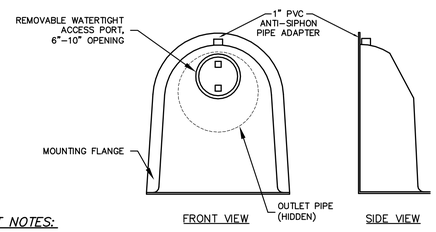
SECTION — SCALE: N.T.S.



*NOTE- SUMP DEPTH OF 36" MIN. FOR < OR= 12" DIAM. OUTLET. FOR OUTLETS >OR= 15", DEPTH = 2.5-3X DIAM.

INSTALLATION NOTE:-
POSITION HOOD SUCH THAT BOTTOM FLANGE IS A DISTANCE OF 1/2 OUTLET PIPE DIAMETER (MIN.) BELOW THE PIPE INVERT. MINUMUM DISTANCE FOR PIPES < 12" I.D. IS 6".

CONFIGURATION DETAIL

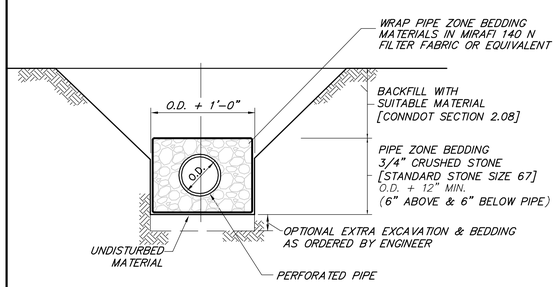


SNOUT NOTES:

1. ALL NEW AND/OR EXISTING CATCH BASINS OR WATER QUALITY STRUCTURES SHALL BE OUTFITTED WITH THE SNOUT® OIL-DEBRIS SEPARATOR AS MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC. OR APPROVED EQUAL.
2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (SNOUT SIZE ALWAYS LARGER THAN PIPE SIZE).
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8' STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE:
   A. INSTALLATION INSTRUCTIONS
   B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
   C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
   D. 3/8" STAINLESS STEEL BOLTS
   E. ANCHOR SHIELDS

5 CATCH BASIN HOOD

SECTION — SCALE: N.T.S.



NOTES:

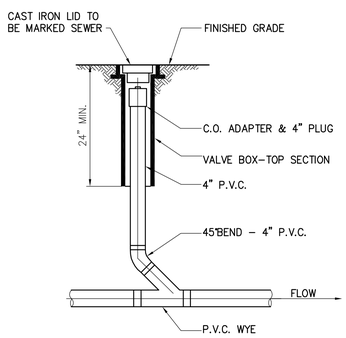
1. PERFORATED PIPE TO BE 6" PVC WITH AASHTO CLASS 1 PERFORATION PATTERN UNLESS OTHERWISE NOTED ON PLANS.
2. PERFORATED PIPE SHALL BE INSTALLED LEVEL WITH PERFORATIONS ON LOWER HALF OF PIPE.

7 UNDERDRAIN

SECTION — SCALE: N.T.S.

10 NOT USED

SECTION — SCALE: N.T.S.



3 IN-LINE CLEANOUT

SECTION — SCALE: N.T.S.

8 NOT USED

SECTION — SCALE: N.T.S.

11 NOT USED

SECTION — SCALE: N.T.S.

No.	Submittal / Revision	Apr'd	By	Date

CUMBERLAND GULF GROUP OF COMPANIES
100 Crossing Boulevard
Framingham, MA 01702

Cumberland FARMS

STATE OF CONNECTICUT — MICHAEL E. HOLLOWAY — No. 27016 — LICENSED PROFESSIONAL ENGINEER

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Designed: KDT | Drawn: MAJ | Checked: MLR

PROPOSED CONVENIENCE STORE
US 44 / CT 195 / CT 320
MANSFIELD (STORRS), CT

CONSTRUCTION DETAILS

Issue Date: 12/09/11 | Project No.: 23016 | Scale: AS NOTED

C-603

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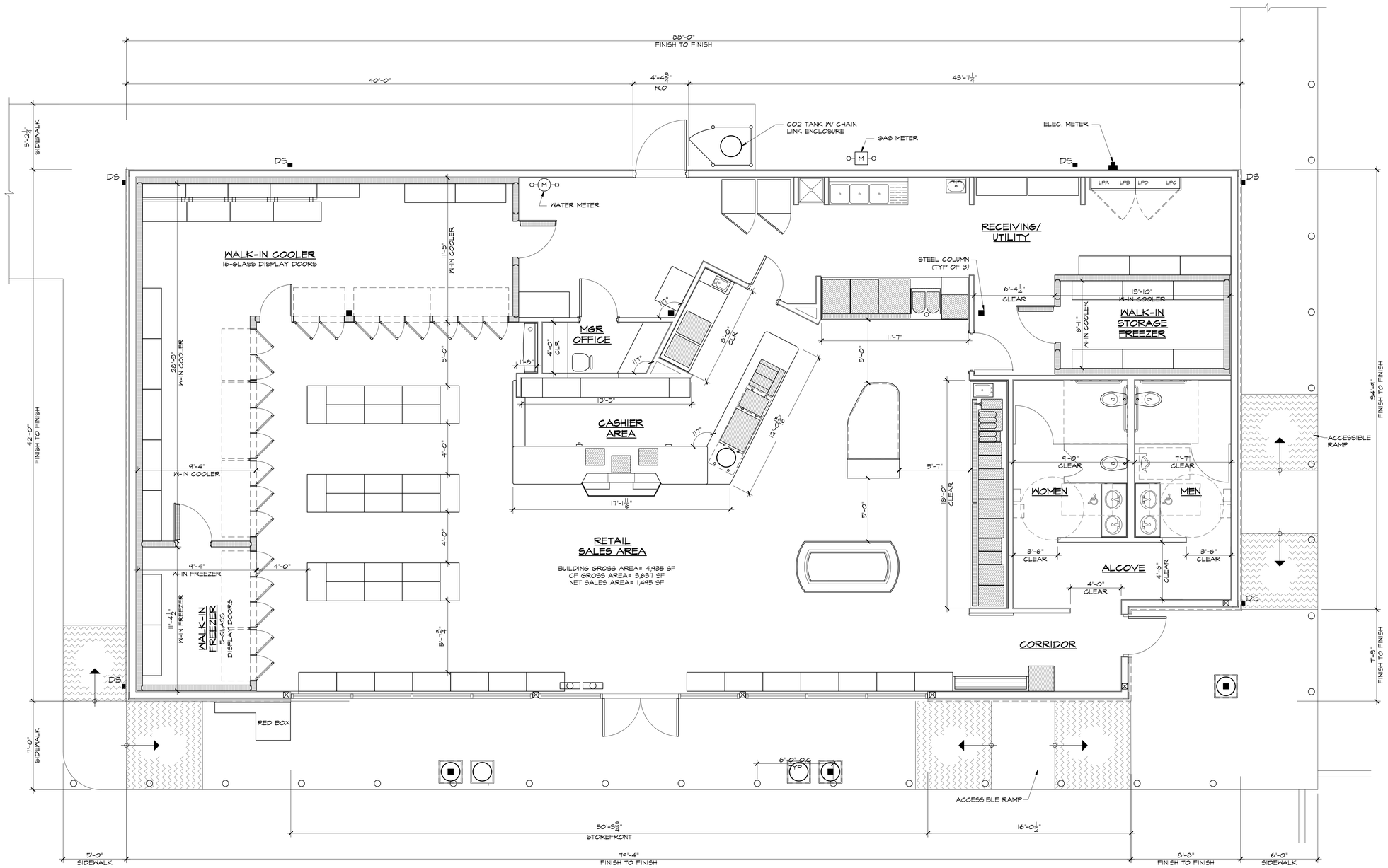

1 FLOOR PLAN
SCALE: 1/4" = 1'-0"

N
PLAN

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ARCHITECTS

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REVISIONS

NUMBER	REMARKS	DATE

FOR REVIEW

PROJECT TITLE

Cumberland FARMS
100 Crossing Blvd, Framingham, Massachusetts

STORE # NEW
PROPERTY # VXXXX

RTE. 195 @ US 44

MANSFIELD, CT
Tolland County

DRAWING TITLE

FLOOR PLAN & PARTITION TYPES

DATE	PROJ NO
JULY 11, 2011	0000
DRAWN BY	**CHECKED BY**
BB	AZ

DRAWING NUMBER

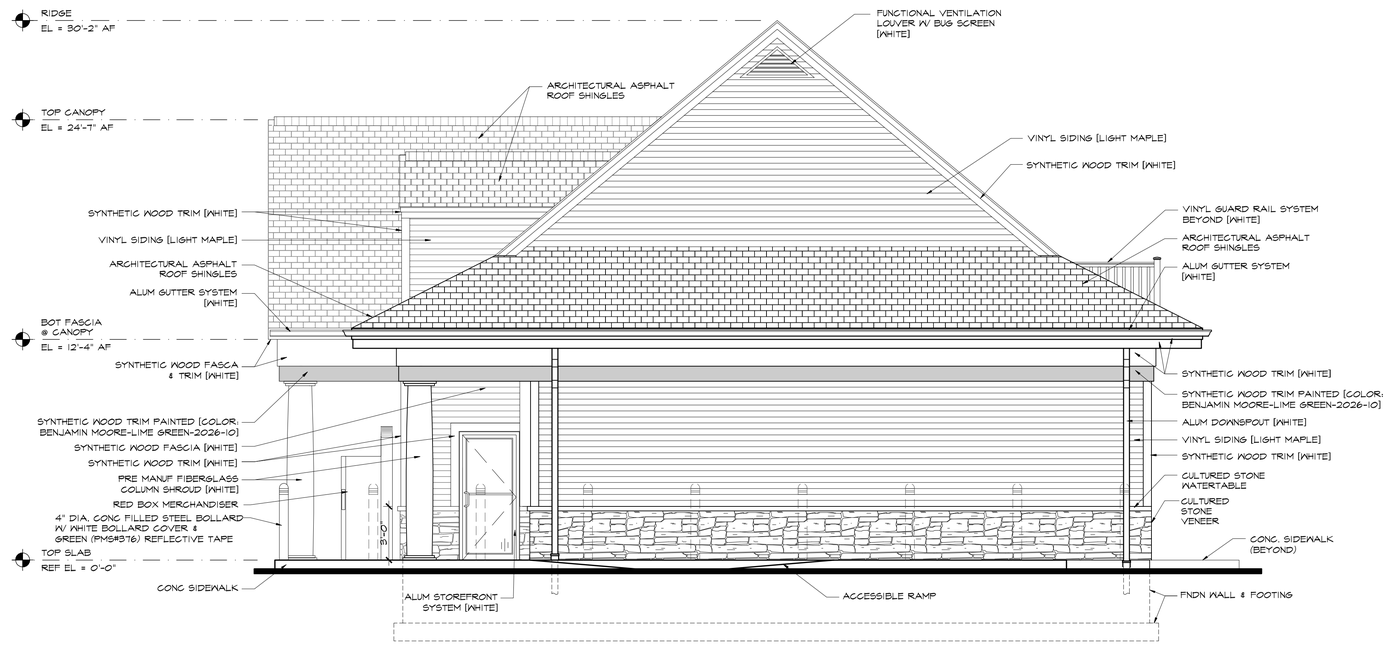
A1.1

WALL SIGNAGE SPECIFICATION

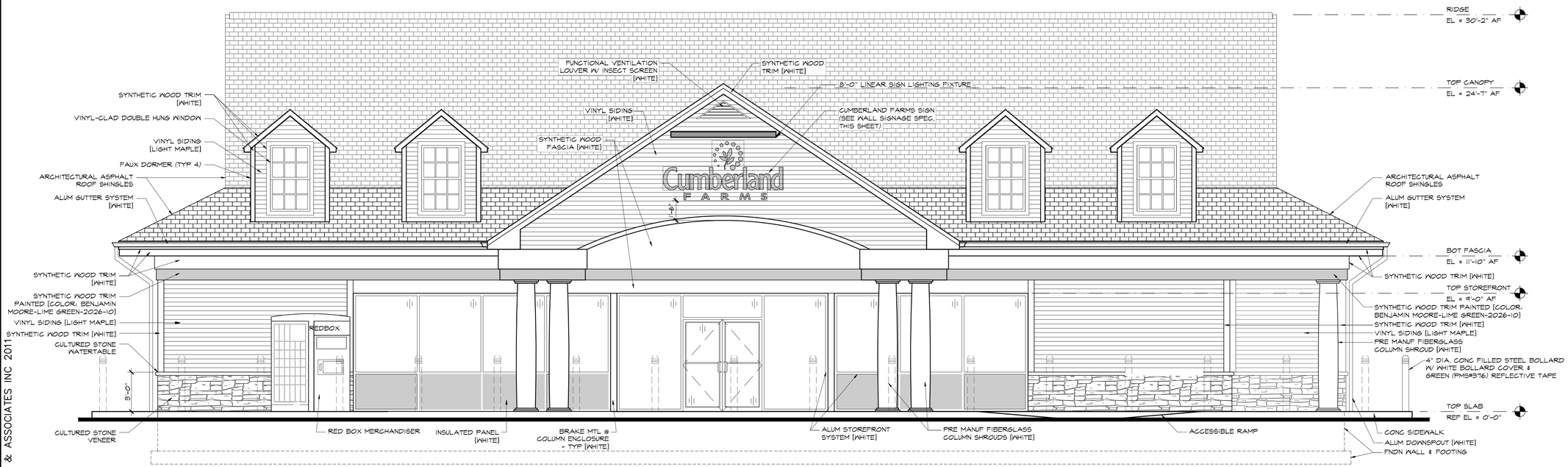
CUSTOM FABRICATED
EXTERNALLY ILLUMINATED

SUPPLIED BY OWNER - INSTALLED IN FIELD BY SIGN VENDOR
SIGN AREA = 25.7 SQ. FT.

3 WALL SIGNAGE DETAIL
SCALE: 1" = 1'-0"



2 WEST (SIDE) ELEVATION
SCALE: 1/4" = 1'-0"



1 SOUTH (FRONT) ELEVATION
SCALE: 1/4" = 1'-0"

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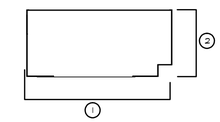


REVISIONS

NUMBER	REMARKS	DATE

FOR REVIEW

PROJECT TITLE

Cumberland FARMS
100 Crossing Blvd, Framingham, Massachusetts

STORE # NEW
PROPERTY # VXXXX

RTE. 195 @ US 44

MANSFIELD, CT
Tolland County

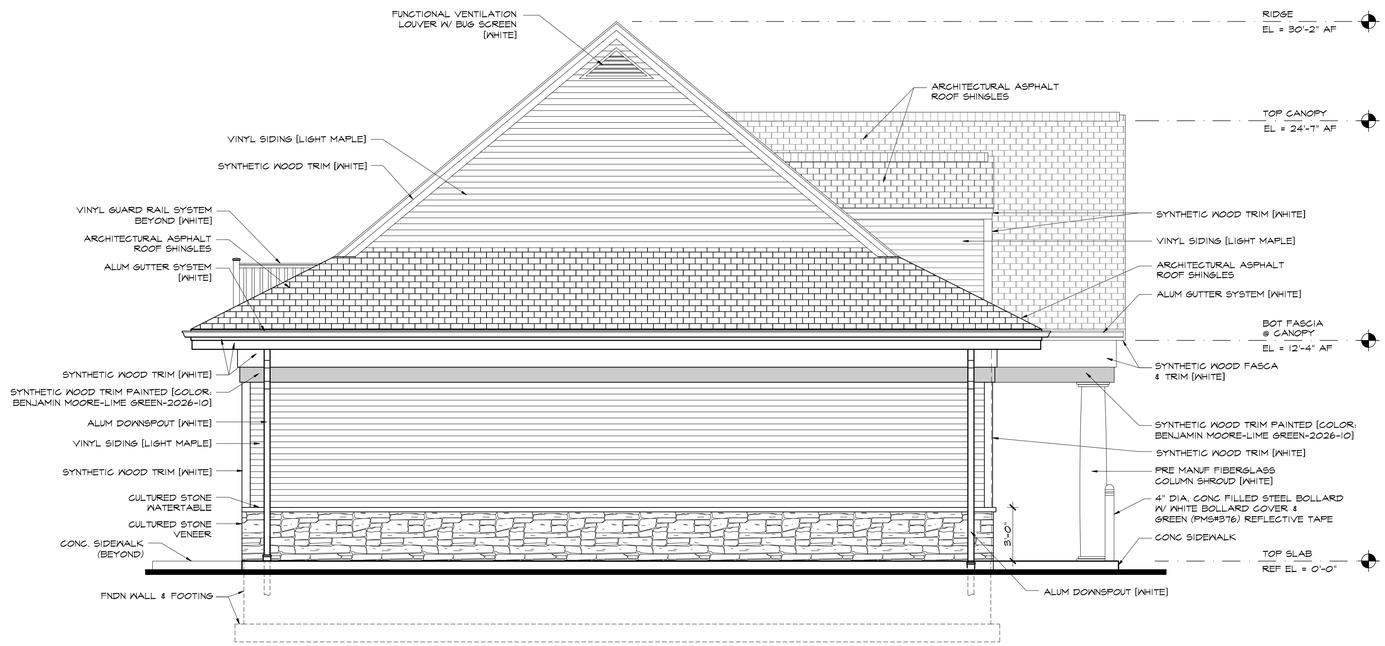
DRAWING TITLE

EXTERIOR ELEVATIONS

DATE	PROJ NO
JULY 11, 2011	0000
DRAWN BY	CHECKED BY
BB	AZ

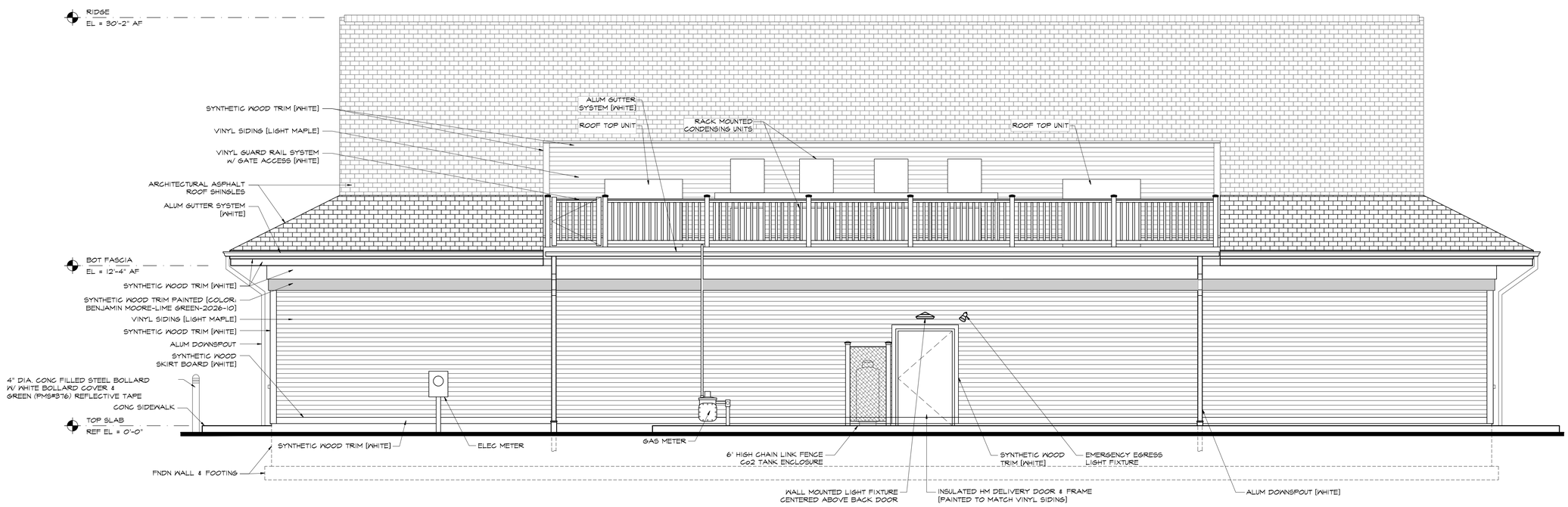
DRAWING NUMBER

A3.1



2 EAST (SIDE) ELEVATION

SCALE: 1/4" = 1'-0"



1 NORTH (REAR) ELEVATION

SCALE: 1/4" = 1'-0"

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AHARONIAN
& ASSOCIATES INC.
ARCHITECTS

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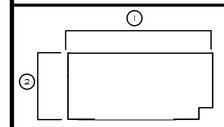


REVISIONS

NUMBER	REMARKS	DATE

FOR REVIEW

PROJECT TITLE

Cumberland FARMS

100 Crossing Blvd, Framingham, Massachusetts

STORE # NEW
PROPERTY # VXXXX

RTE. 195 @ US 44

MANSFIELD, CT
Tolland County

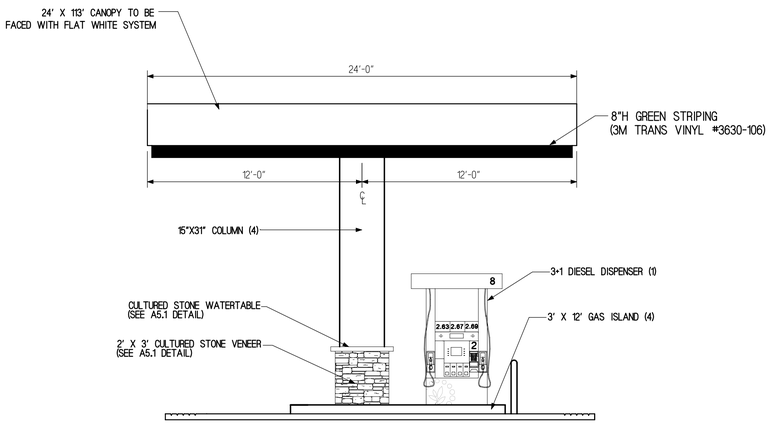
DRAWING TITLE

EXTERIOR ELEVATIONS

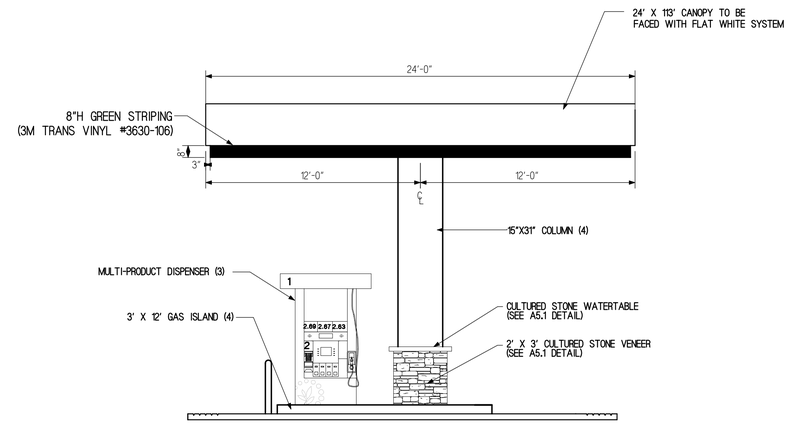
DATE	PROJ NO
JULY 11, 2011	0000
DRAWN BY	CHECKED BY
BB	AZ

DRAWING NUMBER

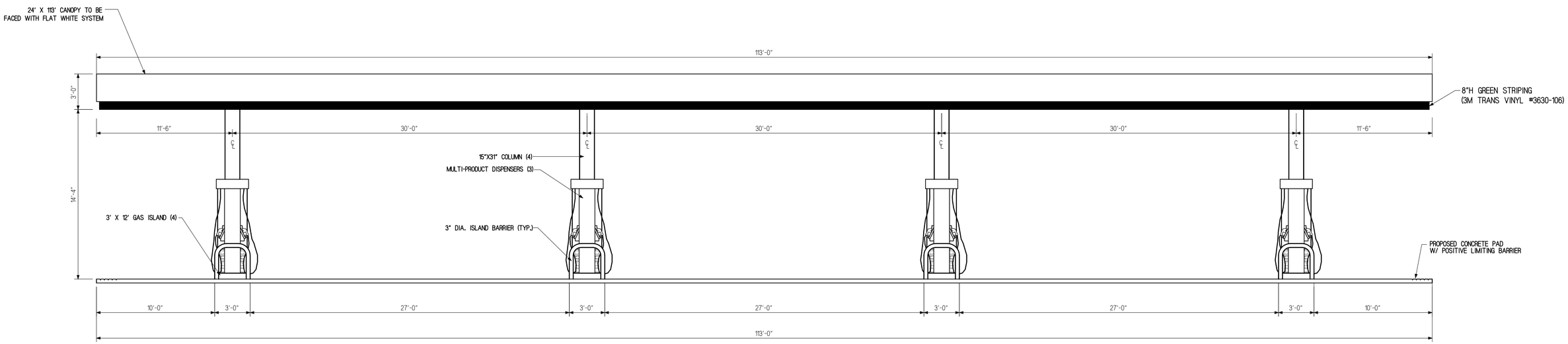
A3.2



LEFT SIDE ELEVATION



RIGHT SIDE ELEVATION



FRONT ELEVATION

GRAPHIC SCALE

4 0 4 8 12 16

scale: 1/4" = 1'-0"

REVISIONS		
DATE	REV. BY.	DESCRIPTION

V# NEW

Store# NEW

U.S. ROUTE 44 @ CT ROUTE 195

MANSFIELD (STORRS), CONNECTICUT

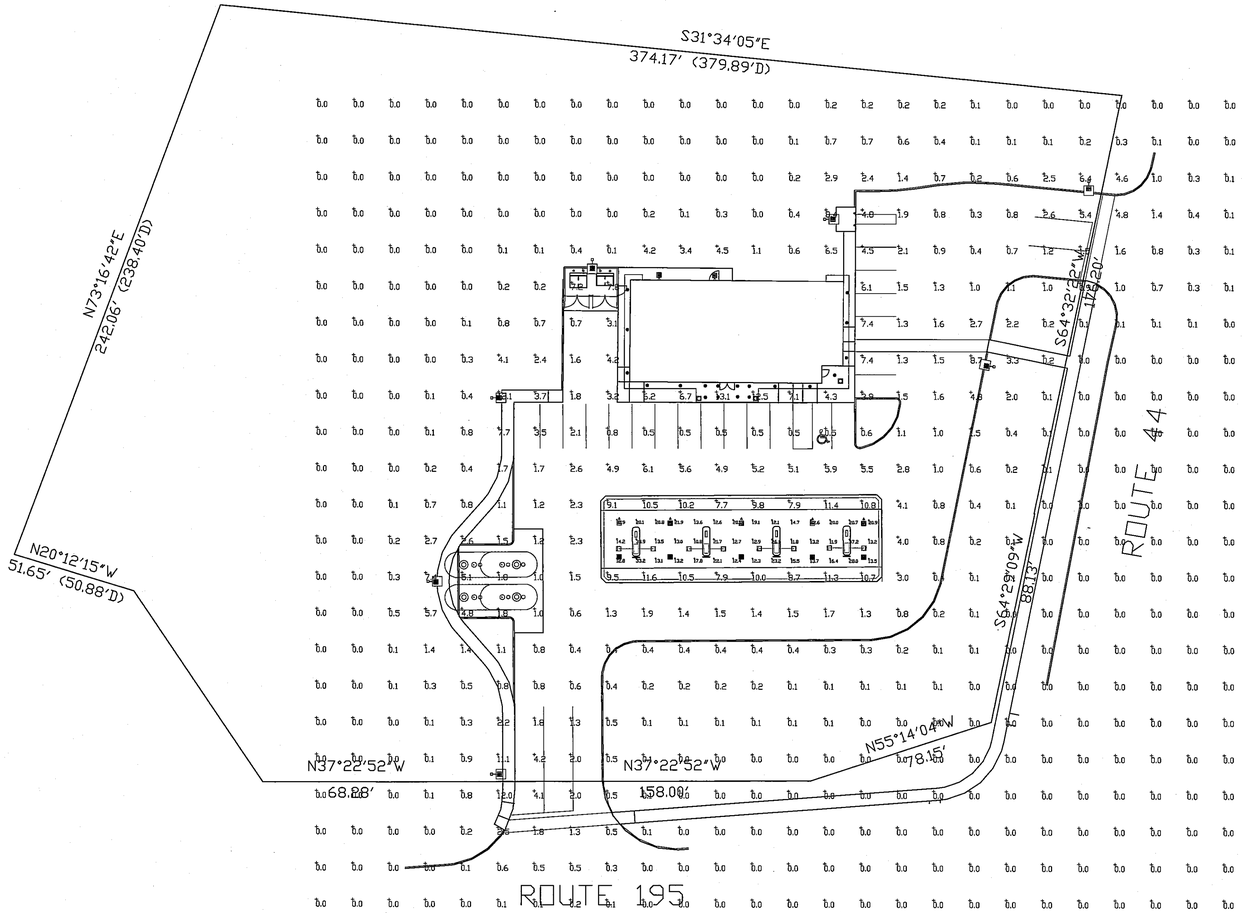
Cumberland FARMS

CUMBERLAND FARMS, INC.
100 Crossing Boulevard
Framingham, Massachusetts 01702

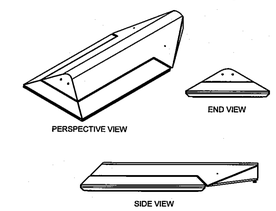
SCALE:	1/4" = 1'-0"
DATE:	07-08-11
FILE:	CANOPY/mansct.pj
DRAWN BY:	JDM
CHECKED BY:	

PROPOSED CANOPY ELEVATIONS

1 OF 1

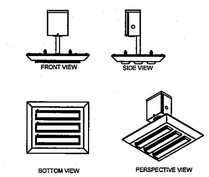


XAM3
LED Crossover Area Light



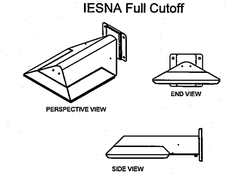
Crossover GENERATION 3

CRO3 FO
LED Crossover Focus (Single Deck)



Crossover GENERATION 3

XAWS3
LED Crossover Wall Light
IESNA Full Cutoff



Crossover GENERATION 3

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description	LLF	Lumens/Lamp	Arr. Lum. Lumens	Arr. Watts
	7	A	SINGLE	XAM3-FT-LED-119-350-CW-UE-S-14'POLE+2'BASE	1.000	N.A.	10028	138
	8	B	SINGLE	CRO3-FO-LED-30-CW-UE	1.000	N.A.	2674	36.1
	5	C	SINGLE	CRO3-ES-LED-84-350-CW-UE	1.000	N.A.	7996	97
	5	D	SINGLE	CRO3-A-LED-84-350-CW-UE	1.000	N.A.	8900	99
	2	E	SINGLE	XAWS-3-LED-63-CW-UE	1.000	N.A.	7996	97
	19	F	SINGLE	DM6LED27U-R6LED30KMDCS FIXTURE BY OTHERS	1.000	N.A.	1416	26.9

Total Project Watts
Total Watts = 2096.8

NOTE: LSI INDUSTRUES WILL NOT BE RESPONSIBLE FOR THE PHOTOMETRIC ACCURACY OF ANY FIXTURES USED IN A LIGHTING PLAN NOT MANUFACTURED OR TESTED BY LSI.

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine applicability of the layout to existing or future field conditions.

This lighting pattern represents illumination levels calculated from laboratory data taken under controlled conditions utilizing current industry standard lamp ratings in accordance with Illuminating Engineering Society approved methods. Actual performance of any manufacturer's luminaire may vary due to variation in electrical voltage, tolerance in lamps and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL CALC POINTS	Illuminance	Fc	0.93	13.1	0.0	N.A.	N.A.
CANOPY	Illuminance	Fc	17.96	37.2	10.8	1.66	3.44
PUMP_VERTICAL	Illuminance	Fc	46.07	88.9	16.1	2.86	5.52
INSIDE CURB	Illuminance	Fc	3.05	11.6	0.3	10.17	38.67

Footcandle levels at grade

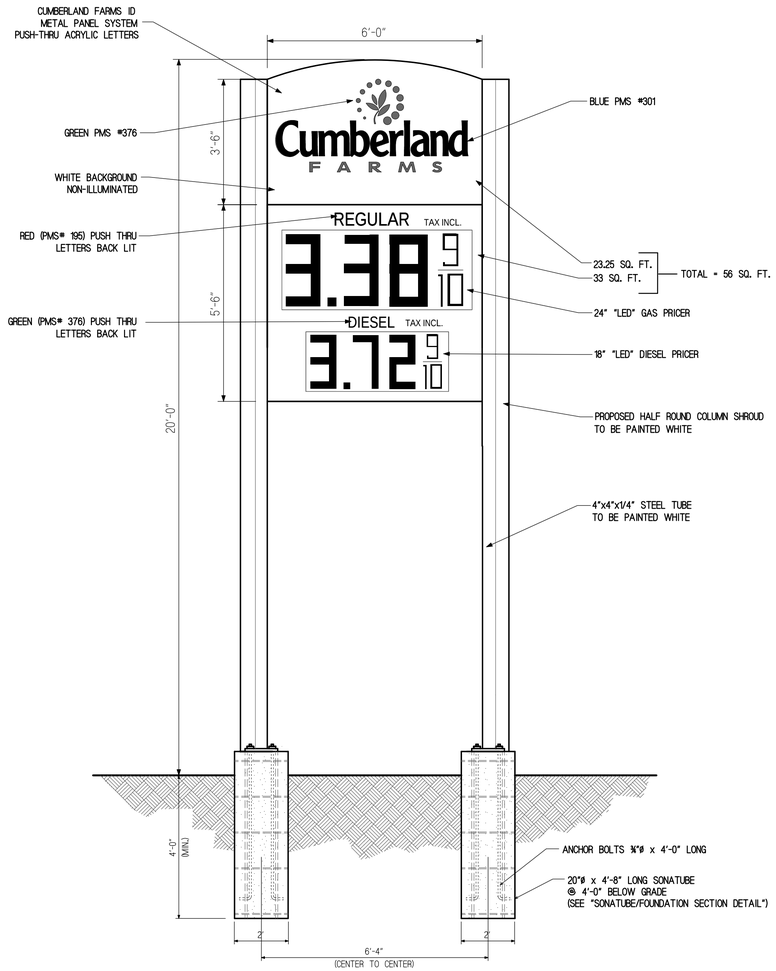
30FT

LSI INDUSTRIES™
10000 ALLIANCE RD. CINCINNATI, OHIO 45242 USA
(513) 793-3200 • FAX (513) 793-1493

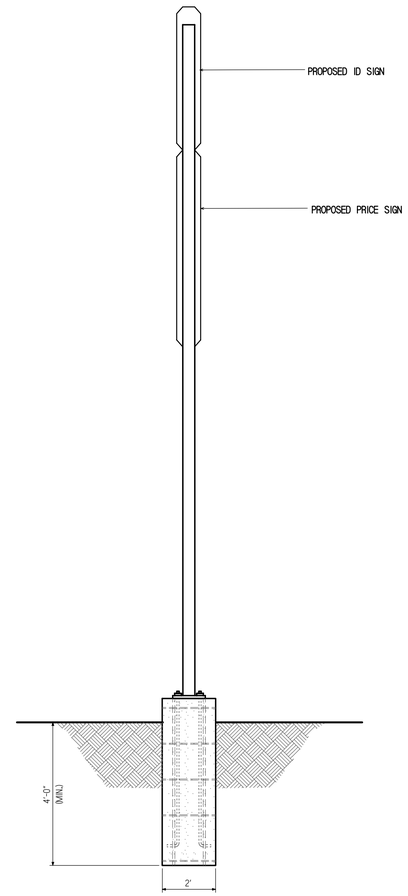
LIGHTING PROPOSAL FOR

CUMBERLAND FARMS
RT 195 & RT 44
MANSFIELD,CT

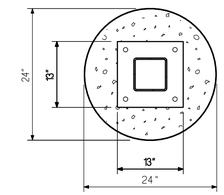
SCALE:1"=30'	LD-107154
DATE:7-11-11	
BY:MVE	SHEET 1 OF 1



SIDE VIEW

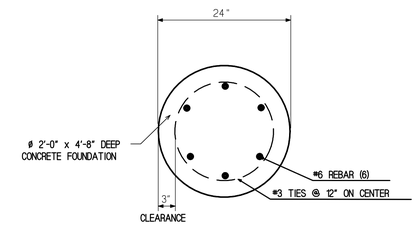


FRONT VIEW



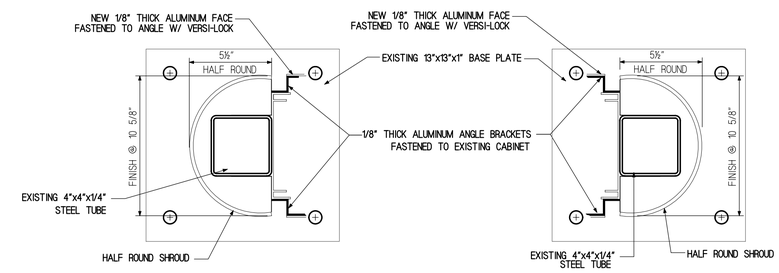
SONATUBE DETAIL

NOT TO SCALE



FOUNDATION SECTION DETAIL

NOT TO SCALE



COLUMN SHROUD DETAIL

NOT TO SCALE

REVISIONS		
DATE	REV. BY.	DESCRIPTION

V# NEW

Store # NEW

US ROUTE 44 @ CT ROUTE 195

MANSFIELD (STORRS), CONNECTICUT

Cumberland FARMS

CUMBERLAND FARMS, INC.
100 Crossing Boulevard
Framingham, Massachusetts 01702

SCALE:	1/2" = 1'-0"
DATE:	07-08-11
FILE:	SIGN.p/MANFIELD.db
DRAWN BY:	JDM
CHECKED BY:	

PROPOSED SIGN PLAN

1 OF 1