

GENERAL NOTES:

1. TOPOGRAPHIC DATA FOR THE DESIGN DRAWINGS AND BOUNDARY INFORMATION IS BASED ON GROUND SURVEY PERFORMED BY SITELINES, P.A.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR THE ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES AND IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE (1-888-DIG-SAFE) AT LEAST 3 BUSINESS DAYS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IN AREAS OF POTENTIAL CONFLICTS TEST PITS SHALL BE REQUIRED TO VERIFY EXISTING UTILITY LOCATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. RIM ELEVATIONS OF PROPOSED DRAINAGE AND SANITARY SEWER MANHOLES AND ASSOCIATED STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, AND OTHER UTILITIES TO FINISH GRADE WITHIN LIMITS OF WORK.
4. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE RESPECTIVE UTILITY COMPANY (TELEPHONE, ELECTRIC AND FIRE ALARM). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH OWNER AND ARCHITECT.
5. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE, INVERTS AND TYPES OF EXISTING PIPES AT ALL PROPOSED POINTS OF CONNECTION PRIOR TO ORDERING MATERIALS. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATIONS, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT.
6. CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS AND GRADES TO HIS SATISFACTION BEFORE WORK BEGINS. CONTRACTOR SHALL CONFIRM LOCATION AND DEPTH ALL UTILITY LINE CONNECTIONS WITH TEST PITS PRIOR TO BEGINNING WORK. CONFLICTS SHALL BE REPORTED IN WRITING TO ENGINEER FOR RESOLUTION OF THE CONFLICT.
7. ALL AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. ALL AREAS DISTURBED DURING CONSTRUCTION NOT COVERED WITH BUILDINGS, STRUCTURES, OR PAVEMENT SHALL RECEIVE 6 INCHES OF LOAM AND SEED.
8. CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND SHALL BE RESPONSIBLE FOR PAYING ANY FEES FOR ANY POLE RELOCATION AND FOR THE ALTERATION OR ADJUSTMENT OF ELECTRIC, TELEPHONE, FIRE ALARM AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.
9. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS.
10. ALL PROPERTY MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE RESET TO THEIR ORIGINAL LOCATION BY A MAINE REGISTERED PROFESSIONAL LAND SURVEYOR (PLS) AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PREPARE AN AS-BUILT PLAN SURVEY SHOWING LOCATIONS OF ALL SURFACE FEATURES AND SUBSURFACE UTILITY SYSTEMS INCLUDING THE LOCATION TYPE, SIZE AND INVERTS.
11. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO EARTHWORK OPERATION AND MAINTAIN ALL EROSION CONTROL MEASURES AND SEEDED EMBANKMENTS DURING CONSTRUCTION. EROSION CONTROL SHALL BE REMOVED ONLY UPON THE ESTABLISHMENT OF ALL LANDSCAPED AREAS. ALL WORK SHALL BE IN COMPLIANCE WITH THE ENVIRONMENTAL QUALITY HANDBOOK FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION, AS ADOPTED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
12. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. ALL CONSTRUCTION ACTIVITY SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
13. THE CONTRACTOR IS REQUIRED TO CONTROL DUST DURING CONSTRUCTION. EXPOSED SOIL AREAS SHALL BE SPRAYED WITH WATER AS NEEDED TO CONTROL DUST EMISSIONS. COVER EXPOSED SOIL AREAS AS QUICKLY AS PRACTICAL TO PREVENT WINDS FROM GENERATING DUST.
14. ALL HANDICAP ACCESSIBLE PARKING SPACES, RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
15. ALL SITE SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

LAYOUT NOTES:

1. ALL DIMENSIONING, UNLESS NOTED OTHERWISE, IS TO THE FACE OF CURB OR BUILDING.
2. OFFSETS TO CATCH BASINS AND MANHOLES ARE TO THE CENTER OF THE FRAME.
3. PIPE LENGTH EQUALS THE CENTER TO CENTER DISTANCES BETWEEN CATCH BASINS AND/OR MANHOLES MINUS ONE HALF THE DIAMETER OF EACH CATCH BASIN OR MANHOLE.
4. BOUNDARY INFORMATION ON LAYOUT PLAN IS FOR REFERENCE ONLY, REFER TO CERTIFIED BOUNDARY PLANS FOR BOUNDARY INFORMATION.

GRADING AND DRAINAGE NOTES:

1. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPE SHALL BE IN ACCORDANCE WITH MDOT SPECIFICATIONS SECTION 603. PIPE CULVERTS AND STORM DRAINS, LATEST REVISION WITH THE EXCEPTION THAT THE ONLY ACCEPTABLE TYPES OF PIPE ARE AS FOLLOWS:

POLYVINYL CHLORIDE PIPE (PVC)
SMOOTH BORE POLYETHYLENE PIPE - HDPE N-12 ADS OR SDR 35

2. TOPSOIL STRIPPED IN AREAS OF CONSTRUCTION THAT IS SUITABLE FOR REUSE AS LOAM SHALL BE STOCKPILED ON SITE AT A LOCATION TO BE DESIGNATED BY OWNER. UNSUITABLE SOIL SHALL BE SEPARATED, REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION OFF SITE.

3. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.

PROPOSED STARBUCKS COFFEE COMPANY

MAP 84, LOT 6

5 SENATOR WAY, AUGUSTA, ME 04330

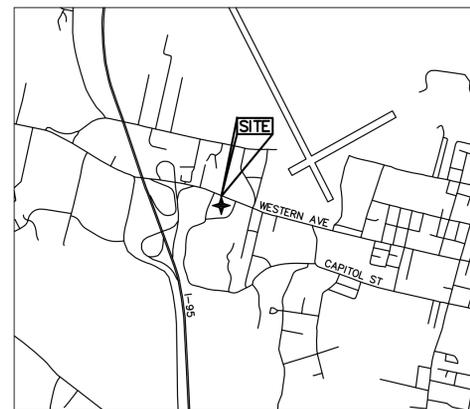
UTILITY CONTACTS:

ELECTRIC SERVICE:
CENTRAL MAINE POWER COMPANY
83 EDISON DRIVE
AUGUSTA, ME 04336
1-800-565-3181

CABLE SERVICE:
TIME WARNER CABLE OF MAINE
83 ANTHONY AVENUE
AUGUSTA, MAINE 04330
800-833-2253

WATER / WASTEWATER SERVICE:
GREATER AUGUSTA UTILITY DISTRICT
12 WILLIAMS STREET
AUGUSTA, ME 04330
207-622-3701

PUBLIC WORKS DEPARTMENT:
AUGUSTA PUBLIC WORKS
16 CONY STREET
AUGUSTA, ME 04330
207-626-2435



LOCATION MAP
NOT TO SCALE

DESIGN CONSULTANTS:

CIVIL ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECT:
SITELINES, P.A.
CURTIS Y. NEUFELD, P.E.
8 CUMBERLAND STREET
BRUNSWICK, MAINE 04011
207-725-1200

ARCHITECT:
JAMES HERRICK AIA
JAMES HERRICK ARCHITECT
47 MAIN STREET
TOPSHAM, MAINE 04086
207-729-4177

TRAFFIC:
MAINE TRAFFIC RESOURCES
DIANE MORABITO, PE, PTOE
25 VINE STREET
GARDINER, MAINE 04345
207-582-5252

CITY OF AUGUSTA CONTACTS:

AUGUSTA PLANNING BOARD
16 CONY STREET
AUGUSTA, ME 04330
207-626-2365

AUGUSTA CODE ENFORCEMENT:
16 CONY STREET
AUGUSTA, ME 04330
207-626-2365

AUGUSTA CITY ENGINEER:
16 CONY STREET
AUGUSTA, ME 04330
207-626-2365

AUGUSTA FIRE / RESCUE DEPARTMENT:
1 HARTFORD SQUARE
AUGUSTA, MAINE 04330
207-626-2421

AUGUSTA POLICE DEPARTMENT:
33 UNION STREET
AUGUSTA, MAINE 04330
207-626-2370

LEGEND:

EXISTING	IRON PIPE OR MONUMENT	PROPOSED
● OR ■	IRON PIPE OR MONUMENT	○ OR □
△	BENCH MARK (SEE NOTES)	
□	TRAVERSE STATION	
○	CATCH BASIN	
○	SEWER MANHOLE	
○	FIRE HYDRANT	
○	WATER GATE VALVE	
○	WATER SHUT-OFF	
○	BLOW-OFF/CLEAN-OUT	
○	UTILITY POLE	
○	POLE W/SINGLE LIGHT	
○	POLE W/DOUBLE LIGHT	
○	WALL MOUNT LIGHT	
○	SIGN W/DELINEATION NUMBER	
○	HANDICAP SYMBOL	
○	PAVEMENT PAINT MARKINGS	
---	PROPERTY LINE	---
---	EASEMENTS	---
---	SETBACK/BUFFER	---
---	SOILS BOUNDARY	---
---	WETLAND BOUNDARY	---
---	STREAM	---
---	CULVERT	---
---	CURB	---
---	EDGE OF PAVEMENT	---
---	ROAD CENTERLINE	---
---	BUILDING	---
---	STORM DRAIN(SEE PLAN FOR SIZE)	12"SD
---	SEWER LINE(SEE PLAN FOR SIZE)	6"S
---	SEWER FORCE MAIN(SEE PLAN FOR SIZE)	6"FM
---	WATER LINE(SEE PLAN FOR SIZE)	8"W
---	NATURAL GAS LINE(SEE PLAN FOR SIZE)	G
---	UTILITIES LINE(SEE PLAN FOR SIZE)	U
---	SPOT ELEVATION	100.00
---	SPOT: CURB TOP & BOTTOM	T=106.9 B=106.4 -1.5%
---	SLOPE ARROW	100
---	CONTOURS	100
---	CLEARING LIMIT	
---	TREE LINE	
---	STONE WALL	
---	SILT FENCE	SF SF
---	CHAIN LINK FENCE	
---	WOOD GUARD RAIL	
---	RIPRAP	
---	PROPOSED PAVEMENT	
---	CONCRETE	

SHEET INDEX

- C1 COVER SHEET
- C2 SITE LAYOUT PLAN
- C3 SITE UTILITY PLAN
- C4 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
- C5 CIVIL DETAILS
- C6 CIVIL DETAILS
- C7 EROSION CONTROL NOTES AND DETAILS
- L1 LANDSCAPE PLAN

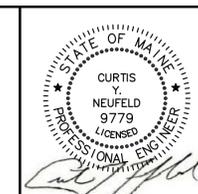
1. 11/07/14 SUBMITTED TO CITY OF AUGUSTA
SUBMITTED TO MDEP JUM

TITLE: **COVER SHEET**

PROJECT: **STARBUCKS COFFEE COMPANY
5 SENATOR WAY, AUGUSTA, ME 04330**

PREPARED FOR: **SWEETWATER PARTNERS, LLC
17 SOUTH STREET, UNIT 3, PORTLAND, ME 04101**

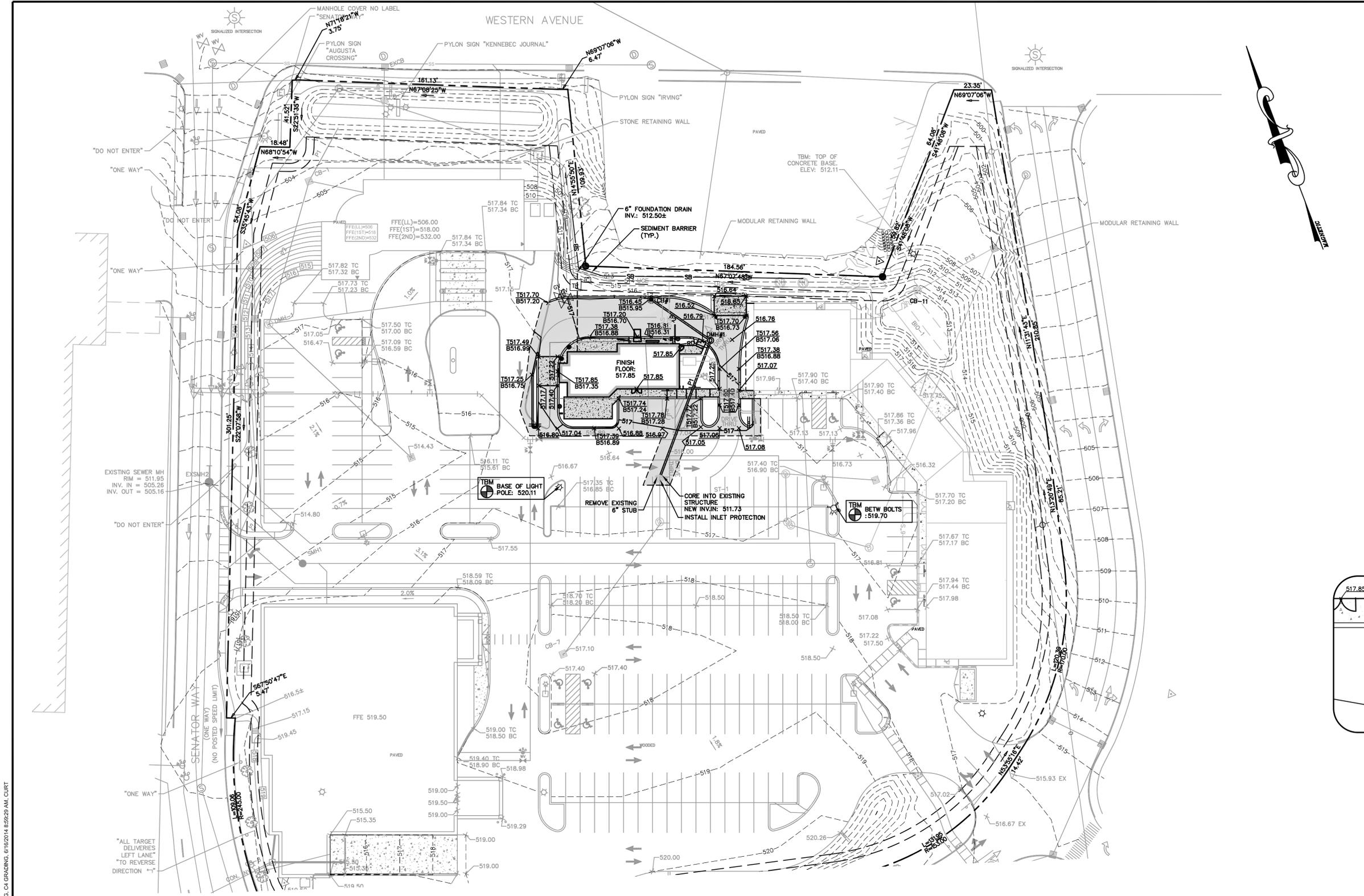
CALL DIG SAFE UTILITY LOCATION
1-888-344-7233
STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG. GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES



SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM/BVD SCALE: N/A
DRN BY: RPL JOB #: 1913.04
CHD BY: CYN SS:
DATE: 06-17-14 FILE: 1913.04-COVER-DETAILS

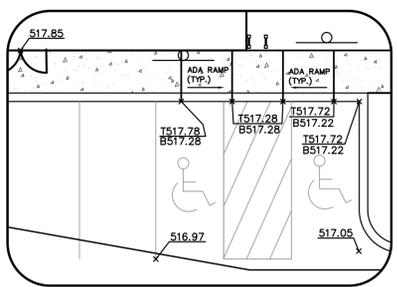
SHEET: **C1**



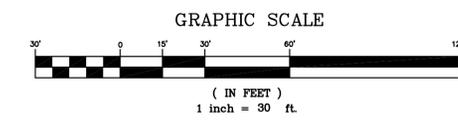
- GRADING AND DRAINAGE NOTES:**
1. THE CONTRACTOR SHALL PHASE GRADING EFFORTS SUCH THAT TOTAL SITE DISTURBANCE IS MINIMIZED. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO GRADING EFFORTS OR WITHOUT DELAY UPON THEIR COMPLETION, DEPENDENT UPON THE SITUATION.
 2. ALL FILL SLOPES SHALL BE A MINIMUM OF 3:1 HORIZONTAL TO VERTICAL UNLESS OTHERWISE NOTED OR DIRECTED.
 3. THE LIMITS OF DISTURBANCE SHALL GENERALLY BE THE MINIMAL EXTENT NECESSARY ONLY TO PERFORM THE GRADING EFFORTS SHOWN ON THE DRAWINGS. SPECIAL CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF OBJECTS AND AREAS NOT SPECIFICALLY IDENTIFIED FOR MODIFICATION OR REMOVAL.
 4. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDING IN ACCORDANCE WITH THE DRAWINGS, UNLESS INTENDED FOR OTHER SURFACE COVER.
 5. STORM DRAINS SHALL BE CONSTRUCTED CONCURRENTLY WITH GRADING EFFORTS TO PROVIDE ADEQUATE CONVEYANCE FOR ANY SITE RUNOFF CONDITIONS.
 6. WHERE FINAL GRADING HAS BEEN COMPLETED, SURFACE RESTORATION FOR DISTURBED AREAS WILL BE COMPLETED AS SOON AS PRACTICABLE. FOR VEGETATIVE AREAS, VEGETATION WILL BE PROGRESSIVELY ESTABLISHED.
 7. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPE SHALL BE IN ACCORDANCE WITH MDOT SPECIFICATIONS SECTION 603. PIPE CULVERTS AND STORM DRAINS, LATEST REVISION WITH ACCEPTABLE TYPES OF PIPE ARE AS FOLLOWS:
SMOOTH BORE POLYETHYLENE PIPE - HDPE N-12 ADS
POLYVINYL CHLORIDE PIPE - PVC

DRAINAGE STRUCTURE DATA:

CB#1	515.95
INV.OUT=	512.48
DMH#1	518.80
INV.IN=	512.27
INV.IN=	512.40 RD
INV.OUT=	512.17
PIPE DATA:	
P1=	12" HDPE L= 87' S= 0.0050
P2=	12" HDPE L= 41' S= 0.0050



RAMP DETAIL
1" = 10'



1. 11/07/14 SUBMITTED TO CITY OF AUGUSTA
SUBMITTED TO MDEP JUM

TITLE: GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROJECT: STARBUCKS COFFEE COMPANY
5 SENATOR WAY, AUGUSTA, ME 04330

PREPARED FOR: SWEETWATER PARTNERS, LLC
17 SOUTH STREET, UNIT 3, PORTLAND, ME 04101

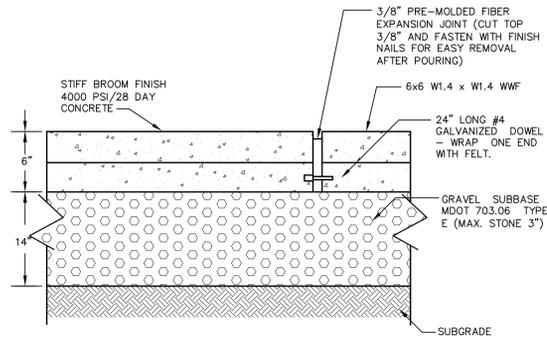
SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM/BVD	SCALE: 1" = 30'	C4
DRN BY: RPL	JOB #: 1913.04	
CH'D BY: CYN	MAP/PLOT:	
DATE: 06-17-14	FILE: 1913.04-SITE	

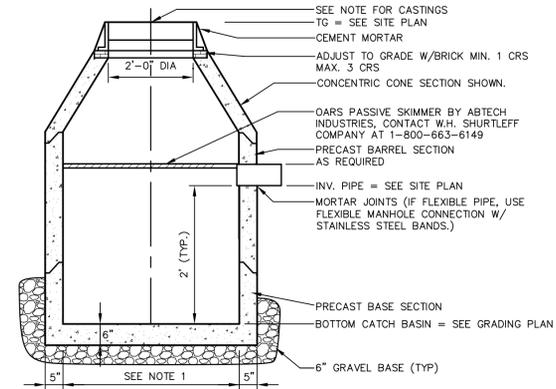
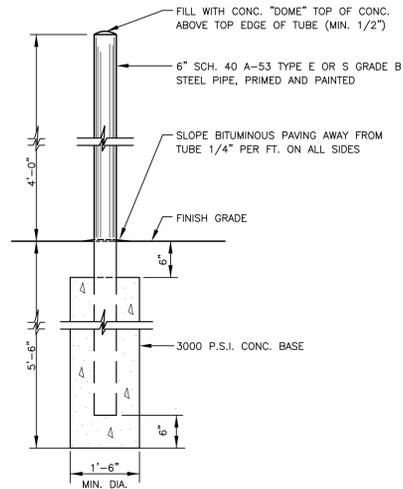
CALL DIG SAFE UTILITY LOCATION
1-888-344-7233

STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

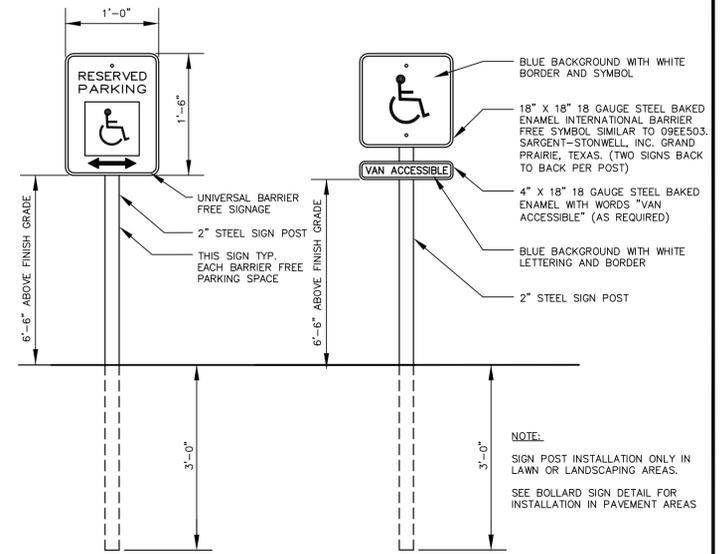
X:\LAND PROJECTS\1913.04-AUGUSTA STARBUCKS\DWG\1913.04-SITE.DWG - CA GRADING, 6/10/2014 8:59:29 AM, CURT



NOTES:
DO NOT PLACE CONCRETE DURING COLD OR RAINY WEATHER CONDITIONS (SEE SPECS.) -SEE PLAN DRAWINGS FOR EXPANSION JOINT LOCATIONS.



NOTES:
1. 4'-0" I.D. TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINGS.
2. DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING.
3. PIPE SIZES AND INVERTS AS NOTED ON PLANS.
4. CATCH BASIN FRAME AND GRATE TO BE LABARON FOUNDRY MODEL LF-244-S GRATE OR APPROVED EQUAL.
5. DRAINAGE MANHOLES TO HAVE SOLID ROUND FRAME AND COVER AND BE H20 LOADED WITH "DRAIN" LABELED ON COVER.

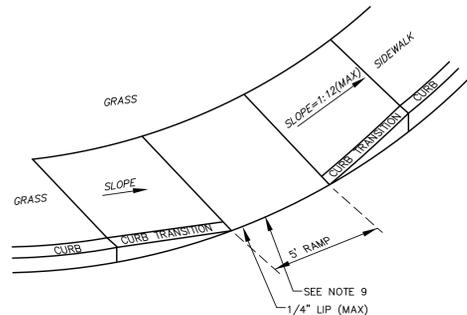


A CONCRETE PAD DETAIL
N.T.S.

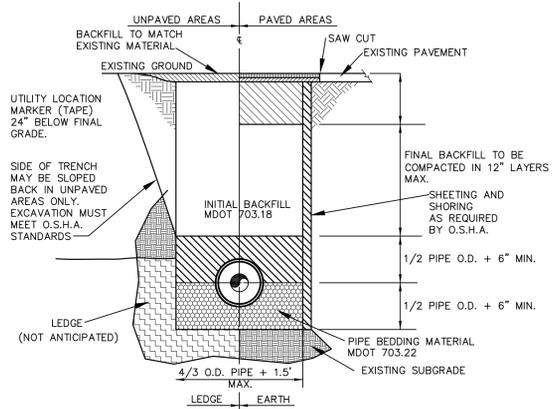
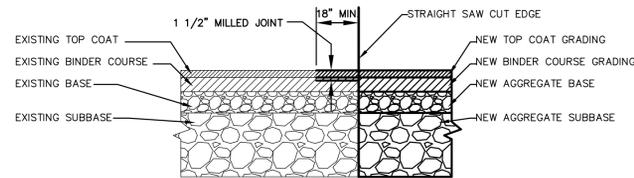
B TYPICAL BOLLARD DETAIL
N.T.S.

C CATCH BASIN OR DRAINAGE MANHOLE
N.T.S.

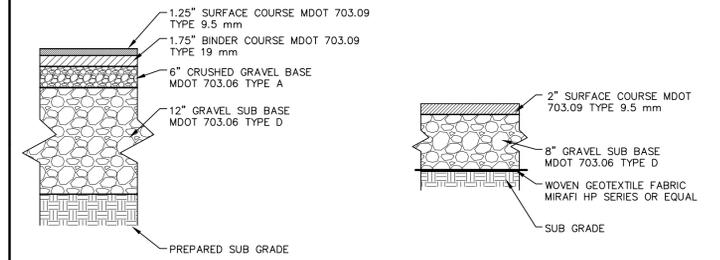
D BARRIER FREE PARKING SIGN DETAIL (IN GRASS)
N.T.S.



NOTES:
1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5% (1 1/2 MIN).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMP SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. BASE OF RAMP SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5'x5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE ALL CURBING AT RAMP (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAY.



NOTES:
1. INSTALL 3 FOOT LONG IMPERVIOUS DAMS IN BEDDING/INITIAL BACKFILL MATERIAL EVERY 100 FEET TO PREVENT TRENCH GROUNDWATER FROM BEING CHANNLED ALONG BEDDING/INITIAL BACKFILL
2. REFER TO LATEST MDOT SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.
3. INITIAL BACKFILL TO BE 12 INCHES OVER TOP OF PVC PIPE ONLY.



STANDARD PAVEMENT SECTION
N.T.S.

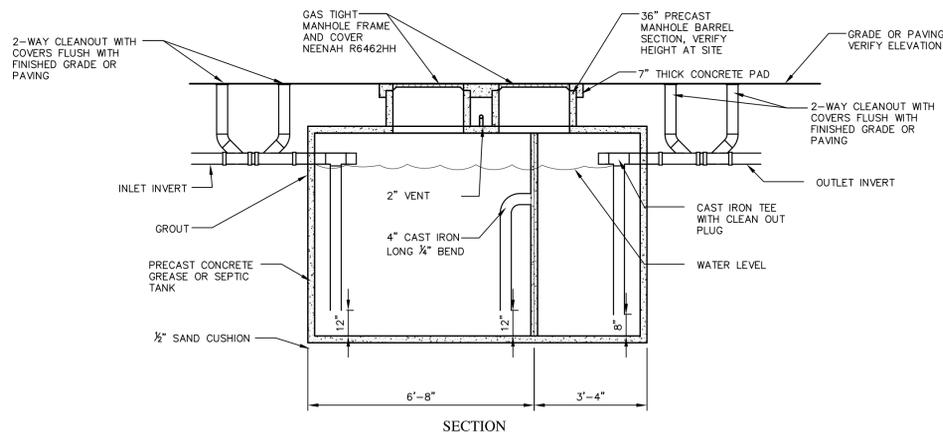
BITUMINOUS SIDEWALK SECTION
NOT TO SCALE

E TIP DOWN SIDEWALK RAMP
N.T.S.

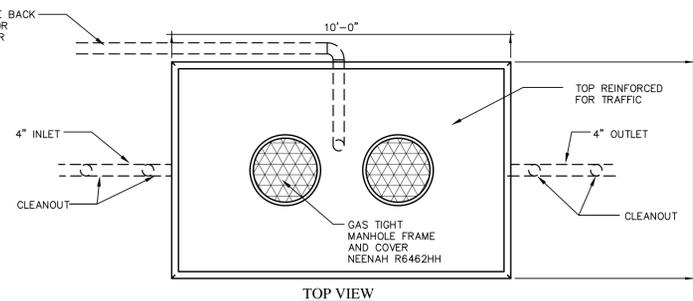
F PAVEMENT SAW CUT SECTION "FULL DEPTH RECONSTRUCTION"
N.T.S.

G TYPICAL PIPE TRENCH DETAIL
N.T.S.

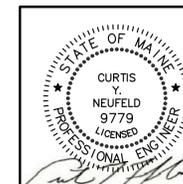
H TYPICAL PAVEMENT SECTIONS
N.T.S.



COORDINATE INVERTS WITH PLUMBING PLANS



I GREASE TRAP
N.T.S.



1. 11/07/14 SUBMITTED TO CITY OF AUGUSTA
SUBMITTED TO MDEP JUM

TITLE: CIVIL DETAILS

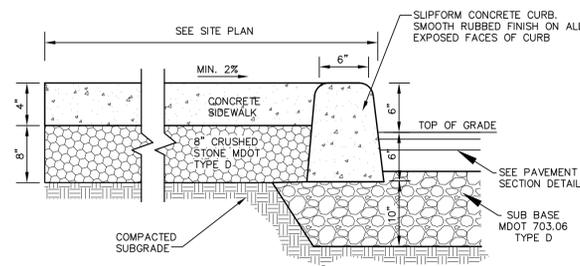
PROJECT: STARBUCKS COFFEE COMPANY
5 SENATOR WAY, AUGUSTA, ME 04330

PREPARED FOR: SWEETWATER PARTNERS, LLC
17 SOUTH STREET, UNIT 3, PORTLAND, ME 04101

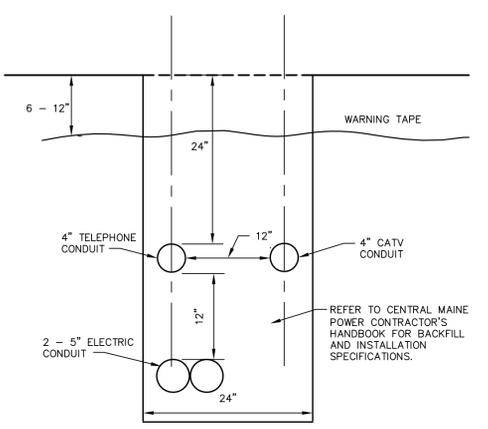
SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM/BVD	SCALE: AS NOTED	SHEET:
DRN BY: RPL	JOB #: 1913.04	C5
CHD BY: CYN	SS:	
DATE: 06-17-14	FILE: 1913.04-COVER-DETAILS	

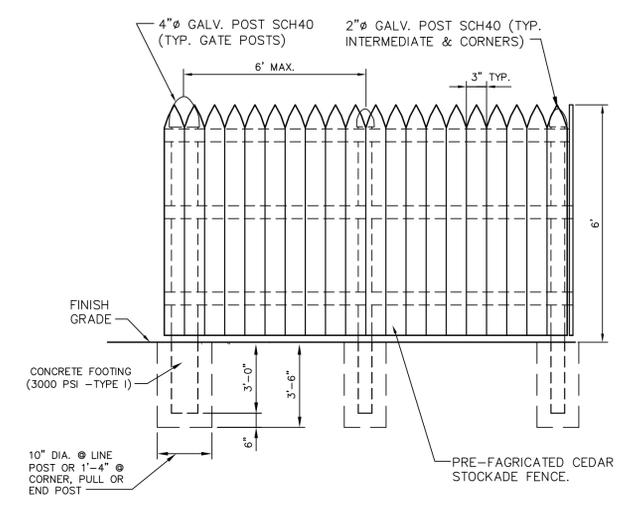
X:\LAND PROJECTS\1913.04-AUGUSTA STARBUCKS\DWG\1913.04-COVER-DETAILS.DWG, 05 CIVIL DETAILS, 06/16/2014 3:12:24 PM, CURT



- NOTES:
1. CONCRETE SHALL BE CAST-IN-PLACE 5000 PSI W/FIBER REINFORCEMENT.
 2. APPLY MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.
 3. PROVIDE 1-1/2\"/>



REFER TO CENTRAL MAINE POWER CONTRACTOR'S HANDBOOK FOR BACKFILL AND INSTALLATION SPECIFICATIONS.



NOTE:
GALVANIZED POSTS TO BE INSTALLED IN CONC. FILLED SONOTUBES TO A MINIMUM DEPTH OF 4'-6\"/>

A VERTICAL SLIPFORM CONCRETE CURB AND CONCRETE SIDEWALK
N.T.S.

B UTILITY TRENCH
N.T.S.

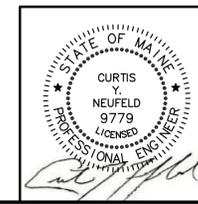
C STOCKADE FENCE DETAIL
N.T.S.

D

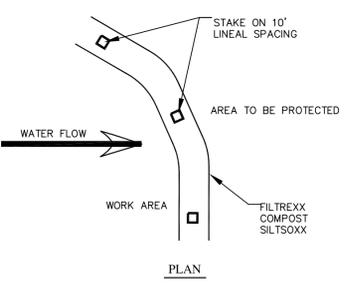
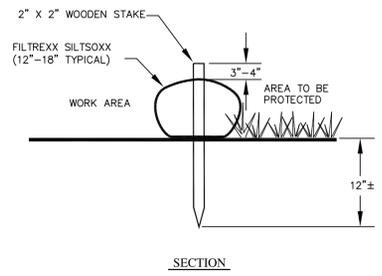
X:\LAND PROJECTS\1913.04-AUGUSTA STARBUCKS.DWG\1913.04-COVER-DETAILS.DWG, 08 CIVIL DETAILS, 01/16/2014, 3:12:24 PM, CURT

1. 11/07/14 SUBMITTED TO CITY OF AUGUSTA
SUBMITTED TO MDEP JUM

TITLE:	CIVIL DETAILS	
PROJECT:	STARBUCKS COFFEE COMPANY 5 SENATOR WAY, AUGUSTA, ME 04330	
PREPARED FOR:	SWEETWATER PARTNERS, LLC 17 SOUTH STREET, UNIT 3, PORTLAND, ME 04101	

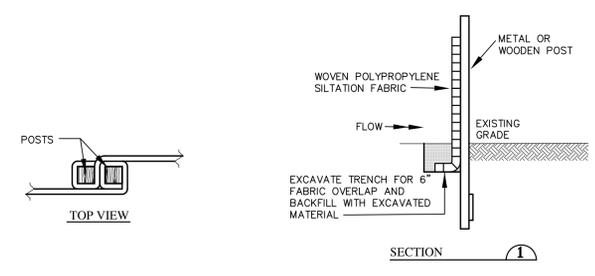
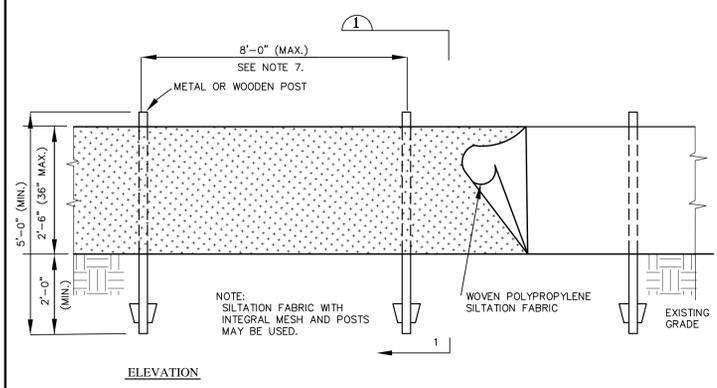


<p>SITELINES, PA ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS 8 CUMBERLAND STREET, BRUNSWICK, ME 04011 207.725.1200 www.sitelinespa.com</p>		FIELD WK: BWM/BVD	SCALE: AS NOTED	SHEET: C6
		DRN BY: RPL	JOB #: 1913.04	
DATE: 06-17-14		CHD BY: CYN	SS:	
		FILE: 1913.04-COVER-DETAILS		



- NOTES:**
1. ALL MATERIALS TO MEET FILTREXX SPECIFICATIONS
 2. SILTSOXX COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS
 3. SILTSOXX DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
 4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

A FILTREXX SILTSOXX DETAIL "SEDIMENT BARRIER OPTION"
N.T.S.



- INSTALLATION:**
1. EXCAVATE A 6" X 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
 3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
 4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACK FILL THE TRENCH AND TAMP THE SOIL.
 5. JOIN SECTION AS SHOWN IN TOP VIEW.
 6. BARRIER SHALL BE MIRAFI SILT FENCE (100X) OR APPROVED EQUIVALENT.
 7. A STONE "FILLE" MAY BE USED FOR ANCHORING FABRIC IF IT CANNOT BE KEYED IN.

B SILT FENCE DETAIL "SEDIMENT BARRIER OPTION"
N.T.S.

- EROSION AND SEDIMENTATION NOTES:**
1. CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES OF THE CUMBERLAND COUNTY SOIL CONSERVATION SERVICE AND THE MAINE DEP BEST MANAGEMENT PRACTICES HANDBOOK.
- GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES:**
- EROSION/SEDIMENTATION CONTROL DEVICES:**
- THE FOLLOWING EROSION SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT. INSTALL THESE DEVICES AS INDICATED ON THE PLANS.
1. SEDIMENT BARRIER: SILT SOXX OR APPROVED EQUAL WILL BE INSTALLED ALONG THE DOWN GRADING EDGES OF DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL THE SITE IS STABILIZED. IN AREAS WHERE STORMWATER DISCHARGES THE SEDIMENT BARRIER WILL BE REINFORCED WITH HAY BALES TO HELP MAINTAIN THE INTEGRITY OF THE SEDIMENT BARRIER AND TO PROVIDE ADDITIONAL TREATMENT.
 2. HAY BALES: HAY BALES TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENTS AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE HAY BALES IN FLOWING WATER OR STREAMS.
 3. RIPRAP: PROVIDE RIPRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.
 4. LOAM, SEED, & MULCH: ALL DISTURBED AREAS, WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERMANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS WILL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED AT THE END OF THIS SPECIFICATION.
 5. STRAW AND HAY MULCH: USED TO COVER DENUDED AREAS UNTIL PERMANENT SEED OR EROSION CONTROL MEASURES ARE IN PLACE. MULCH BY ITSELF CAN BE USED ON SLOPES LESS THAN 15% IN SUMMER AND 8% IN WINTER. JUTE MESH IS TO BE USED OVER MULCH ONLY.
 6. IN LIEU OF MULCH, USE EROSION CONTROL BLANKET (EQUAL TO NORTH AMERICAN GREEN SC150) TO STABILIZE AREAS OF CONCENTRATED FLOW AND DRAINAGE WAYS.

- TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES:**
- PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE DEVELOPMENT:
1. SEDIMENT BARRIER ALONG THE DOWNGRADE SIDE OF THE PARKING AREAS AND OF ALL FILL SECTIONS. THE SEDIMENT BARRIER WILL REMAIN IN PLACE UNTIL THE SITE IS 85% REVEGETATED.
 2. HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SEDIMENT BARRIER.
 3. PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS:
 - A. SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2:1.
 - B. AVOID PLACING TEMPORARY STOCKPILES IN AREAS WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES.
 - C. STABILIZE STOCKPILES WITHIN 15 DAYS BY TEMPORARILY SEEDING WITH A HYDROSEED METHOD CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.
 - D. SURROUND STOCKPILE SOIL WITH SEDIMENT BARRIER AT BASE OF PILE.
 4. ALL DENUDED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD, OR PARKING AND DRIVEWAY SUBBASE AREA SHALL RECEIVE MULCH WITHIN 30 DAYS OF INITIAL DISTURBANCE OF SOIL OR WITHIN 15 DAYS AFTER COMPLETING THE ROUGH GRADING OPERATIONS. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PERIODS PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.
 5. IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DENUDED AREAS ARE TO BE COVERED WITH HAY MULCH, APPLIED AT TWICE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING. THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.
 6. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

- PERMANENT EROSION CONTROL MEASURES:**
- THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION/SEDIMENTATION CONTROL PLAN:
1. ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC.), WILL BE LOAMED, LIMED, FERTILIZED AND SEEDED. NATIVE TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.
 2. SLOPES GREATER THAN 2:1 WILL RECEIVE RIPRAP, UNLESS OTHERWISE SPECIFIED.

POST-CONSTRUCTION REVEGETATION:

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING.

1. A MINIMUM OF 6" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE, OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.
2. IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE DONE AS SPECIFIED BELOW. PRIOR TO SEEDING, LIMESTONE SHALL BE APPLIED AT A RATE OF 138 LBS/1000 SQ. FT. AND 10-20-20 FERTILIZER AT A RATE OF 18.4 LBS/1000 SQ.FT WILL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:

LAWNS SHALL BE: ALLEN, STERLING & LATHROP "TUFTURF", 70% DIAMOND TALL FESCUE, 20% PLEASURE OLLUS PERENNIAL RYEGRASS, 10% BARON KENTUCKY BLUEGRASS. SEEDING RATE SHALL BE 7-LBS./1,000 SQ. FT.

SWALES SHALL BE: WILDFLOWER MEADOW: (SEED) FESTUCA OVINA SHEEP FESCUE; SOW AT A RATE OF 12 OZ. PER 1,000 SOFT. TRIFOLIUM REPENS WHITE CLOVER; SOW AT A RATE OF 1/2 OZ. PER 1,000 SOFT. (FLOWERS) ACHILLEA MILLEFOLIUM YARROW, AQUILEGIA CANADENSIS COLUMBINE, ASCLEPIAS TUBEROSA BUTTERFLY MILKWEED, ASTER NOVAE-ANGLIAE NEW-ENGLAND ASTER, BAPTISIA AUSTRALIS WILD INDIGO, BOLTONIA ASTEROIDS FALSE ASTER, CHRYSANTHEMUM LEUCANTHEMUM OXEYE DAISY, DIGITALIS PURPUREA FOXGLOVE, ECHINACEA PURPUREA PURPLE CONEFLOWER, LUPINUS PERENNIS LUPINE, MONARDA FISTULOSA BERGAMOT, PAPAVER ORIENTALE ORIENTAL POPPY, RUDBECKIA HIRTA BLACK-EYED SUSAN, SALVIA OFFICINALIS SAGE; SOW AT A RATE OF 1/3 OZ. EACH PER 1,000 SQFT. OR 4 OZ. PER 1,000 SQFT. IN COMBINATION
3. AN AREA SHALL BE MULCHED IMMEDIATELY AFTER IS HAS BEEN SEEDDED. MULCHING SHALL CONSIST OF HAY MULCH, HYDRO-MULCH, JUTE NET OVER MULCH, PRE-MANUFACTURED EROSION MATS OR ANY SUITABLE SUBSTITUTE DEEMED ACCEPTABLE BY THE DESIGNER.
 - A. HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. HAY MULCH SHALL BE SECURED BY EITHER: (NOTE: SOIL SHALL NOT BE VISIBLE)
 - I. BEING DRIVEN OVER BY TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
 - II. BLANKETED BY TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING, OR WITH SPRAY, ON GRADES GREATER THAN 5%.
 - III. SEE NOTE 6, GENERAL NOTES, AND NOTE 8, WINTER CONSTRUCTION.
 - B. HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF EITHER ASPHALT, WOOD FIBER OR PAPER FIBER AND WATER SPRAYED OVER A SEEDDED AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 9/15 AND 4/15.
4. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15. SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15 THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER CONSTRUCTION.
 - A. ONLY UNFROZEN LOAM SHALL BE USED.
 - B. LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
 - C. WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 SQ.FT) SHALL BE ADDED TO THE PREVIOUSLY NOTED AREAS.
 - D. WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1000 SQ. FT.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
 - E. FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY.
 - F. ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE WILL NOT SUFFICE.
5. FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 90% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

- MONITORING SCHEDULE:**
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:
1. HAY BALE BARRIERS, SEDIMENT BARRIER, AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING. SHOULD THE HAY BALE BARRIERS PROVE TO BE INEFFECTIVE, THE CONTRACTOR SHALL INSTALL SEDIMENT BARRIER BEHIND THE HAY BALES.
 2. VISUALLY INSPECT RIPRAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED. REMOVE SEDIMENT TRAPPED BEHIND THESE DEVICES ONCE IT ATTAINS A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.

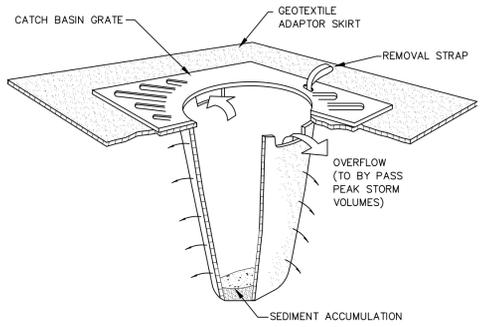
- CONSTRUCTION PHASE:**
- THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.
1. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 15 DAYS, SEE ITEM NO. 4.
 2. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SEDIMENT BARRIER AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOWING CONSTRUCTION OF CULVERTS AND SWALES, RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.
 3. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THEN 100' OF A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SEDIMENT BARRIER BELOW THEM REGARDLESS OF TIME OF PRESENCE. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:
 - A. TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
 - B. SEEDED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
 - C. INSTALL SEDIMENT BARRIER AROUND STOCKPILE AT BASE OF PILE. STOCKPILES TO HAVE SEDIMENT BARRIER INSTALLED AT TIME OF ESTABLISHMENT AT BASE OF PILE.
 4. ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 30 DAYS SHALL BE EITHER:
 - A. TREATED WITH ANCHORED MULCH IMMEDIATELY, OR
 - B. SEEDED WITH CONSERVATION MIX OF ANNUAL RYE GRASS (0.9 LBS/1000 SQ. FT) AND MULCHED IMMEDIATELY.
 5. ALL GRADING WILL BE HELD TO A MAXIMUM 2:1 SLOPE WHERE PRACTICAL. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING, OR WITH STONE, WITHIN 5 DAYS AFTER FINAL GRADING IS COMPLETE. (SEE POST-CONSTRUCTION REVEGETATION FOR SEEDING SPECIFICATION.)
 6. ALL CULVERTS WILL BE PROTECTED WITH STONE RIPRAP (D50 = 6" UNLESS OTHERWISE SPECIFIED) AT INLETS AND OUTLETS.

- EROSION CONTROL DURING WINTER CONSTRUCTION:**
1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
 2. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
 3. EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. AT THE END OF EACH WORK WEEK NO AREAS MAY BE LEFT UNSTABILIZED OVER THE WEEKEND.
 4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
 5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1000 S.F. (WITH OR WITHOUT SEEDING) OR DORMANT SEED, MULCHED AND ANCHORED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SODDED, COVERED WITH GRAVEL (PARKING LOTS) OR STRUCTURAL SAND.
 6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1 AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SEDIMENT BARRIER OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DORMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.
 7. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS, SLOPES GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%. VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.
 8. BETWEEN THE DATES OF OCTOBER 15 TO NOVEMBER 1, WINTER RYE IS RECOMMENDED FOR STABILIZATION. AFTER NOVEMBER 1, WINTER RYE IS NOT EFFECTIVE. AROUND NOVEMBER 15 OR LATER, ONCE TEMPERATURES OF THE AIR AND SOIL PERMIT, DORMANT SEEDING IS EFFECTIVE.
 9. IN THE EVENT OF SNOWFALL (FRESH OR CUMULATIVE) GREATER THAN 1 INCH DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM THE AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

- SITE INSPECTION AND MAINTENANCE:**
1. WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAIN FALLS, SHALL BE CONDUCTED BY THE GENERAL CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT (85% GRASS CATCH). NECESSARY REPAIRS SHALL BE MADE TO CORRECT UNDERMINING OR DETERIORATION. FINAL ACCEPTANCE SHALL INCLUDE A SITE INSPECTION TO VERIFY THE STABILITY OF ALL DISTURBED AREAS AND SLOPES. UNTIL FINAL INSPECTION, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL IMMEDIATELY BE CLEANED, AND REPAIRED BY THE GENERAL CONTRACTOR AS REQUIRED. DISPOSAL OF ALL TEMPORARY EROSION AND CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

IT IS RECOMMENDED THAT THE OWNER HIRE THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE COMPLIANCE INSPECTIONS (DURING ACTIVE CONSTRUCTION) RELATIVE TO IMPLEMENTATION OF THE STORMWATER AND EROSION CONTROL PLANS. SUCH INSPECTIONS SHOULD BE LIMITED TO ONCE A WEEK OR AS NECESSARY AND BE REPORTABLE TO THE OWNER AND CITY.

2. SHORT-TERM SEDIMENTATION MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT ALL SWALES AND STRUCTURES PRIOR TO TURNING PROJECT OVER.
3. LONG-TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL DEVICES AFTER ACCEPTANCE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER.



- NOTES:**
1. CATCH BASIN PROTECTION TO BE "SILTSTACK" (BY ACF ENVIRONMENTAL) OR "STREAM GUARD" (BY FOSS ENVIRONMENTAL SERVICES).
 2. INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 FULL OF SEDIMENT.
 3. INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN AS REQUIRED.

C TEMPORARY INLET PROTECTION
N.T.S.

D

1. 11/07/14 SUBMITTED TO CITY OF AUGUSTA
SUBMITTED TO MDEP JUM

EROSION CONTROL NOTES AND DETAILS

PROJECT: STARBUCKS COFFEE COMPANY
5 SENATOR WAY, AUGUSTA, ME 04330

PREPARED FOR: SWEETWATER PARTNERS, LLC
17 SOUTH STREET, UNIT 3, PORTLAND, ME 04101

SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

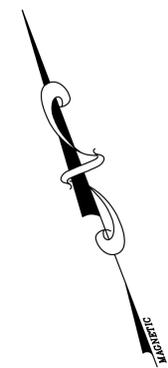
FIELD WK:	SCALE: AS NOTED	SHEET:
DRN BY: RPL	JOB #: 1913.04	C7
CHD BY: CYN	SS:	
DATE: 06-17-14	FILE: 1913.04-COVER-DETAILS	

X:\LAND PROJECTS\1913.04-AUGUSTA STARBUCKS\DWG\1913.04-COVER-DETAILS.DWG, C7 EROSION, 01/16/2014 3:12:24 PM, CURT

WESTERN AVENUE

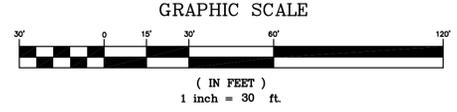
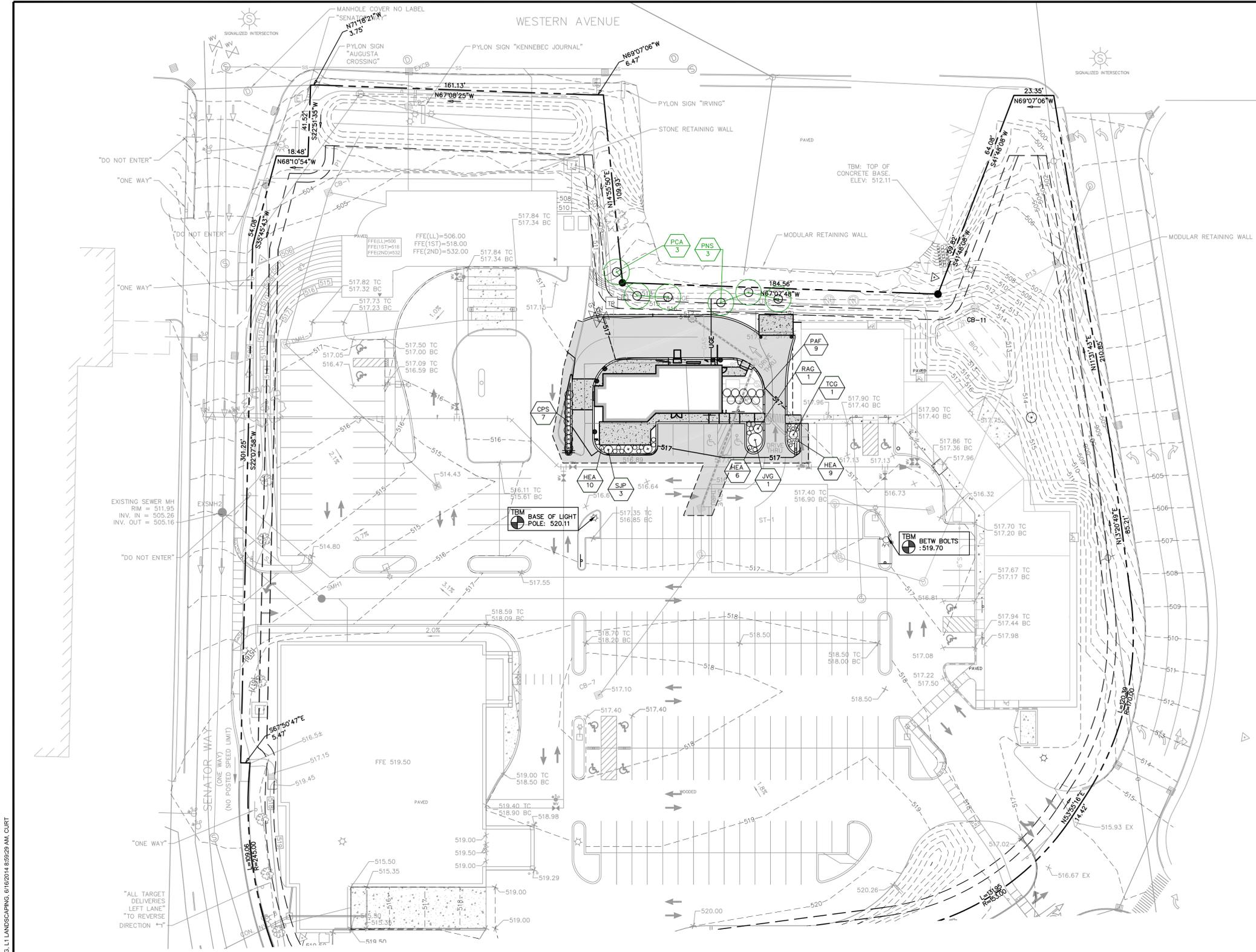
PLANTING NOTES

- Composted bark mulch shall be spread on all shrub beds and tree pits 3" deep but not touching the trunk. New shrub beds shall have loam spread to a depth of 12"
- Plant material shall conform in all ways to the minimum standards set forth in The American Standards for Nursery Stock, published by the American Association of Nurserymen, 230 Southern Building, Washington, D.C. The following sections shall apply: Section 1, Section 2, Section 3, Section 5, and Section 11.
- No fertilizer shall be applied to new plantings. Only Super-Phosphate may be used to promote rooting.
 - In the first spring subsequent to new plantings, fertilize new trees and shrubs. The fertilizer shall be 20-10-5 Agriform planting tablets in 21 gram size for trees and 10 gram size for shrubs. Place tablets in soil drills equal spaced at the plant branch drip line. Provide 20 grams of fertilizer for each 1/2 inch of caliper of tree trunk at the base and 20 grams of fertilizer for each 18 inches of shrub height or spread. Back fill the holes. Repeat the fertilizer application after 24 months.
 - In the spring, fertilize perennials and herbaceous plants. The fertilizer shall be Osmocote-Plus 15-9-12 (6 mos.). Apply at a rate of 1 Tbs. (15 grams) per 2 gallon size or 4 sqft. of plant bed. Incorporate well into the surface mulch.
 - For established lawn areas, fertilized three times per season. Spring fertilizer shall be Scotts Turf Builder with Crabgrass control 30-3-4. Midseason fertilizer shall be Scotts Turf Builder Plus 2 with broad leaf weed control 28-3-3. Fall fertilizer shall be Scotts Winterize Lawn Food 22-3-14. Apply fertilizers at a rate of 3 pounds per 1,000 sqft. or as required by soil testing. Only apply to turf area. Lawn areas may be limed in the fall with pelletized ground limestone at a rate of 50 pounds per 1,000 sqft. or at rate determined by soil testing.
- Any substitute for plant material species or size must be consulted with and approved by the Landscape Architect and the. The plant schedule shall have precedence over any conflicts with plant quantities on the plan. Notify the Landscape Architect of any conflict.
- All grading and construction must be complete before planting can be installed.
- The Landscape Architect shall approve plant spacing prior to planting. The Landscape Contractor shall notify the project Landscape Architect 7 days prior to layout and installation.
- Installation of plant material and lawns shall be in accordance with part 1, 2, 3 and 4 of the Maine Nurserymen's Association Landscape Contract Specifications, Dec. 1989. Evergreen trees 8' and taller must be staked.



Date: November 5, 2014
Client Name: Sweetwater Partners, LLC

ID NO.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
Trees:				
PCA	<i>Picea abies</i>	Norway Spruce	3	5/6'
PNS	<i>Pinus strobus</i>	White Pine	3	6/7'
Shrubs:				
CPS	<i>Comptonia peregrina</i>	Sweet Fern	7	#2
JVG	<i>Juniperus virginiana</i> 'Grey Owl'	Grey Owl Juniper	1	#5
RAG	<i>Rhus aromatica</i> 'Gro-Low'	Fragrant Sumac	1	#3
TCG	<i>Taxus cuspidata</i> 'Greenwave'	Greenwave Japanese Yew	1	1.5/2'
SJP	<i>Spiraea japonica</i> 'Crispa'	Japanese Spirea	3	#3
Perennials:				
HEA	<i>Hemerocallis</i> 'Assorted Colors'	Yellow, Gold, Red, Salmon, Orange Daylily	25	1 Gallon
PAF	<i>Panicum virgatum</i> 'Shenandoah'	Switch Grass	9	1 Gallon



1. 11/07/14 SUBMITTED TO CITY OF AUGUSTA
SUBMITTED TO MDEP JUM

TITLE: **LANDSCAPING PLAN**

PROJECT: **STARBUCKS COFFEE COMPANY**
5 SENATOR WAY, AUGUSTA, ME 04330

PREPARED FOR: **SWEETWATER PARTNERS, LLC**
17 SOUTH STREET, UNIT 3, PORTLAND, ME 04101

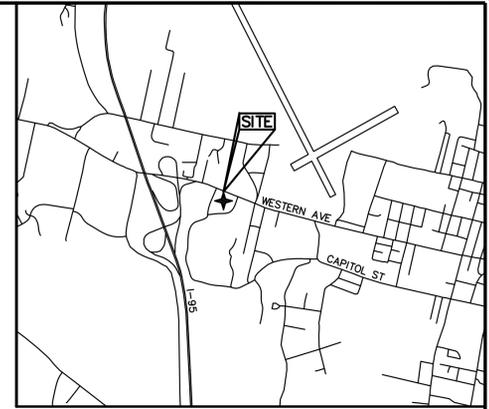
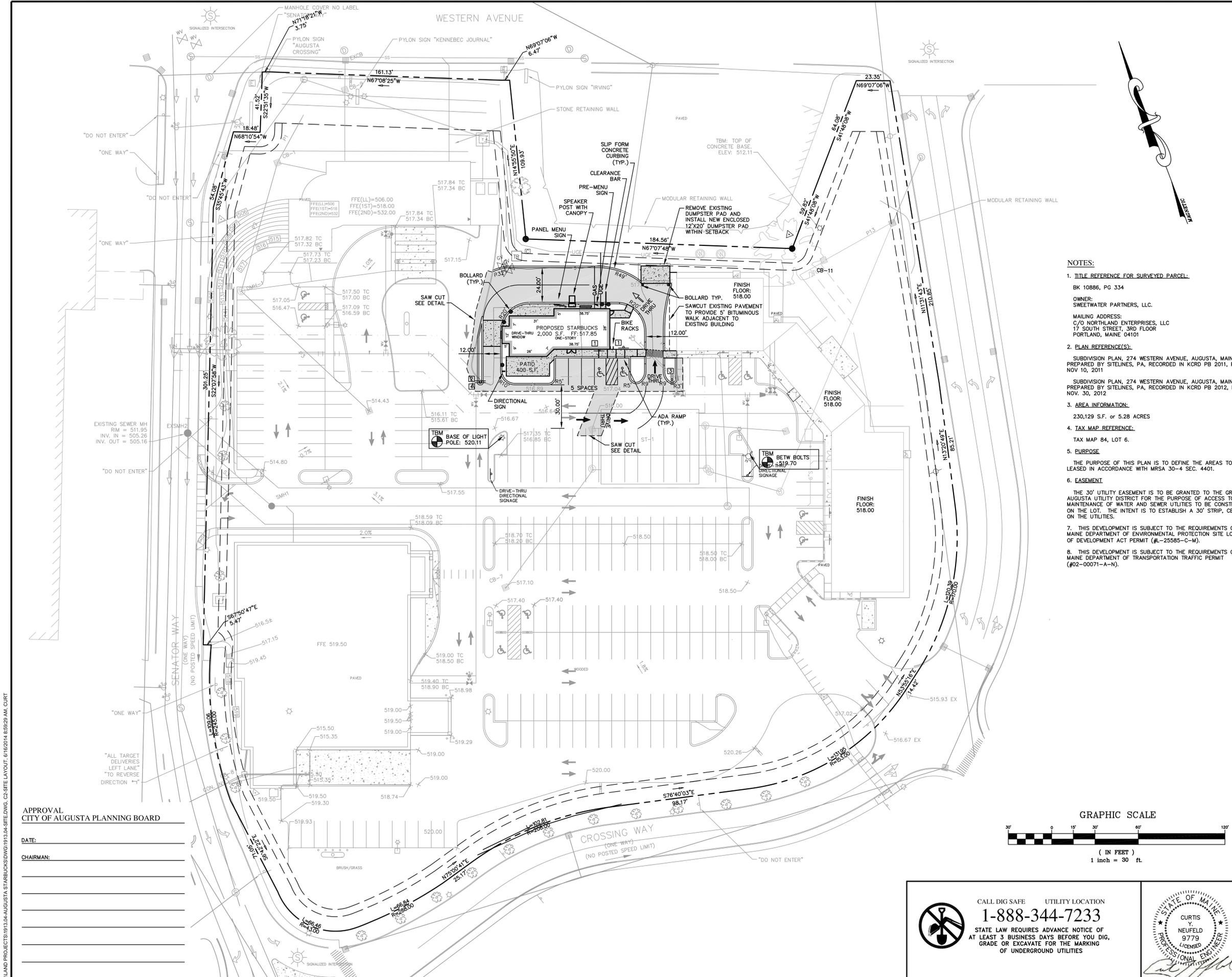
SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM/BVD	SCALE: 1" = 30'	SHEET:
DRN BY: RPL	JOB #: 1913.04	L1
CH'D BY: CYN	MAP/PLOT:	
DATE: 06-17-14	FILE: 191304-SITE	

CALL DIG SAFE UTILITY LOCATION
1-888-344-7233

STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

X:\LAND PROJECTS\191304-AUGUSTA STARBUCKS\DWG\191304-SITE.DWG, L1 LANDSCAPING, 01/16/2014 8:59:29 AM, CURT



LOCATION MAP
NOT TO SCALE

NOTES:

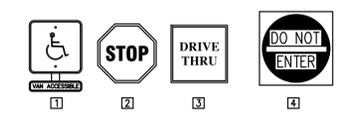
- TITLE REFERENCE FOR SURVEYED PARCEL:**
BK 10886, PG 334
- OWNER:**
SWEETWATER PARTNERS, LLC.
- MAILING ADDRESS:**
C/O NORTHLAND ENTERPRISES, LLC
17 SOUTH STREET, 3RD FLOOR
PORTLAND, MAINE 04101
- PLAN REFERENCE(S):**
SUBDIVISION PLAN, 274 WESTERN AVENUE, AUGUSTA, MAINE
PREPARED BY SITELINES, PA, RECORDED IN KCRD PB 2011, PG 111,
NOV 10, 2011
SUBDIVISION PLAN, 274 WESTERN AVENUE, AUGUSTA, MAINE
PREPARED BY SITELINES, PA, RECORDED IN KCRD PB 2012, PG 118,
NOV. 30, 2012
- AREA INFORMATION:**
230,129 S.F. or 5.28 ACRES
- TAX MAP REFERENCE:**
TAX MAP 84, LOT 6.
- PURPOSE:**
THE PURPOSE OF THIS PLAN IS TO DEFINE THE AREAS TO BE
LEASED IN ACCORDANCE WITH MRSA 30-4 SEC. 4401.
- EASEMENT:**
THE 30' UTILITY EASEMENT IS TO BE GRANTED TO THE GREATER
AUGUSTA UTILITY DISTRICT FOR THE PURPOSE OF ACCESS TO AND
MAINTENANCE OF WATER AND SEWER UTILITIES TO BE CONSTRUCTED
ON THE LOT. THE INTENT IS TO ESTABLISH A 30' STRIP, CENTERED
ON THE UTILITIES.
- ENVIRONMENTAL PROTECTION:**
THIS DEVELOPMENT IS SUBJECT TO THE REQUIREMENTS OF A
MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION SITE LOCATION
OF DEVELOPMENT ACT PERMIT (#L-25585-C-M).
- TRAFFIC PERMIT:**
THIS DEVELOPMENT IS SUBJECT TO THE REQUIREMENTS OF A
MAINE DEPARTMENT OF TRANSPORTATION TRAFFIC PERMIT
(#02-00071-A-N).

SITE REQUIREMENTS		
PROJECT ZONE: CC - CAPITAL COMMERCE DISTRICT, REGIONAL BUSINESS		
MINIMUM LOT AREA	REQUIRED	PROVIDED
FRONT SETBACK (WESTERN AVENUE)	35 FT	> 35 FT
SIDE AND REAR SETBACKS	10 FT MIN.	> 10 FT
IMPERVIOUS SURFACE RATIO	0.80	< 0.80
FLOOR AREA RATIO	0.40	< 0.40
MAXIMUM HEIGHT	42 FT	< 42 FT

PARKING REQUIREMENTS		
RESTAURANT:		
12 SPACES PER 1,000 SF		
2,200 SF * (12 SP/1,000 SF)	=	27
RETAIL SPACE:		
5 SPACES PER 1,000 SF		
26,810 SF * (5 SP / 1,000 SF)	=	134
BANK:		
3 SPACES PER 1,000 SF		
14,060 SF * (3 SP / 1,000 SF)	=	43
RESTAURANT, DRIVE THRU:		
14 SPACES PER 1,000 S.F.		
2,000 SF * (14 SP/1000)	=	28
TOTAL PARKING REQUIRED	=	232
ADA PARKING SPACES REQUIRED/PROVIDED	=	7/12
TOTAL PARKING SPACES PROVIDED	=	220

*PARKING REDUCED BY 57% (12 SPACES) IN ACCORDANCE WITH SECTION 5.11.4.2(E) PROVISIONS FOR SHARED PARKING.

SIGN LEGEND:

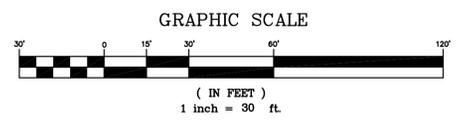


- 12-02-14 ADDED UTILITY EASEMENT CYN
- 11/07/14 SUBMITTED TO CITY OF AUGUSTA SUBMITTED TO MDEP JMM

TITLE: **SITE LAYOUT PLAN**

PROJECT: **STARBUCKS COFFEE COMPANY**
5 SENATOR WAY, AUGUSTA, ME 04330

PREPARED FOR: **SWEETWATER PARTNERS, LLC**
17 SOUTH STREET, UNIT 3, PORTLAND, ME 04101



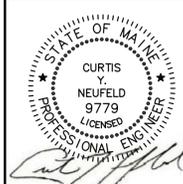
APPROVAL
CITY OF AUGUSTA PLANNING BOARD

DATE: _____

CHAIRMAN: _____

CALL DIG SAFE UTILITY LOCATION
1-888-344-7233

STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES



SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM/BVD SCALE: 1" = 30'
DRN BY: RPL JOB #: 1913.04
CH'D BY: CYN MAP/LOT:
DATE: 06-17-14 FILE: 191304-SITE

SHEET: **C2**

X:\LAND PROJECTS\191304-AUGUSTA STARBUCKS\DWG\191304-SITE.DWG - C2-SITE LAYOUT - 6/16/2014 8:58:29 AM - CJRT