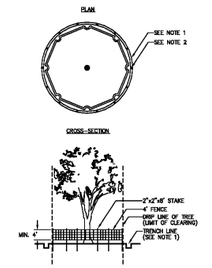
TREE PROTECTION

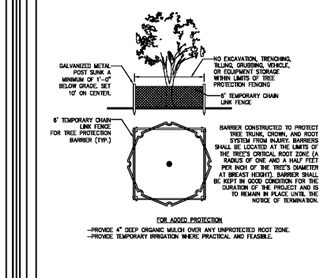
"SNOW" FENCE



NOTES:
1. USE TRENCHER (I.E. DITCH WITCH) TO CUT A 4"-5" W X 18" D TRENCH ALONG DRIP LINE (LIMIT OF CLEARING) AND BACKFILL WITH SAND AND LIGHTLY COMPACT.
2. SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 8 FEET ON CENTER—REBAR IS NOT TO BE USED FOR STAKES).
3. MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS.
4. DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED AREA.
5. FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

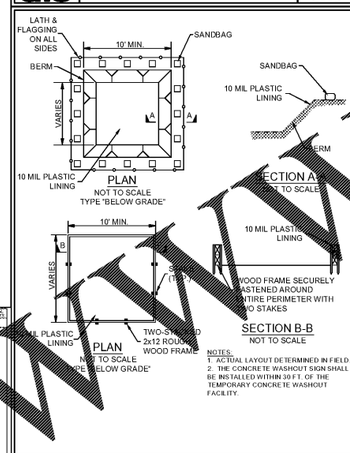
TREE PROTECTION

CHAIN LINK FENCE DETAIL



FOR ADDED PROTECTION
–PROVIDE 4" DEEP ORGANIC MULCH OVER ANY UNPROTECTED ROOT ZONE.
–PROVIDE TEMPORARY IRRIGATION WHERE PRACTICAL AND FEASIBLE.

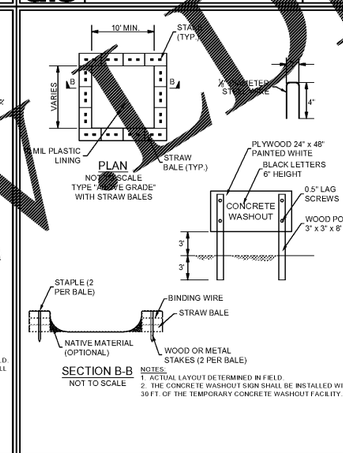
TREE PROTECTION (1 of 2) — Tr



NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT (1 OF 2)

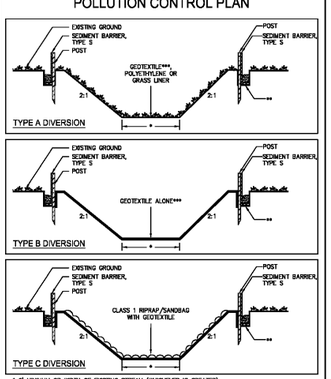
TREE PROTECTION (2 of 2) — Tr



NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT (2 OF 2)

TO BE SHOWN ON EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN



* 6" MINIMUM OR WIDTH OF EXISTING STREAM (WHICHEVER IS GREATER)
** SEDIMENT BARRIER AND FILTER CLOTH SHOULD BE ENTRENCHED IN THE SAME TRENCH.
***GEOTEXTILE SHALL BE SPECIFIED IN ACCORDANCE WITH AASHTO M288–96 SECTION 7.5

DIVERSION — Di

TYPICAL STRAW BALE CHECK DAM

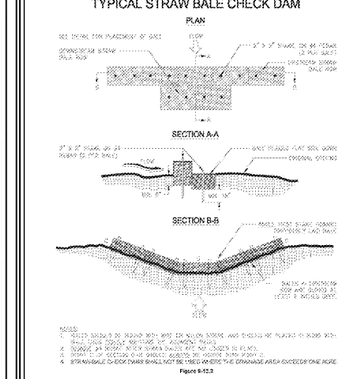


Figure 6-13.3

STRAW BALE CHECK DAM — Cd-Hb

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

COMMON DEVELOPMENT CONSTRUCTION PROJECTS (Primary and Tertiary Permittees)

SWCD:

Project Name:____ Creekside Retail Address:_____

City/County:_____ Date on Plans:_____

Name&email of person filling out checklist: _____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
10	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
2-5,	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
10	Y	3 Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. IEPD approves the request to delete 50 acres or more at any one time, the plan must include a breakout of the ESAPs listed in Appendix 1 of this checklist." (A copy of the written approval by EPD must be attached to the Plan for the Plan to be reviewed.)
ALL	Y	4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution
	Y	5 Provide the name, address and phone number of the primary permittee or tertiary permittee.
10	Y	6 Indicate total and disturbed acreage of the project or phase under construction.
COVER	Y	7 Provide the GPS location of the construction outlet for the site. Give the latitude and longitude in decimal degrees.
COVER	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested revisions
10	Y	9 Description of the nature of construction activity
COVER	Y	10 Provide vicinity map showing site's location in sufficient detail to include designation of nearest waters, if necessary
10	Y	11 Identify the project receiving waters, including all waters that receive runoff from the site, including streams, lakes, impounded areas, wetlands, and groundwaters.
COVER	Y	12 Design professional's certification statement that "I certify that the plan has been prepared prior to development of the site. The plan was dated this the 16 of the year 2018."
COVER	Y	13 Provide the owner's certification statement and acknowledgment that the permittee's ES&PC Plan provides for an adequate and comprehensive program of BMP selection and sampling to meet permit requirements as stated on page 17 & 18 of the GAR
10	Y	14 Clearly note the statement that the design professional who prepared the ES&PC Plan is to inspect the installation of the sediment storage requirements and perimeter control BMPs within 7 days after installation
10	Y	15 Clearly note the statement that "non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed buffer. Buffer is measured from the point of wrested vegetation or within 25-feet of the coastal non-related buffer. Buffer measures from the Jurisdictional Determination Line without disrupting the necessary variances and permits."
10	Y	16 Provide a description of any buffer encroachments and state whether a buffer variance is required.
10	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
10	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."
10	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
10	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
10	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A Project is being filed as a secondary permit	N/A	22 Indicate that the applicable portion of the primary permitees ES&PC Plan is to be provided to each secondary permittee prior to the secondary conducting any construction activity and that each secondary shall sign the Plan or portion of the Plan applicable to their site. List the names and addresses of all secondary tier w/ active primary permittees."
2-5,	Y	23 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of an Impaired Stream Segment, must comply with Part III, C, of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment."
10	Y	24 For TMDL Implementation Plan, for sediment has been finalized for the impaired stream Segment (identified in item 23 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan."
10	Y	25 BMPs for concrete washdown of mixers, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum of the construction site is prohibited.
10	Y	26 Provide BMPs for the remediation of oil pollution spills and leaks
10	Y	27 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed
10	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges
10	Y	29 Descriptions and clear dot timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e. initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
N/A	N/A	30 Provide complete requirements of inspections and record keeping by the primary permittee or tertiary permittee.
N/A	N/A	31 Provide complete requirements of sampling frequency and reporting of sampling results *
N/A	N/A	32 Provide complete details for retention of records as per Part IV.F. of the permit
N/A	N/A	33 Description of analytical methods to be used to collect and analyze the samples from each location *
N/A	N/A	34 Appendix B rationale for NTU values and outfall sampling points where applicable *
N/A	N/A	35 Delineate all sampling locations if applicable, perennial and intermittent streams and other water bodies into which storm water is discharged. *
10	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) Initial sediment storage requirements and perimeter control BMPs, (2) Intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may contains all the BMPs into a single phase.
N/A	N/A	37 Plan addresses BMPs for all phases of common development including individual building site and subparcels, eg: regardless of who owns or operates the individual sites. Include a typical and any situational lot applicable.
All	Y	38 Graphic scale and North arrow.
7-9,	Y	39 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following

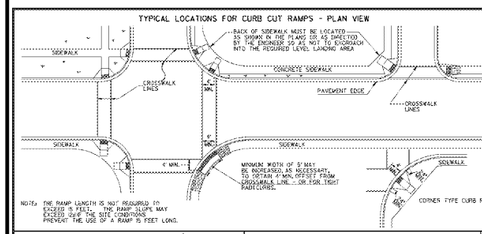
Map Scale	Ground Slope	Contour Interval, ft
1 inch = 1000 or larger scale	Flat 0 - 2%	2 ft or 1
	Rolling 2 - 6%	1 or 2
	Steep 6% +	2.5 or 10

N/A	N/A	40 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org
N/A	N/A	41 Use of alternative BMP in application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition
N/A	N/A	42 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact
N/A	N/A	43 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
7-9,	Y	44 Delineation and acreage of contributing drainage basins on the project site
???	Y	45 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
10	Y	46 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. *
N/A	N/A	47 Storm drain pipe and inlet velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
7-9,	Y	48 Soil series for the project site and their delineation
7-9,	Y	49 The limits of disturbance for each phase of construction.
10	Y	50 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or sub-divided mini sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, perforators are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining the decision must be included in the plan.
7-9,	Y	51 Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
11-16,	Y	52 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
11	Y	53 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plans should be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

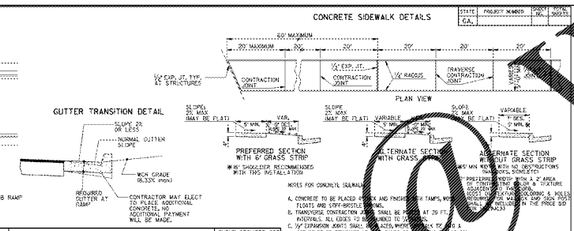
*This requirement of the Common Development permit is not applicable to Tertiary Permittees with a Plan(s) for a typical individual lot(s), if the total land disturbance within the construction site is less than five (5) acres and the total land disturbance within each individual lot is less than one (1) acre. If applicable, the * checklist item would be N/A.

Effective January 1, 2018

TYPICAL LOCATIONS FOR CURB CUT RAMPS - PLAN VIEW



CONCRETE SIDEWALK DETAILS



NOTES FOR CONCRETE SIDEWALKS

4. CONCRETE TO BE PLACED ADJACENT AND PARALLEL TO CURBS, WITH EXPANSION FILLERS AND LOW-ABRASION MATERIAL.
5. TRANSVERSE CONTRACTION JOINTS SHALL BE POSITIONED AT 20 FT. MAX.
6. 1/4" EXPANSION JOINTS SHALL BE PLACED AT RADIUS POINTS, WHERE RADIUS IS PART OF A STRUCTURE OR TRANSITIONS AT CURB RAMPS OR ADJACENT TO 45° AND 90° CROSSWALKS.

NOTES FOR CURB CUT RAMPS

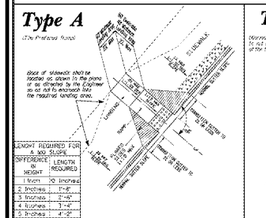
1. CURB CUT RAMPS TO BE CONSTRUCTED AS FOLLOWS UNLESS THE 1/4" OR 1/2" RADIUS OF CURVATURE.
2. AT ALL PEDESTRIAN CROSSWALKS, RAMPS MUST BE CONSTRUCTED OR REPLACED.
3. WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS UNINTERRUPTED BY THE CURB AT CORNERS OR AT INTERSECTIONS.
4. AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC., WHERE THE CURB WOULD UNNECESSARY BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.

RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A BROOM OR A TEXTURED FINISH.

5. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
6. WHERE RAMPS ARE LOCATED IN INSTALL THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE REQUIRED REGARDLESS OF THE RAMP AND NOT ALONG THE CURB.
7. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT OCCURS INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED TO MEET THE SITE CONDITIONS. THE RAMP SLOPE MUST BE WITHIN A MINIMUM OF 4% (DESIRABLE) AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
8. LINE OF CURB AND GUTTER MUST BE TRANSITIONED OVER THE RAMP IN FRONT OF THE RAMP. THE RAMP SHALL CONNECT TO SIDEWALK AND CONNECTION PAYMENT WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
9. WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT, THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 8 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
10. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC ROADS, PRIVATE ROADS, RED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN ADT OF 25 VPD.

Type A

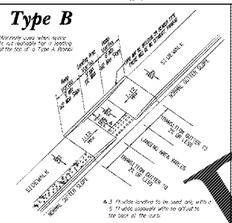
(The Preferred Ramp)



LENGTH REQUIRED FOR A NO SLOPE		
DIFFERENCE IN HEIGHT	LENGTH REQUIRED	
1 inch	10 inches	
2 inches	1'-4"	
3 inches	2'-0"	
4 inches	3'-0"	
5 inches	4'-0"	
6 inches	5 feet	

Type B

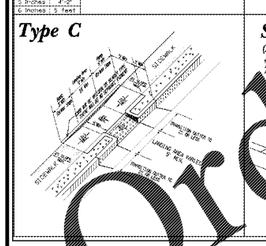
(Normally used when space is not available for a landing at the top of a Type A ramp)



A-3 Flat slope landing to be used only with a 5' flat sidewalk with no offset to the back of the curb.

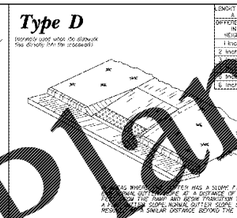
LENGHT REQUIRED FOR A NO SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 inch	10 inches
2 inches	1'-4"
3 inches	2'-0"
4 inches	3'-0"
5 inches	4'-0"
6 inches	5 feet

Type C



Type D

(normally used when the sidewalk has already been the crosswalk)

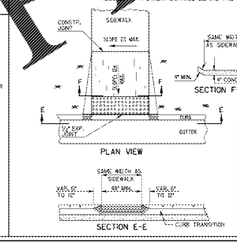


LENGHT REQUIRED FOR A NO SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 inch	10 inches
2 inches	1'-4"
3 inches	2'-0"
4 inches	3'-0"
5 inches	4'-0"
6 inches	5 feet

Skewed Ramp Details

(Applies to Type A & Type D Ramps Only)

WHERE THE RAMP CENTERLINE IS NOT PERPENDICULAR TO THE CURB A LEVEL LANDING AREA WITH SLOPES NO GREATER THAN 2% MUST BE PROVIDED AT THE BOTTOM OF THE RAMP.



RAMP RUNS MUST BE PERPENDICULAR TO RAMP CENTERLINE

This Detail Replaces Ga Standard 903IW

Guidelines For Usage On Metro Projects

When these details are incorporated into plans and a project that is being prepared or constructed in metro atlanta, exact or precise connection to metro curb is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric dimensions. The 915 mm (36 inch) dimension may be converted to 900 millimeters (35.4 inches). No measurement ratio that refer to linear feet and square yards shall be interpreted to mean their metric and square meters.

REVISIONS															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01	03/01
7-9															

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE — MARCH 2, 2002 — NUMBER A3

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

Order Plans Online.com

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

dpe Development Planning & Engineering, Inc.
civil . survey . transportation . survey
5074 WINSTOL INDUSTRIAL WAY
SUITE A
BUFORD, GEORGIA 30518
(770) 271-2868
www.dpengr.com

PREPARED FOR:

FRIENDSHIP ROAD PROPERTIES, LLC
3101 TOWERCREEK PKWY.
SUITE 420
ATLANTA, GA 30339
MR. RANDY HERRON
(404) 578-8296

PROJECT NAME:

CREEKSIDE RETAIL

TASK:

EROSION CONTROL DETAILS

LEVEL II CERTIFIED DESIGN PROFESSIONAL NO. 0000013084

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 24031 JEFF J. PARKER — 04/12/18

PROJECT INFORMATION:

CREEKSIDE RETAIL
Project Name

15-082F
Project Number

OLD WINDER HIGHWAY
Project Address

G.M.D. 1749
Parcel No.(s)

Land Lot / District
TOWN OF BRASELTON
HALL COUNTY
County, State

No.	1	2	3	4	5	6	7	8	9
REVISION									
DATE									

RJP DESIGN	AS SHOWN SCALE
RJP DRAWN	12 of 17
KWB CHECKED	SHEET
03/20/18 DATE	15-082F PROJECT No.