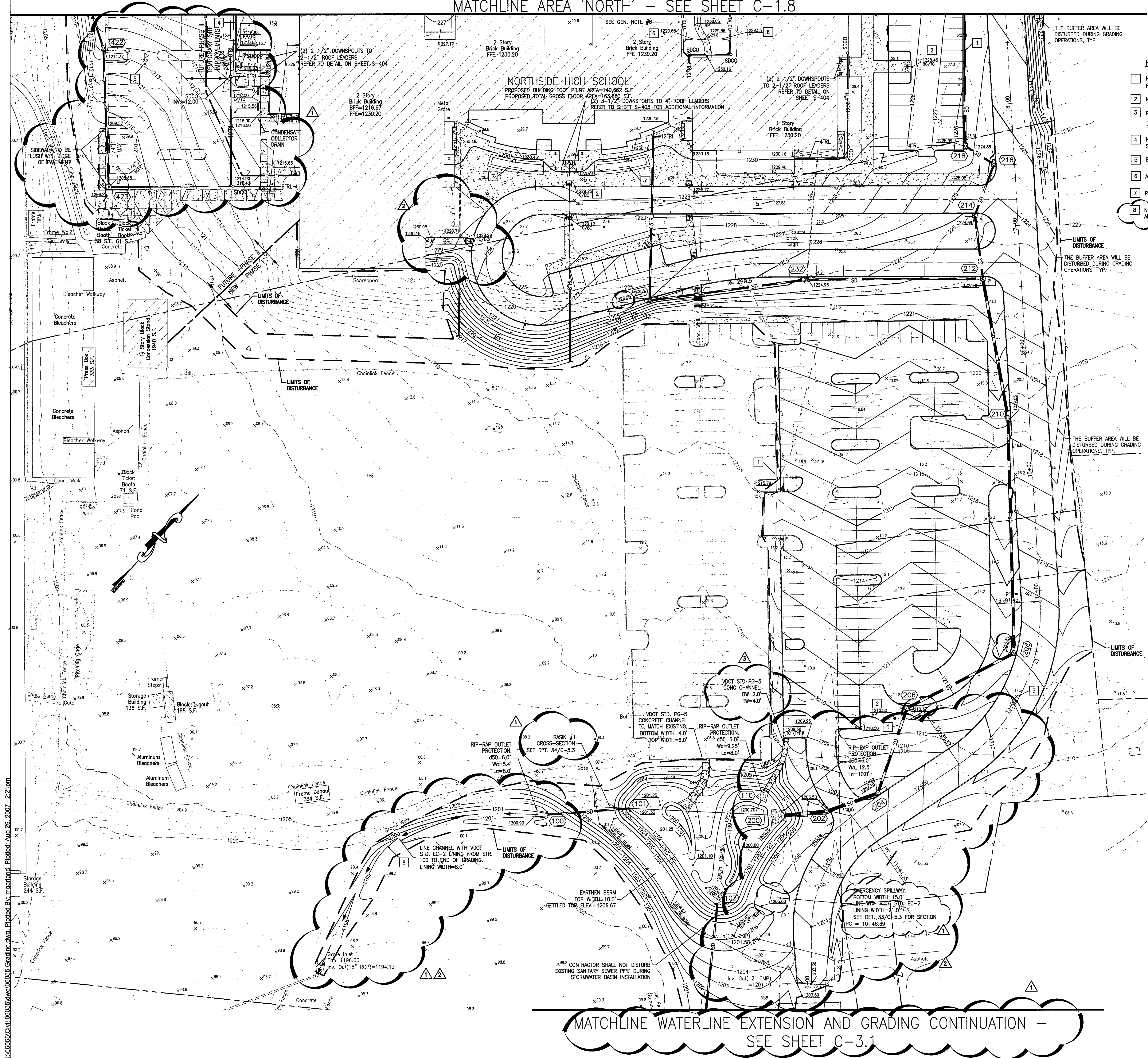




- KEYNOTES:**
- 1 NEW STORM DRAINAGE SYSTEM. REFER TO SHEET C-2.3 FOR PROFILES.
 - 2 NEW FINISHED GRADE. ELEVATION, TYPICAL.
 - 3 REPLACE EXISTING ROOF DRAIN COLLECTION SYSTEM/ROOF LEADER WITH NEW. MATCH EXISTING PIPE MATERIAL. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
 - 4 NEW RETAINING WALL OR SCREEN WALL. REFER TO STRUCTURAL PLANS FOR SECTIONS AND ELEVATIONS.
 - 5 EXISTING GROUND ELEVATION, TYPICAL.
 - 6 AREA DRAIN WITH CAST IRON GRATE. REFER TO DETAIL 24 ON C-5.2.
 - 7 PLANTER DRAIN. REFER TO DETAIL 23 ON C-5.2.
 - 8 NEW STORMWATER DITCH. REFER TO SHEET C-1.9 FOR SECTION AND SCHEDULE OF DITCHES.

- GENERAL NOTES**
1. LENGTH OF STORM DRAIN PIPE IS HORIZONTAL DISTANCE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
 2. "SPILL" GUTTER WHERE DRAINAGE PATTERN IS AWAY FROM GUTTER TO PREVENT TRAPPED OR STANDING WATER.
 3. FLOODNOTE: CAPTION PROPERTY DOES NOT LIE WITHIN THE LIMITS OF A 100 YEAR FLOOD BOUNDARY AS DESIGNATED BY FEMA MAP #51161C0023 F, PANEL #23 OF 90, DATED OCTOBER 15, 1993.
 4. ALL RAIN LEADER 12" DIAMETER OR LESS SHALL BE INSTALLED AT 1.0% MINIMUM SLOPE OR GREATER UNLESS NOTED OTHERWISE.
 5. ALL CONDENSATE DRAIN COLLECTOR PIPING SHALL BE 3" PVC. SERVICE PIPING SHALL BE 1" MIN. WHERE ADJACENT TO RAIN LEADER OR STORM DRAIN, DIRECTION CONNECTION WILL BE ALLOWED. COORDINATE LOCATIONS FOR CONDENSATE DRAINS WITH MECHANICAL DRAWINGS AND PIPING LAYOUTS WITHIN COURTYARDS WITH PLUMBING PLANS.
 6. CONDENSATE DRAINS ALONG WEST SIDE OF COURTYARD #3 SHALL TAP DIRECTLY TO NEW 8" RAIN LEADER.

TOTAL DISTURBED AREA = 16.50 ACRES

SPECTRUM DESIGN

10 CHURCH AVE. STE. 1 ROANOKE, VIRGINIA 24011 540.342.6001
ROANOKE • MARION

ADDITIONS AND RENOVATIONS TO

NORTHSIDE HIGH SCHOOL

ROANOKE COUNTY PUBLIC SCHOOLS
VA DOE #80-52G

SPECTRUM DESIGN PROJECT NO. 06055

REVISION 2 CHANGES:
PARKING LOTS C AND G AND ASSOCIATED AREAS ARE SHOWN ON THIS PLAN AS FUTURE WORK (PHASE II). PHASE II WILL BE CONSTRUCTED AT A LATER DATE. REFER TO SHEET C-3.2 FOR TEMPORARY IMPROVEMENTS BETWEEN NEW AND FUTURE WORK.

ALL GUTTER IN PHASE I HAS BEEN REMOVED FROM THIS PROJECT. AS A RESULT, CONTOURS AND NEW SPOT SHOTS HAVE BEEN ADJUSTED AS NECESSARY.

LEGEND

FDN	FOUNDATION (DRAIN)
CD	CONDENSATE DRAIN
EP	EDGE OF PAVEMENT ELEVATION, TYP
TC	TOP OF CURB ELEVATION, TYP
ELEV.00	FINISHED GRADE LOCATION, TYP
200	STORM DRAIN STRUCTURE NUMBER, TYP
SD	VDOT STD. RIDGAP, TYPE A

DATE: 15 APRIL, 2007
DESIGN ARCHITECT: MICHAEL A. RAYBURN
PROJECT ARCHITECT: MAR 028159
CHECKED BY: 8/24/07
DRAWN BY: PERMANENT EXEMPT

REVISIONS	NUMBER	DATE
COUNTY REVIEW	1	5/25/07
CO. REV. VE REVISION	2	8/7/07
COUNTY REVIEW	3	8/28/07

GRADING AND DRAINAGE PLAN - AREA 'SOUTH'

C-1.7