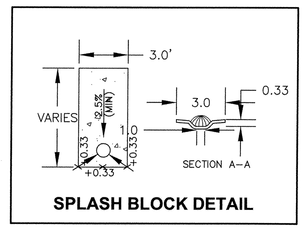
STORM SEWER TABLE - Yard Drains

FROM	TO	L	d	%GRD	UPPERN INV	LOWER INV	RIM
N3	N3A	31'	8" HDPE	2.61%	900.00	899.19	903.17
N3A	N2A	64'	12" HDPE	2.61%	899.19	897.53	N/A
N2	N2A	31'	8" HDPE	7.96%	900.00	897.53	903.17
N2A	N1A	46'	12" HDPE	2.61%	897.53	896.32	N/A
N1	N1A	31'	8" HDPE	11.87%	900.00	896.32	903.17
N1A	STMH 10A	125.2'	12" HDPE	2.61%	896.32	893.05	N/A
CB 10B	STMH 10A	11'	4" PVC	46%	898.64	893.55	899.14
STMH 10A	CBMH 10	75.5'	12" RCP	0.30%	893.05	892.83	898.87
N7	N7A	28'	8" HDPE	2.00%	898.39	897.83	903.17
N7A	N6A	32'	12" HDPE	3.25%	897.83	896.79	N/A
N6	N6A	28'	8" HDPE	11.46%	900.00	896.79	903.17
N6A	N5A	32'	12" HDPE	3.25%	896.79	895.74	N/A
N5	N5A	28'	8" HDPE	15.21%	900.00	895.74	903.17
N5A	N4A	32'	12" HDPE	3.25%	895.74	894.70	N/A
N4	N4A	28'	8" HDPE	18.92%	900.00	894.70	903.17
N4A	N11A	33'	12" HDPE	3.25%	894.70	893.61	N/A
N11	N11A	81'	6" HDPE	7.85%	900.00	893.61	N/A
N11A	CB 9	40'	12" HDPE	3.25%	893.61	892.30	N/A
N8	N8A	114'	8" HDPE	2.00%	896.31	894.03	899.48
N8A	N9A	48'	12" HDPE	2.87%	894.03	892.65	N/A
N9	N9A	114'	8" HDPE	3.21%	896.31	892.65	899.48
N9A	CB 3	39'	12" HDPE	2.87%	892.65	891.53	N/A
N10	N10A	141'	8" HDPE	3.19%	900.00	895.50	903.17

STORM SEWER TABLE

LOCATION		DESIGN			PROFILE		
FROM	TO	L	d	% GRD	UPPER INV.	LOWER INV.	RIM ELEV.
CO 3	CO 2	72'	8" DIP	0.50%	895.98	895.62	903.50
CO 2	CO 1	82'	8" DIP	0.50%	895.62	895.21	903.50
CO 1	STMH 4	72'	8" DIP	0.50%	895.21	894.85	903.50
STMH 4	CBMH 2	137'	12"	1.69%	894.35	892.04	903.50
CB 3	CBMH 2	239'	18"	0.35%	891.53	890.70	896.85
CBMH 2	FES 1	83'	24"	0.24%	890.20	890.00	899.30
CB 10	CBMH 8	216'	12"	0.29%	892.83	892.20	897.53
CB 9	CBMH 8	25'	15"	0.35%	892.30	891.95	896.92
CBMH 8	CBMH 6	203'	18"	0.34%	891.70	891.01	896.92
CB 7	CBMH 6	25'	12"	0.20%	891.56	891.51	895.98
CBMH 6	FES 5	134'	18"	0.76%	891.01	890.00	895.98
CB 11	FES 2	36'	12"	1.50%	896.04	895.50	901.40



SPLASH BLOCK DETAIL

LEGEND

- 1000 — EXISTING MINOR CONTOUR
- 1000 — EXISTING MAJOR CONTOUR
- 1000 — PROPOSED MINOR CONTOUR
- 1000 — PROPOSED MAJOR CONTOUR
- PROPOSED STORM SEWER
- PROPOSED SILT FENCE
- PROPOSED HAYBALE CHECK
- PROPOSED ROCK CONST. ENTRANCE
- *10 DENOTES WALL ID #
- +897.53 PROPOSED SPOT ELEVATION
- DENOTES SOIL BORING

NOTE:
DETENTION POND SIZED TO CONTAIN THE 100 YEAR BACK TO BACK STORM PER CITY OF ELK RIVER DIRECTION. PLANNING FOR A REGIONAL POND EXPANSION TO THE WEST OF THE STORMWATER POND IS ONGOING.

GRADING NOTES

CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE COMMENCEMENT OF SITE GRADING. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES OR VARIATIONS FROM THE PLANS.

ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTACT "GOPHER STATE ONE CALL" (651-454-0002) FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO EXCAVATION.

CONTRACTOR SHALL STRIP, STOCKPILE AND RE-SPREAD SUFFICIENT TOPSOIL TO PROVIDE A MINIMUM 6 INCH DEPTH (COMPACTED) TO ALL DISTURBED AREAS TO BE SODDED OR SEEDED.

THE SITE GRADING OPERATIONS, WHEN COMPLETED, SHALL RESULT IN ALL AREAS BEING GRADED TO "PLAN SUBGRADE ELEVATION". THIS "PLAN SUBGRADE ELEVATION" SHALL BE CONSISTENT WITH THE GEOTECHNICAL REPORT FOR BUILDING AND PAVEMENT AREAS. THE "PLAN SUBGRADE ELEVATION" IN THE PARKING LOT AND DRIVEWAY AREAS SHALL BE DETERMINED BY CHECKING THE PAVEMENT SECTION DETAILS AND REFERRING TO PAVING PLAN FOR LOCATIONS AND LIMITS OF VARIOUS PAVEMENT SECTIONS.

REFER TO SITE PLAN FOR CURRENT HORIZONTAL SITE DIMENSIONS AND LAYOUT.

EXISTING TOPOGRAPHY PROVIDED BY WESTWOOD PROFESSIONAL SERVICES

PROPOSED SPOT ELEVATIONS ADJACENT TO CURB LINES ARE SHOWN AT THE GUTTER

WALL NOTES

WEEP HOLES; REFER TO STRUCTURAL PLANS FOR WALL DETAILS. (MIN ONE EVERY 10' O.C.)

REFER TO LANDSCAPE PLAN FOR H.C. RAMP AND STAIR ELEVATION

* DENOTES; WALL ID AND ELEVATION FOR REFERENCE ONLY. REFER TO FABCON CONSTRUCTION PLANS FOR DIMENSIONS AND ELEVATIONS OF SECURITY WALL.

WALL ID#	TOP OF WALL	BOTTOM OF WALL
1	904.46	901.46
2	904.46	901.46
3	904.46	901.46
4	904.46	901.46
5	904.46	901.46
6	904.46	901.46
7	904.46	901.46
8	904.46	901.46
9	904.46	901.46
10	904.46	901.46
11	905.46	902.46
12	905.46	902.46
*13	913.50	903.50
*14	912.50	902.50
*15	912.00	902.00
*16	909.00	899.00
*17	909.00	899.00
*18	909.00	899.00
*19	908.00	898.00
*20	910.00	900.00
*21	913.50	903.50
22	904.46	901.46
23	904.46	901.46
24	904.46	901.46
25	904.46	901.46

RYAN
BUILDING LASTING RELATIONSHIPS

CORGAN

ISSUE NO.	REV NO.	ISSUES / REVISIONS	DATE
		DESCRIPTION	
1		CONSTRUCTION ISSUE 1	11/16/05
4	3	CONSTRUCTION ISSUE 4	02/03/06
6	5	CONSTRUCTION ISSUE 6	04/17/06
7	6	CONSTRUCTION ISSUE 7	07/05/06
		FOR REVIEW	08/14/06
-	7	FIELD ISSUE	08/28/06
		LANDSCAPE UPDATE	04/26/07
		RECORD DRAWINGS	06/12/07

TARGET
TECHNOLOGY DATA CENTER 2
ELK RIVER, MINNESOTA

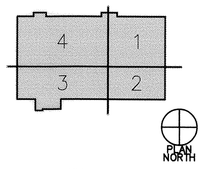
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Wayne T. Sicora, PE

REGISTRATION NO. 42676 DATE 06 / 12 / 2007

© 2005 RYAN COMPANIES US, INC.

KEY PLAN



SHEET TITLE

GRADING, DRAINAGE & EROSION CONTROL PLAN

SHEET NUMBER

C2

DRAWN BY: CDL
CHECKED BY: WTS
JOB NUMBER 1524-000
DATE 06 / 12 / 2007

N

0 50 100
SCALE IN FEET