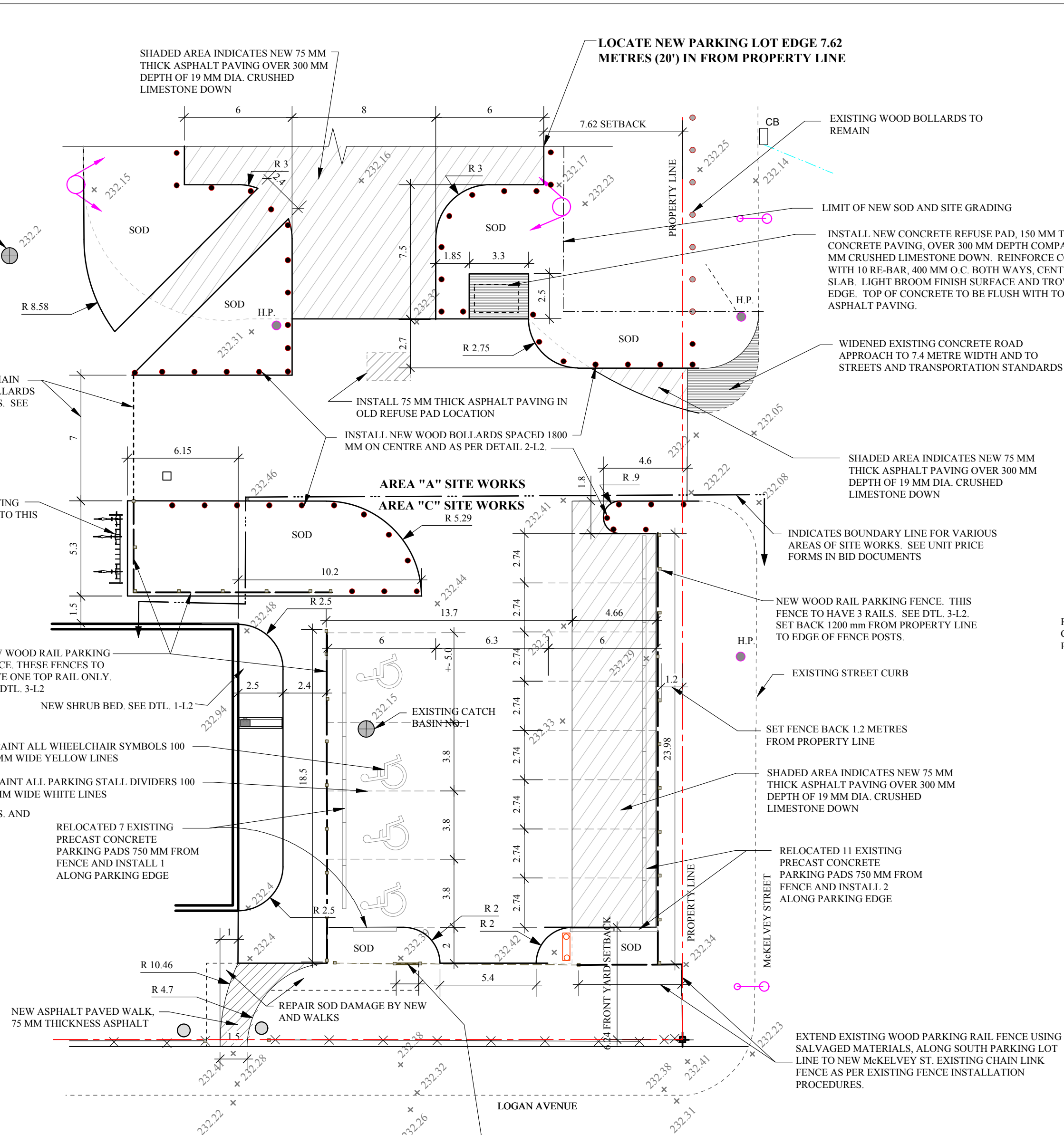


2 GRADING / SITE PLAN  
Scale: 1:300



3 SOUTH PARKING LOT EXPANSION PLAN  
Scale: 1:200

**GRADING NOTES AND LEGEND:**

- 233.7 EXISTING GRADE ELEVATION
- 233.7 NEW GRADE ELEVATION
- LIMIT OF GRADING/NEW SOD
- DIRECTION OF DRAINAGE/SLOPE AND PERCENTAGE OF SLOPE
- ⊕ INDICATES LEGAL SURVEY MONUMENT. PROTECT ALL.

**GENERAL NOTES:**

- EXISTING GRADE ELEVATIONS ARE BASED ON SURVEY UNDERTAKEN BY KEN RECH LANDSCAPE ARCHITECTS AND MICHALENKO SURVEYS ON MAY 5, 2011.
- ALL NEW GRADES SHALL BE A CONSTANT STRAIGHT SLOPE BETWEEN THE NEW SPOT ELEVATIONS OR TO THE EXISTING PERIMETER GRADE.
- TWO WEEKS PRIOR TO CONSTRUCTION COMMENCING, CONTRACTOR SHALL NOTIFY CITY OF WINNIPEG, GEOMATICS BRANCH, SURVEY INFRASTRUCTURE, TEL: 918-1360 AND HAVE EXISTING SURVEY MONUMENT INSPECTED, REF. JOB NO: 20110387, TO VERIFY THEY IT IS IN PLACE AND IN GOOD CONDITION. SURVEY MONUMENT IS LOCATED AT SOUTHEAST CORNER OF PROPERTY.

**LAND DRAINAGE NOTES: CATCH BASIN #3**

**AREAS AND RUNOFF COEFFICIENTS**

TOTAL AREA 0.2918 ACRES  
 GRASS: 0.0185 ACRES ("C" = 0.1)  
 ASPHALT AREA: 0.2733 ACRES ("C" = 0.9)  
 AREAS x RUNOFF COEFFICIENT (AC) = 0.2478  
 AVERAGE "C" VALUE FOR SITE = 0.2478 / 0.2918 = 0.85

FOR A RATIONAL DESIGN STORM WHERE "t" = 10 MINUTES AND  
 $i = 47.2$   
 $(1 + 8) 0.828$   
 $i = 4.311$

DISCHARGE "Q" FROM SITE WITH NO STORAGE =  
 $0.85 \times 4.311 \times 0.2918 = 1.07 \text{ cfs}$

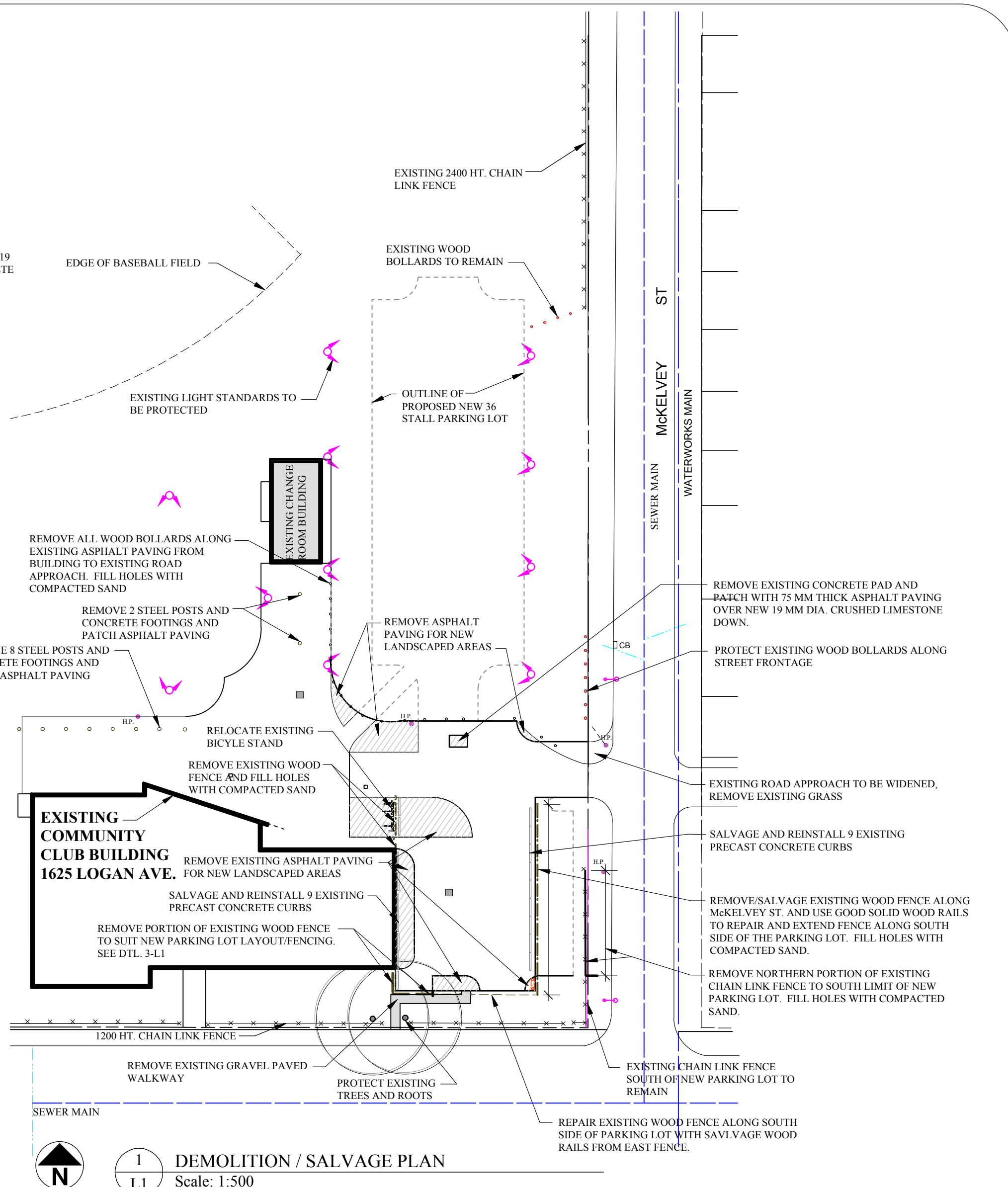
**STORAGE**

Assigned "C" value for site = 0.30 with "t" = 10 minutes  
 Allowable discharge with site storage =  $0.30 \times 4.311 \times 0.2918 = 0.38 \text{ cfs}$   
 Required site storage for 25 year design storm 1.070 cubic feet

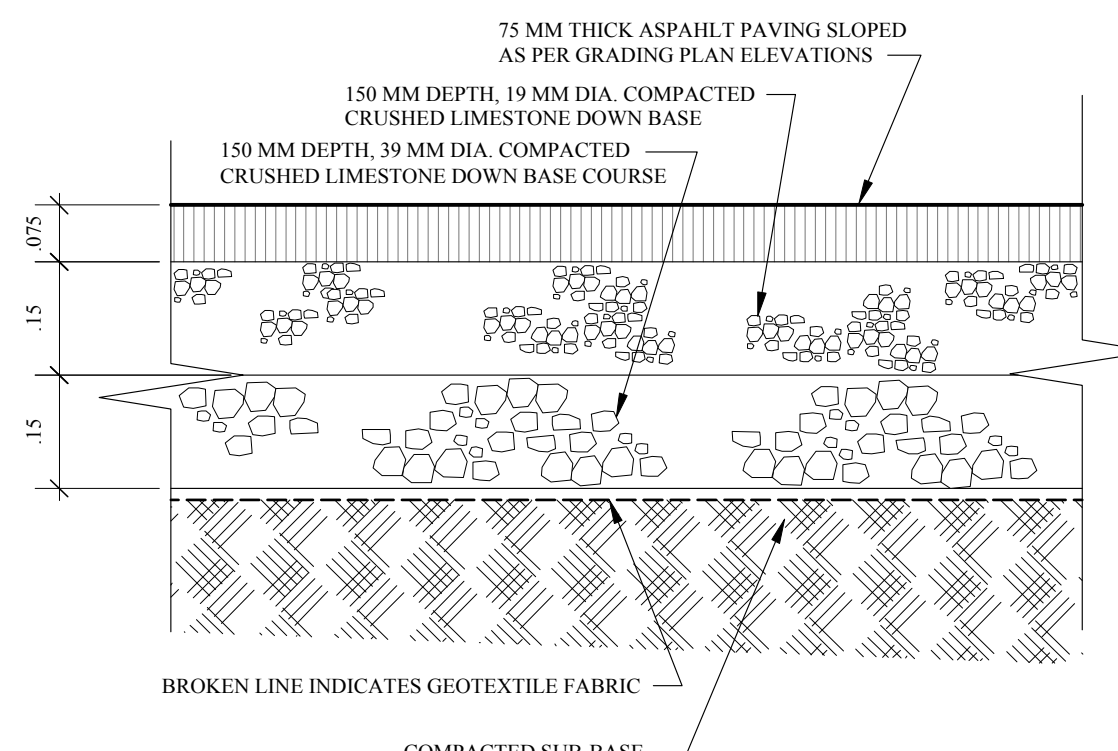
CATCH BASIN NO. 3  
 Top Elevation 231.90  
 Invert 200 mm - 230.15

ORIFICE DESIGN - Catch Basin No. 3  
 with 25 year storage, top elev. of water of 0.3M above catch basin No. 3,  
 discharge into existing 300 mm C.S.

$Q = A/\sqrt{2h} \cdot "c" = 0.61 \cdot "Q" = 0.38 \text{ cfs}$   
 $h =$  Height of water from centre of orifice 1.85m (6.07 feet)  
**Diameter of orifice**  
 Contractor to install 200 mm plug in 200 mm sewer and install 2.4" dia. orifice.



4 DEMOLITION / SALVAGE PLAN  
Scale: 1:500



4 ASPHALT PAVING SECTION  
Scale: 1:10



PROJECT TITLE	NO.	REVISIONS	BY	DATE
WESTON C.C. BUILDING COMMUNITIES 2				
1625 LOGAN AVENUE				
DRAWING TITLE	KEN RECH LANDSCAPE ARCHITECTS INC.			
NEW PARKING LOT SITE PLAN	1480 Wellington Crescent Winnipeg Manitoba Fax 489-6852 R3N 0B3 Tel(204) 489-6616			
DRAWN BY	SCALE	AS NOTED	SHEET NO.	
K. Rech			L1	
PRINT DATE	DATE	July 26, 2011		
Aug. 3, 2011	REVISION	0		
FILE NO.	10-15-C			

**APEGM**  
 Certificate of Authorization  
**G. A. Pratt & Associates Inc.**  
 No. 758 Expiry: April 30, 2012

**PROFESSIONAL SEAL**  
 G.A. PRATT  
 250/072011