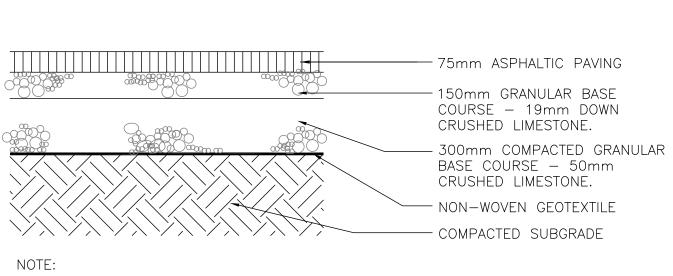


-100mmø I.D. PVC PIPE FORMED INTO PRECAST CONCRETE PILLAR PLATES FOR PILLAR INSTALLATION -75mm COVER MINIMUM _____150mm CARDBOARD VOIDFORM BENEATH ---FINISHED GRADE -C.I.P. CONCRETE PILE WITH 5-15M VERTICAL FULL HEIGHT COMPLETE WITH 180° HOOKS BOTH ENDS AND 10M RINGS AT 600mm (24") ON CENTRE, WITH 2 EXTRA RINGS PROVIDED WITHIN THE TOP 400mm (16") OF THE PILE -400 ø x 4527mm DEPTH C.I.P. CONCRETE PILE SONOTUBE FORM. -COMPACTED SUBGRADE TO 98% S.P.D. -90mmø O.D. STEEL PIPE C/W 2-15M REBAR WELDED TO PIPE

1) THE REINFORCING STEEL TO BE 400MPa GRADE 2) THE CONCRETE TO BE 35MPa MINIMUM AT 56 DAYS, S1 EXPOSURE CLASS, 4% TO 7% ENTRAINED AIR, SULPHATE RESISTANT CEMENT, 20mm MAXIMUM AGGREGATE, WITH A MINIMUM SLUMP 3) THE GREASED SONOTUBE TO BE INSTALLED FOR THE TOP 1.8m (6') OF THE PILE ONLY, AND WRAPPED WITH 10mil POLYETHYLENE

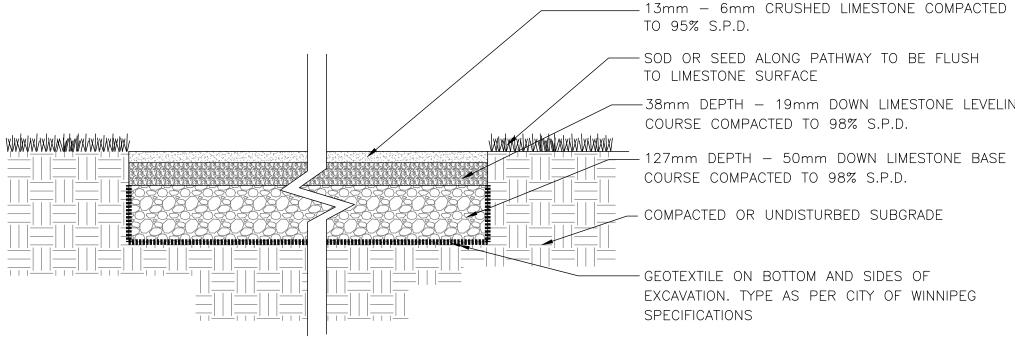
2 ENTRY COLUMN CONCRETE BASE L1 N.T.S.

1 ENTRY COLUMNS L1 N.T.S.



PRIOR TO ASPHALT INSTALLATION CONTRACTOR MUST PROVIDE COMPACTION TEST OF COMPACTED GRANULAR AND CONFIRMATION OF DEPTH OF GRANULAR BASE AT ALL EDGES OF PARKING LOTS, ACCESS ROADS, ETC.

5 ASPHALT PAVING L1 N.T.S.



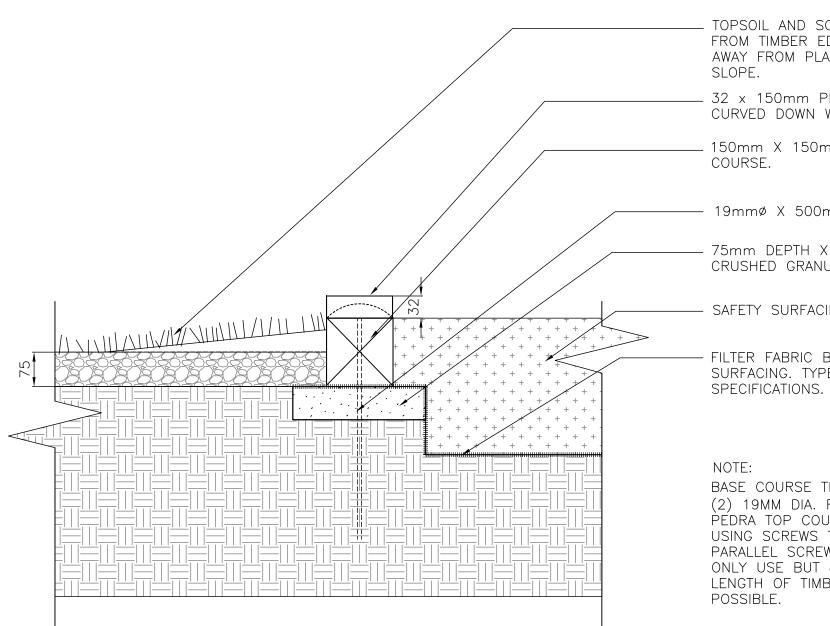
CRUSHED LIMESTONE PATHWAY

<u>L</u>1 N.T.S.

TO LIMESTONE SURFACE -38mm DEPTH - 19mm DOWN LIMESTONE LEVELING COURSE COMPACTED TO 98% S.P.D. -127mm DEPTH - 50mm DOWN LIMESTONE BASE COURSE COMPACTED TO 98% S.P.D. - COMPACTED OR UNDISTURBED SUBGRADE GEOTEXTILE ON BOTTOM AND SIDES OF EXCAVATION. TYPE AS PER CITY OF WINNIPEG

SPECIFICATIONS NOTE:

- GRADE PATHWAY TO DRAIN: MAX. 2% CROSS SLOPE MAX. 5% LONGITUDINAL SLOPE WIDTH 1.8m



TOPSOIL AND SOD REPAIRS TO BE MAX. 500mm FROM TIMBER EDGING. ENSURE POSITIVE DRAINAGE AWAY FROM PLAY AREA - MIN. 1%, MAX. 10%

- 32 x 150mm PEDRA TOP COURSE SET WITH GRAIN CURVED DOWN WITH 8mm CHAMFERED EDGES.

150mm X 150mm PRESSURE TREATED TIMBER BASE COURSE.

– 19mmø X 500mm REBAR @ MAX. 1200 O.C.

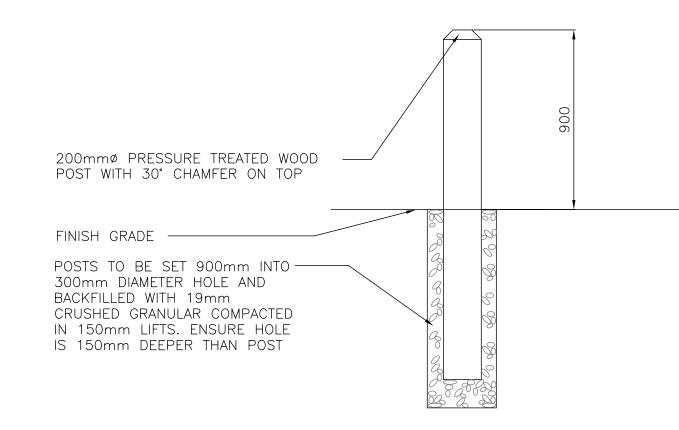
- 75mm DEPTH X 300mm WIDTH - 19mm DOWN CRUSHED GRANULAR BASE

— SAFETY SURFACING

- FILTER FABRIC BETWEEN SUBGRADE AND SAFETY SURFACING. TYPE AS PER CITY OF WINNIPEG

BASE COURSE TIMBER SHALL BE PINNED WITH MINIMUM OF TWO (2) 19MM DIA. REBAR @ MAX. 1200MM O.C. PEDRA TOP COURSE SHALL BE PRE-DRILLED AND SCREWED DOWN USING SCREWS TREATED FOR ACQ USE AND SIZED TO SUIT. TWO PARALLEL SCREWS AT EACH END OF THE TIMBERS AND AT 600MM. ONLY USE BUT JOINTS FOR STRAIGHT SECTIONS OF PEDRA. MIN. LENGTH OF TIMBERS TO BE 1200MM. INSTALL LONGEST LENGTHS POSSIBLE.

3 TIMBER EDGING AND PLAYGROUND SURFACING



WOOD BOLLARD L1 N.T.S.

Jymymadylgdam //impam //ir

TREE TO BE SET PLUMB IN CENTER OF TREE PIT -METAL "T" STAKE ON ONE OR TWO SIDES AND GUYING STRAP (WHERE REQUIRED, ADJUST LOCATION WITH PREVAILING WINDS) -TREE GUARD: 100mm DIA. x 600mm LENGTH WEEPING TILE MATERIAL SLICED AND WRAPPED AROUND BASE OF TREE -75mm PINE BARK NUGGET MULCH ON FILTER FABRIC. MIN 1.5m DIA. MULCH MUST NOT CONTACT TREE TRUNK. -CUT WIRE BASKET, BEND BACK TOP LOOPS AND REMOVE BURLAP FROM TOP 1/3 OF ROOT BALL. REMOVE ALL TWINE AND NON BIODEGRADABLE -BERM OF PLANTING MEDIUM FORMING WATER DISH AROUND OUTSIDE EDGE OF ROOTBALL

—FINISHED GRADE OF SOD / NATIVE GRASSES

TREE PLANTING MEDIUM. REFER TO SPECIFICATIONS -PLANTING SOIL OR COMPACTED CLEAN EARTH

FILL SUITABLE FOR TREE GROWTH. TREE PIT SLOPING TO APPROXIMATE WIDTH OF ROOTBALL AT BASE

-SCARIFY SIDES OF PIT TO 150mm DEPTH IF SURROUNDING SOIL IS NOT NEW PLANTING

GARBAGE, RUBBLE, DEBRIS, GRAVEL, ETC.

-REMOVE ALL DELETERIOUS MATERIALS INCLUDING

IN PAVED AREAS, PLANTING SOIL TO BE FILL AREA OF TREE WELL TO A MINIMUM DEPTH OF 900mm. RED SHREDDED WOOD MULCH ON FILTER FABRIC TO BE FILL AREA OF TREE WELL.

7 TYPICAL DECIDUOUS TREE PLANTING L1 N.T.S.

TREE PIT: 2X DIAMETER OF

ROOT BALL (MINIMUM)

IN SODDED AREA

	ISSUED FOR TENDER	19/07/11	АН
No.	Revisions	Date	Ву
Date	Scale		
19,	/07/11 N.T.S.		

Designed By Drawn By Checked By SM



CITY OF WINNIPEG

ROTARY HERITAGE PARK PHASE 2

Sheet Title

DETAILS

Project No. 09-009