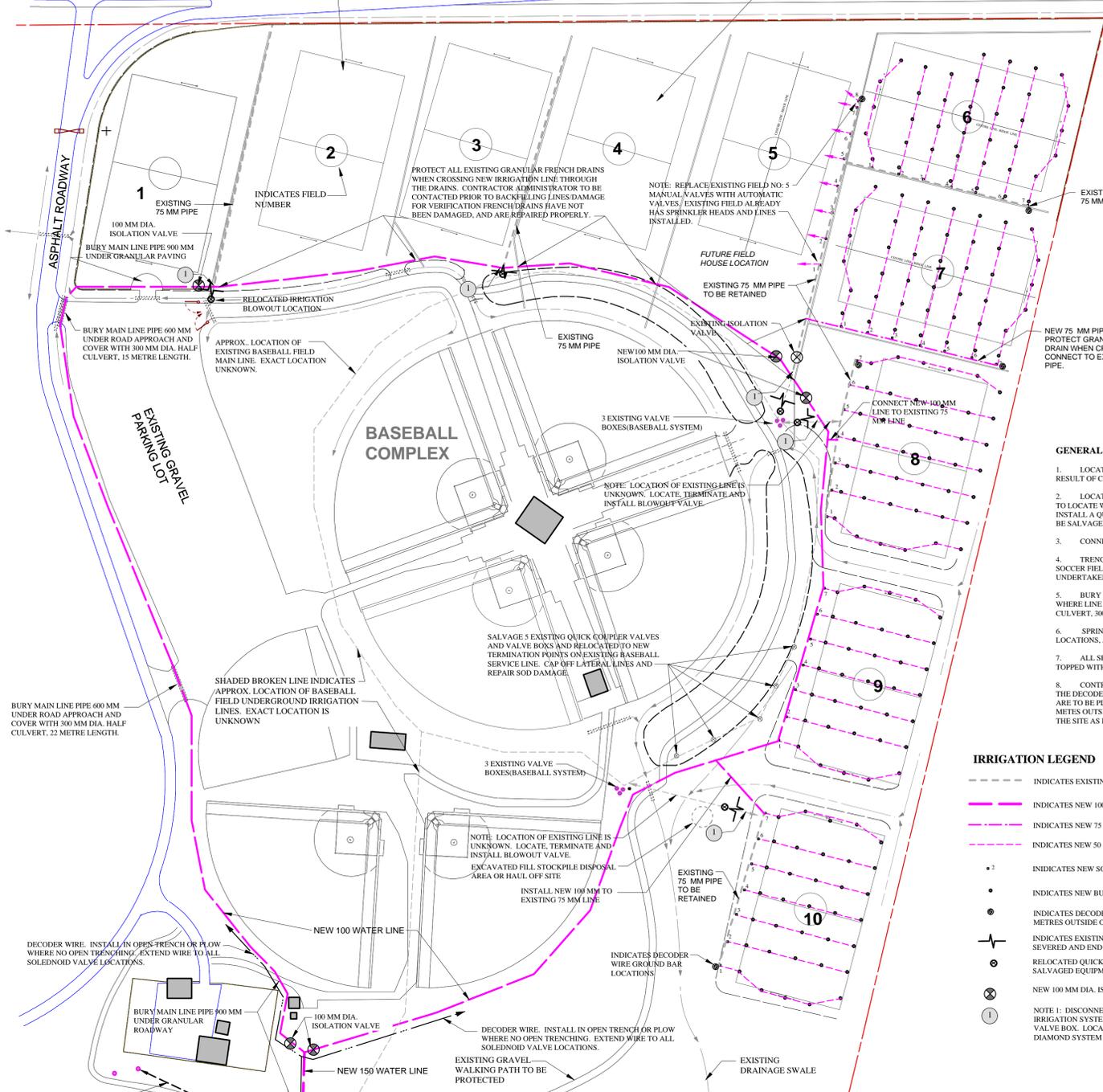


PORTAGE AVENUE / HIGHWAY NO. 1

NOTE: FIELDS 2 - 4 ARE FUTURE WORK AND NO IRRIGATION IMPROVEMENTS ARE BEING MADE FOR THIS PROJECT, EXCEPT FOR CONNECTION OF THE NEW 100 MM DIA. WATER LINE TO THE EXISTING 75 MM WATER LINES BETWEEN THE FIELDS.



1 NEW IRRIGATION LINE PLAN
L1 Scale: 1:1500

SCALE 0 50 100 150 200 250 METRES

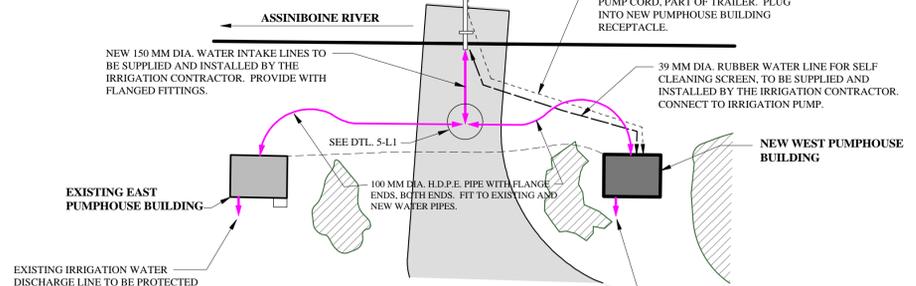
GENERAL NOTES:

- LOCATE AND PROTECT ALL UNDERGROUND UTILITIES AND SERVICES PRIOR TO CONSTRUCTION COMMENCING. REPAIR ALL DAMAGE AS RESULT OF CONSTRUCTION AT NO COST TO THE CITY.
- LOCATION OF EXISTING BASEBALL SYSTEM WATER SERVICE FEED LINES TO THE SOCCER FIELD IS UNKNOWN. IRRIGATION CONTRACTOR TO LOCATE WATER SERVICE TO THE EXISTING SOCCER FIELD AND SEVERE THE CONNECTION. CAP THE END OF THE EXISTING SERVICE AND INSTALL A QUICK COUPLER BLOWOUT AND VALVE BOX. FOR WINTERING THE BASEBALL SYSTEM, QUICK COUPLER VALVE AND VALVE BOX TO BE SALVAGED EQUIPMENT, AS INDICATED ON DRAWING 1-L1.
- CONNECT EXISTING IRRIGATION FIELD WATER LINES TO NEW IRRIGATION MAIN PERIMETER WATER LINE AS NOTED ON THE DRAWINGS.
- TRENCHING IS NOT PERMITTED ON THE EXISTING SOCCER FIELDS. TRENCH ALL 150 MM AND 100 MM DIA. MAIN LINES. INSTALLATION OF SOCCER FIELD ZONE LINES MUST BE PLOWED FROM THE VALVE BOX SIDE OF THE FIELD. INSTALLATION OF SPRINKLER HEADS MUST BE UNDERTAKEN TO MINIMIZE DAMAGE TO SODDED AREAS. RESTORE ALL TRENCHED AREAS DAMAGE WITH MIN. 100 MM TOPSOIL AND SEED.
- BURY ALL NEW MAIN IRRIGATION LINES A MIN. OF 900 MM BELOW GRANULAR WALKWAYS AND MINOR ROADWAY CROSSING LOCATIONS. WHERE LINE CROSSES UNDER TWO MAJOR BASEBALL DIAMOND PARKING LOT APPROACHES, BURY PIPE 600 MM AND COVER WITH A HALF CULVERT, 300 MM DIA. CULVERT MAY BE GALVANIZED METAL OR SEWER GRADE PIPE WHICH MEETS CITY OF WINNIPEG STANDARDS.
- SPRINKLERS ARE BUCKNER MODEL CB103RC, 25 MM BRASS CAM DRIVE. ALL END ZONES ARE JOGGED TO AVOID MOVABLE GOAL POST LOCATIONS, AND POSSIBILITY OF DAMAGE BY GOAL POST ANCHORS.
- ALL SPRINKLER HEADS ARE TO BE INSTALLED WITH THE PITS BACKFILLED WITH COMPACTED SAND TO 150 MM BELOW FINISH GRADE, TOPPED WITH A 150 MM DEPTH OF COMPACTED TOPSOIL. SEE DTL. 6-L1. SEE DTL. 7-L1 FOR BACKFILLING REQUIREMENTS AROUND VALVE BOXES.
- CONTRACTOR IS TO INSTALL DECODER WIRES IN OPEN TRENCHED AREAS FOR NEW MAIN LINE EXCAVATION. ANY OTHER AREAS WHERE THE DECODER WIRES MUST BE INSTALLED I.E. TO SOLENOID VALVES LOCATED ON EXISTING WATER LINES TO BE RETAINED, THE DECODER WIRES ARE TO BE PLOWED 400 MM BELOW GRADE (TO PREVENT DAMAGE FROM FUTURE DEEP SOIL CORING EQUIPMENT). INSTALL 5 GROUND PLATES 3 METRES OUTSIDE OF THE VALVE BOXES, IN THE LOCATIONS SHOWN ON THE DRAWING. DECODER WIRE TO PROVIDE COMPLETE LOOP TO AROUND THE SITE AS PER THE MAIN IRRIGATION LINE. TERMINATE CUT WIRE IN ISOLATION VALVE BOX LOCATED SOUTH OF FIELD 5 AND WEST OF FIELD 8.

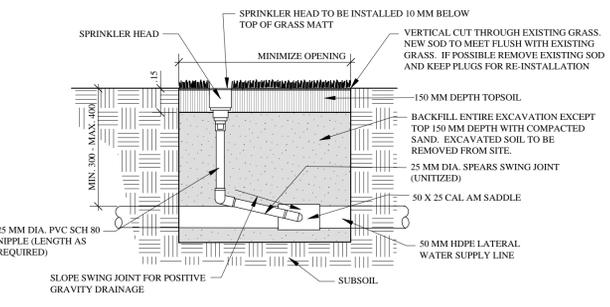
IRRIGATION LEGEND

- INDICATES EXISTING 75 MM DIA. WATER LINE
- INDICATES NEW 100 MM DIA. POLYETHYLENE WATER LINE
- INDICATES NEW 75 MM DIA. POLYETHYLENE WATER LINE
- INDICATES NEW 50 MM DIA. POLYETHYLENE WATER LINE
- INDICATES NEW SOLENOID VALVE LOCATION AND ZONE NUMBER
- INDICATES NEW BUCKNER SPRINKLER HEAD
- INDICATES DECODER GROUND PLATE, 100 MM X 900 LENGTH INSTALLED 3 METRES OUTSIDE OF VALVE BOX
- INDICATES EXISTING SUPPLY LINE FROM BASEBALL WATER SERVICE TO BE SEVERED AND END CAPPED.
- ⊗ RELOCATED QUICK COUPLER BLOWOUT LOCATION USING SALVAGED EQUIPMENT
- ⊗ NEW 100 MM DIA. ISOLATION VALVE LOCATION
- ① NOTE 1: DISCONNECT EXISTING WATER SERVICE FROM THE BASEBALL IRRIGATION SYSTEM, CAP LINE, AND INSTALL SALVAGED QUICK COUPLER C/W VALVE BOX. LOCATION OF EXISTING WATER SERVICE LINES FROM BASEBALL DIAMOND SYSTEM IS UNKNOWN.

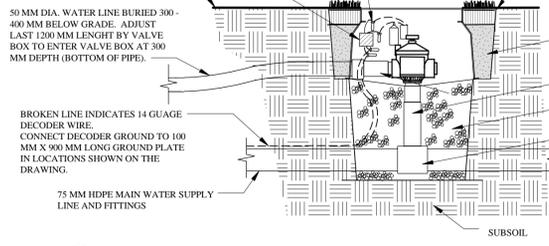
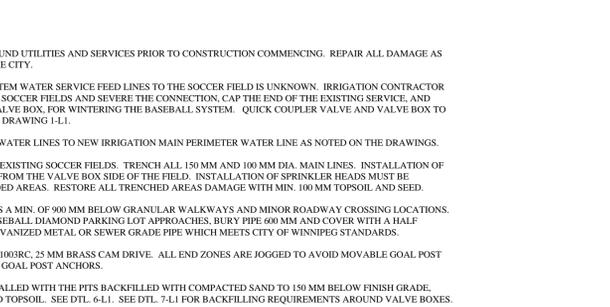
4 WATER INTAKE LINE PLAN
L1 Scale: 1:200



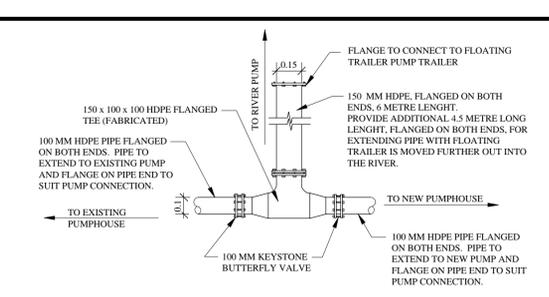
7 SOLENOID VALVE BOX SECTION
L1 Scale N.T.S.



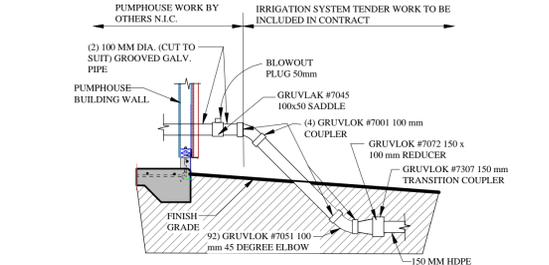
6 SPRINKLER HEAD/SWING JOINT SECTION
L1 Scale N.T.S.



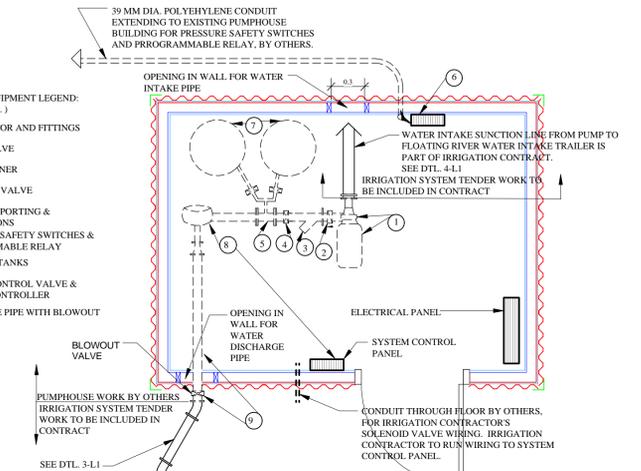
5 INTAKE PIPE BUTTERFLY VALVE CONNECTION
L1 Scale: 1:20



3 OUTLET PIPE SECTION
L1 Scale: 1:30



2 MECHANICAL PLAN SCHEMATIC
L1 Scale: 1:30



PROJECT TITLE	NO.	REVISIONS	BY	DATE
JOHN BLUMBERG SOCCER COMPLEX				
	KEN RECH LANDSCAPE ARCHITECTS INC. 1480 Wellington Crescent Winnipeg Manitoba Fax 489-6852 R3N 0B3 Tel(204) 489-6616			
DRAWING TITLE	DRAWN BY	SCALE	SHEET NO.	
IRRIGATION SITE PLAN AND DETAILS	K.R.	AS NOTED	L1	
	PRINT DATE	DATE		
	FEB. 9/09	FEB. 9/09		
FILE NO.	REVISION			
08-22	0			