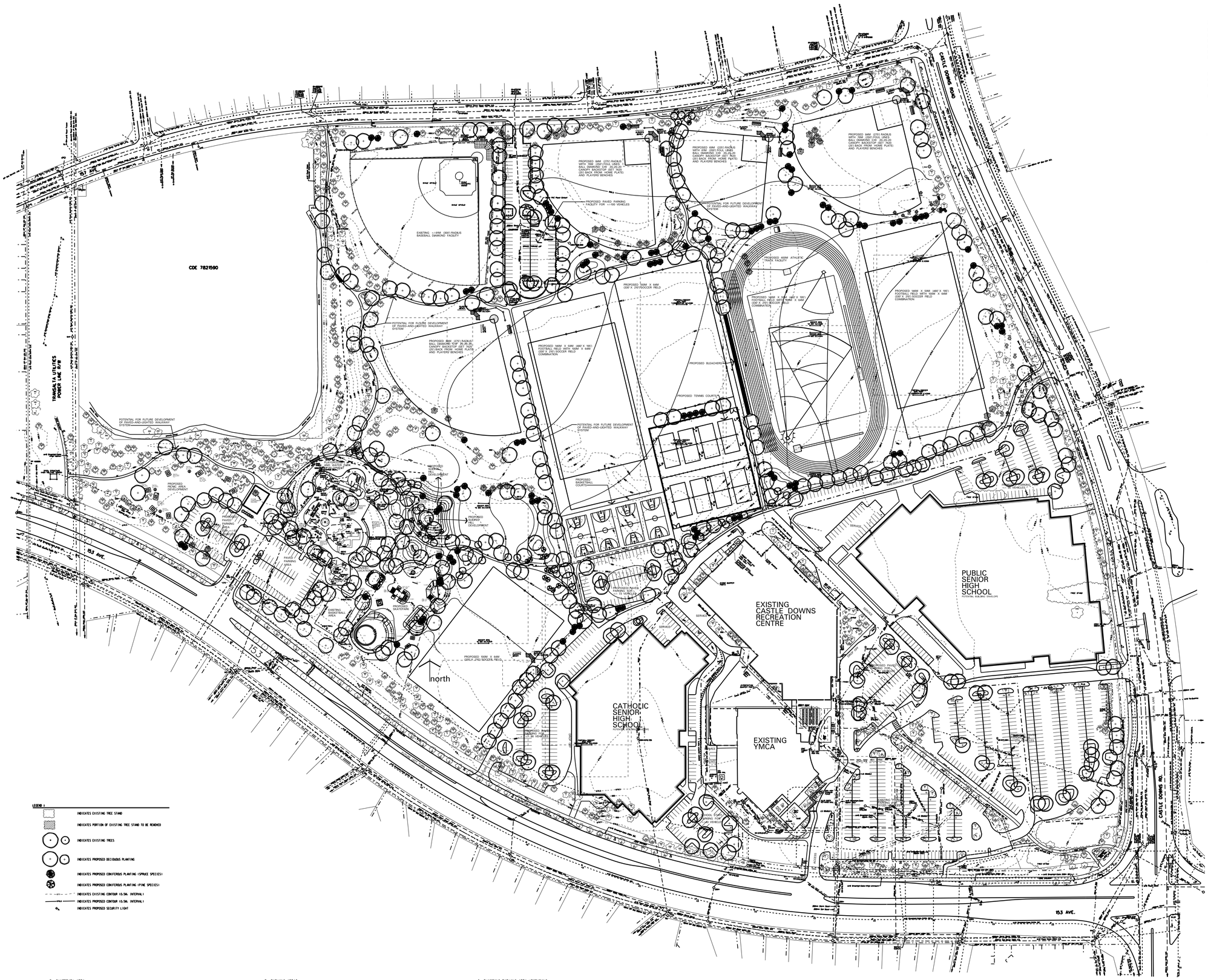

LEGEND :

- INDICATES EXISTING TREE STAND
- INDICATES PORTION OF EXISTING TREE STAND TO BE REMOVED
- INDICATES EXISTING TREES
- INDICATES PROPOSED DECIDUOUS PLANTING
- INDICATES PROPOSED CONIFEROUS PLANTING (SPRUCE SPECIES)
- INDICATES PROPOSED CONIFEROUS PLANTING (PINE SPECIES)
- INDICATES EXISTING CONTOUR (0.5M. INTERVAL)
- INDICATES PROPOSED CONTOUR (0.5M. INTERVAL)
- INDICATES PROPOSED SECURITY LIGHT

D. SKATEPARK AREA:
- CONSTRUCT +/-3000 SQ.M REINFORCED CONCRETE SURFACE AREA FOR WHEELED SPORT ACTIVITIES INCLUDING AMENITY INSTALLATIONS TO FACILITATE THE WHEELED SPORT NEEDS AND INCLUDING +/-176 LIN.M OF 2.00M HIGH X 200MM WIDE REINFORCED CONCRETE RETAINING WALLS ANCHORED ON
- +/-42 REINFORCED CONCRETE PILES OF 300MM DIAMETER X 4.00M DEEP
- INSTALL 2 ENTRY SIGNS C/W SKATEPARK RULES, REGULATIONS AND LIABILITIES SIMILAR TO SD441
- SUPPLY AND INSTALL 4 BIKE RACKS AS PER SD408 ONTO CONCRETE PADS
- SUPPLY AND INSTALL +/-2 BENCHES AS PER SD429C ONTO CONCRETE PAD AREAS
- SUPPLY AND INSTALL +/-3 PICNIC TABLES AS PER SD428C ONTO CONCRETE PAD AREAS
- SUPPLY AND INSTALL +/-4 TRASH UNITS AS PER SD451 ONTO CONCRETE PAD AREAS
- SUPPLY AND INSTALL +/-4 WALKWAY/SECURITY LIGHTS C/W +/-210 LIN.M UG POWER AND ALL NECESSARY CONNECTIONS
- INSTALL 1 CATCHBASIN MANHOLE AND +/-14 LIN.M OF 250MM DIA. UG SUBDRAINAGE LINE AND ALL NECESSARY CONNECTIONS
- SUPPLY AND INSTALL 1 GAZEBO STRUCTURE
- PLANT +/-28 DECIDUOUS TREES OF 60MM CALIPER AS PER SP401A
- PLANT +/-9 CONIFEROUS TREES OF 2.50M HEIGHT AS PER SP401A
- PLANT +/-22 DECIDUOUS SHRUBS OF 1.00M HEIGHT AS PER SP401A
- REFURBISH AND SOD +/-1600 SQ.M AREA HARDSURFACED CONSTRUCTION AREA FOR 1.00M ALL AROUND
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

E. PARKING AREAS:
- CONSTRUCT 2 SEPARATE PAVED PARKING AREAS FOR +/-125 VEHICLES C/W LIGHTING, MECHANICAL DRAINAGE, CONCRETE CURBS AND GUTTERS AND PAINTED STALL MARKINGS. ALL EXCAVATED MATERIAL TO BE HAULED OFF SITE. NOTE: OVEREXCAVATION TO SUBGRADE MAY BE REQUIRED
- REMOVE AND REPLANT ELSEWHERE ON SITE 1 DECIDUOUS TREE OF 100MM CALIPER AS PER SP401A
- REMOVE AND REPLANT ELSEWHERE ON SITE +/-2 CONIFEROUS TREES OF 100MM DBH AS PER SP401A
- PLANT +/-50 DECIDUOUS TREES OF 60MM CALIPER AS PER SP401A
- PLANT +/-4 CONIFEROUS TREES OF 2.50M HEIGHT AS PER SP401A
- REFURBISH AND SOD +/-920 SQ.M AREA HARDSURFACED CONSTRUCTION AREA FOR 1.00M ALL AROUND
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

F. COMMUNITY FACILITY:
- CONSTRUCT 1 CONCESSION/WASHROOM/COMMUNITY USE BUILDING OF +/-203 SQ.M AREA C/W ALL NECESSARY UTILITIES' INSTALLATIONS AND CONNECTIONS
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

G. EXISTING PARKING AREA UPGRADING:
- REMOVE +/-303 WOOD BUMPER POSTS AND HAUL OFF SITE
- GRADE, LEVEL AND COMPACT +/-2960 SQ.M EXISTING GRAVEL AREA TO DESIGN SUBGRADE. ADJUST ALL EXISTING MANHOLES AS REQUIRED TO NEW GRADES
- CONSTRUCT +/-370 LIN.M OF CONCRETE CURB AND GUTTER AS PER SP103A
- CONSTRUCT +/-2960 SQ.M PAVED PARKING AREA WITH 75MM DEPTH TYPE ACR ASPHALT
- PAINT LINES TO IDENTIFY +/-100 PARKING STALLS
- INSTALL 2 PARKING LOT LIGHTING STANDARDS C/W +/-132 LIN.M UG POWER AND ALL NECESSARY CONNECTIONS
- REFURBISH AND SOD +/-548 SQ.M AREA HARDSURFACED CONSTRUCTION AREA FOR 1.00M ALL AROUND
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

H. SITE LANDSCAPING AND PLANTING:
- PLANT +/-82 DECIDUOUS TREES OF 60MM CALIPER AS PER SP401A
- PLANT +/-30 CONIFEROUS TREES OF 2.50M HEIGHT AS PER SP401A

2001 DESIGN PROGRAM

PROGRAM NAME : PARK DEVELOPMENT
PROGRAM NUMBER :
PROJECT NAME : CASTLE DOWNS PARK
PROJECT NUMBER : 6284
REQUESTED BY : CASTLE DOWNS RECREATION SOCIETY, COMMUNITY SERVICES, S. BERRY AND D. HOWELL
PROJECT FUNDING : COST SHARED WITH CASTLE DOWNS RECREATION SOCIETY
IMPLEMENTATION BY : COMMUNITY SERVICES DEPARTMENT AND CASTLE DOWNS RECREATION SOCIETY
INSPECTION BY : COMMUNITY SERVICES DEPARTMENT AND CASTLE DOWNS RECREATION SOCIETY
MAINTENANCE BY : COMMUNITY SERVICES DEPARTMENT AND CASTLE DOWNS RECREATION SOCIETY
C.C.C.'S AND F.A.C.'S BY : COMMUNITY SERVICES DEPARTMENT AND CASTLE DOWNS RECREATION SOCIETY
BUDGET : TO BE DETERMINED

PROGRAM STATEMENT : THE PROJECT PROPOSES TO RE-ALIGN EXISTING SPORTFIELDS ON SITE TO COMPLY WITH THE "1990 SPORTFIELDS STANDARDS" GUIDELINES REQUIREMENTS. THE RE-ALIGNMENT BECAME NECESSARY BECAUSE OF THE IMPACT OF THE YMCA DEVELOPMENT AND WILL ELIMINATE UNSAFE PLAYING CONDITIONS AND WILL SATISFY THE NEEDS OF BOTH SCHOOL BOARDS, THE COMMUNITY, USER GROUPS AND THE DEPARTMENT REGARDING SPORTSFIELDS USE ON THE SITE. ADDITIONALLY, PICNIC AREAS DEVELOPMENT, SKATEPARK DEVELOPMENT, PARKING, LINKAGES, LANDSCAPING, AND PLANTING ARE ALSO PROPOSED.

DESIGN PROGRAM : THE FOLLOWING SPORTFIELDS ARE SUGGESTED FOR THE SITE:
- 1-91M (300') RADIUS BALL DIAMOND (EXISTING FENCED HOME BASE SITE)
- 3-146M X 59M/100M X 64M (480' X 195'/330' X 210') COMBINATION FOOTBALL/SOCCER FIELDS
- 2-100M X 64M (330' X 210') SOCCER FIELDS
- 1-84M (275') RADIUS BALL DIAMOND
- 2-84M (275') RADIUS WITH 76M (250') FOUL LINES BALL DIAMONDS
- 1-69M (225') RADIUS WITH 61M (200') FOUL LINES BALL DIAMOND
- 1-ATHLETIC FACILITY C/W 8-LANE RUNNING TRACK AND ALL REQUIRED JUMP PITS AND THROWING AMENITIES AND WITH BLEACHERS
- 1-8 COURT TENNIS FACILITY
- 1-PAVED AREA FOR 4 FULL-SIZED 15M X 27M (50' X 90') BASKETBALL COURTS
- 1-HARDSURFACED SKATEPARK C/W BOWL AND STREET-STYLE AMENITIES
- 1-GAZEBO STRUCTURE
- 1-SLIDING HILL DEVELOPMENT C/W VIEWPOINT OPPORTUNITIES
- 2-PAVED PARKING AREA DEVELOPMENTS FOR +/-125 VEHICLES C/W CURBS AND GUTTERS, LIGHTING AND MECHANICAL DRAINAGE AS REQUIRED
- PICNIC AREA DEVELOPMENT C/W PICNIC TABLES, CAMP STOVES AND ENHANCEMENTS SUCH AS WASHROOM/CONCESSION FACILITIES
- PAVED AND LIGHTED WALKWAY SYSTEM DEVELOPMENT
- LANDSCAPING, PLANTING AT +/-70 TREES PER LANDSCAPABLE HECTARE, AND FURNITURE AMENITIES INSTALLATION
- CONVERSION OF EXISTING GRAVELLED PARKING LOT TO PAVED FACILITY FOR +/-100 VEHICLES

PRELIMINARY CONSTRUCTION PROGRAM :

A. SPORTSFIELDS:
- REMOVE 5-10-15-10 CANOPY BACKSTOPS. WHERE POSSIBLE, RE-USE CHAINLINK MESH MATERIAL AND METAL POSTS FOR NEW BACKSTOP LOCATIONS ON SITE. HAUL ALL REMAINING MATERIALS OFF SITE
- REMOVE 5 HOME PLATES. STORE 4 ON SITE FOR RE-USE ELSEWHERE ON SITE. HAUL 1 OFF SITE
- REMOVE 5 SETS OF PLAYERS' BENCHES. STORE 4 SETS ON SITE FOR RE-USE ELSEWHERE. HAUL 1 SET OFF SITE
- REMOVE 3 SETS OF 7315 X 2438 (24' X 8') SOCCER GOAL POSTS AND HAUL 1 SET OFF SITE. REMAINING 2 SETS TO BE RE-USED IN NEW LOCATIONS ELSEWHERE ON SITE
- REMOVE 3 SETS OF 7315 X 2438 (24' X 8') COMBINATION FOOTBALL/SOCCER GOAL POSTS AND STORE ON SITE FOR RE-USE IN NEW LOCATIONS ELSEWHERE ON SITE
- INSTALL 4-20-20-20 CANOPY BACKSTOPS AS PER SD202A. RE-USE FENCING MATERIALS FROM FROM REMOVALS AS DEEMED APPROPRIATE BY PROJECT MANAGER. OPTION EXISTS TO SHALE ENTIRE INFIELD AREA OF EACH DIAMOND
- INSTALL 4 HOME PLATES AS PER SD207. HOME PLATES RELOCATED FROM ELSEWHERE ON SITE
- INSTALL SHALE TO DEPTH OF 150MM FOR 3M RADIUS AROUND EACH HOME PLATE (+/-28 SQ.M SHALE REQUIRED FOR EACH). (+/-17 CU.M SHALE REQUIRED IN TOTAL FOR ALL 4 HOME PLATES). ALL EXCAVATED MATERIAL TO BE HAULED OFF SITE
- INSTALL 4 SETS OF PLAYERS' BENCHES AS PER SD207. PLAYERS' BENCHES RELOCATED FROM ELSEWHERE ON SITE
- INSTALL SHALE TO DEPTH OF 150MM FOR EACH PLAYERS' BENCH (+/-13.5 SQ.M FOR EACH BENCH) (+/-16 CU.M TOTAL SHALE REQUIRED FOR ALL THE 8 INSTALLED BENCHES. ALL EXCAVATED MATERIAL TO BE HAULED OFF SITE
- INSTALL 3 SETS OF 7315 X 2438 (24' X 8') COMBINATION FOOTBALL/SOCCER GOAL POSTS AS PER SD201. GOAL POSTS RELOCATED FROM ELSEWHERE ON SITE. GOAL POSTS REFURBISHED AND PAINTED PRIOR TO RE-INSTALLATION
- INSTALL 3 SETS OF 7315 X 2438 (24' X 8') SOCCER GOAL POSTS AS PER SD201. GOAL POSTS RELOCATED FROM ELSEWHERE ON SITE. GOAL POSTS REFURBISHED AND PAINTED PRIOR TO RE-INSTALLATION
- REMOVE AND REPLANT ELSEWHERE ON SITE +/-26 CONIFEROUS TREES OF 100MM DBH AS PER SP401A
- REMOVE AND REPLANT ELSEWHERE ON SITE +/-8 DECIDUOUS TREES OF 100MM CALIPER AS PER SP401A
- REMOVE AND REPLANT ELSEWHERE ON SITE +/-4 DECIDUOUS TREES OF 50MM CALIPER AS PER SP401A
- REMOVE AND REPLANT ELSEWHERE ON SITE +/-8 CONIFEROUS SHRUBS OF +/-1M HEIGHT AS PER SP400A
- GRADE, LEVEL AND SEED +/-10000 SQ.M AREA (AREA STRIPPED TO DESIGN SUBGRADE TO ALLOW FOR FOR TOPSOIL AND SEED INSTALLATION). +/-9378 CU.M MATERIAL TO BE HAULED OFF SITE OR USED TO CONSTRUCT SLIDING HILL AREA. SEED TO BE PLACED ON 150MM TOPSOIL DEPTH (PLUS 15% FOR SETTLEMENT)

SLIDING HILL AND SKATEPARK AREA:
- GRADE, LEVEL AND SEED +/-13000 SQ.M AREA (AREA STRIPPED TO DESIGN SUBGRADE TO ALLOW FOR TOPSOIL AND SEED INSTALLATION). +/-1635 CU.M FILL MATERIAL REQUIRED (TO BE OBTAINED FROM SPORTSFIELDS' CONSTRUCTION EXCESS). SEED TO BE PLACED ON 150MM TOPSOIL DEPTH (PLUS 15% FOR SETTLEMENT)

THEREFORE +/-7743 CU.M EXCAVATED MATERIAL TO BE HAULED OFF SITE FOR SPORTSFIELDS AND SLIDING HILL/SKATEPARK AREAS DEVELOPMENT
- CONSTRUCT 8-COURT TENNIS FACILITY C/W ALL NECESSARY UTILITIES AS PER SD211 AND SD211A ALL EXCAVATED MATERIALS FOR THE INSTALLATION TO BE HAULED OFF SITE
- CONSTRUCT +/-2660 SQ.M ASPHALT AREA (50MM TYPE ACR ASPHALT ON 150MM COMPACTED GRAVEL BASE) FOR 4 FULL-SIZED BASKETBALL COURT INSTALLATIONS C/W STANDARDS AND ALL PAINT MARKINGS AS PER SP317 AND SP318. ALL EXCAVATED MATERIAL TO BE HAULED OFF SITE
- CONSTRUCT 1-400M 8-LANE ALL WEATHER SURFACE ATHLETIC TRACK (AS PER SOUTH SIDE ATHLETIC GROUNDS' C/W ALL JUMP PITS AND FIELD EVENT REQUIREMENTS, IRRIGATION SYSTEM AND ALL NECESSARY UTILITIES' INSTALLATIONS AND WITH 15 SETS OF 5-ROW METAL BLEACHERS
- PLANT +/-41 DECIDUOUS TREES OF 60MM CALIPER AS PER SP401A
- PLANT +/-41 CONIFEROUS TREES OF 2.50M HEIGHT AS PER SP401A
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

B. WALKWAYS:

(1) EAST-WEST CONNECTION FROM WALKWAY R.O.W. TO 113A STREET:
- CONSTRUCT AS PER SP101A/C/D +/-950 LIN.M OF 1.5M WIDE CONCRETE WALKWAYS, VIEWPOINTS, PLAZAS, AND SEATING AREAS. +/-2576 SQ.M TOTAL CONCRETE AREAS TO BE CONSTRUCTED. ALL RELATED EXCAVATION MATERIAL TO BE HAULED OFF SITE. NOTE: OVEREXCAVATION TO SUB-BASE MAY BE REQUIRED
- CONSTRUCT 2-WOOD FOOTBRIDGES OF 22 LIN.M TOTAL LENGTH AS PER SP210B
- SUPPLY AND INSTALL +/-23 WALKWAY LIGHTS C/W +/-950 LIN.M UG POWER AND ALL NECESSARY CONNECTIONS
- SUPPLY AND INSTALL +/-7 BENCHES AS PER SD429C ONTO CONCRETE PAD AREAS
- SUPPLY AND INSTALL +/-4 PICNIC TABLES AS PER SD428C ONTO CONCRETE PAD AREAS
- SUPPLY AND INSTALL +/-4 TRASH UNITS AS PER SD451 ONTO CONCRETE PAD AREAS
- PLANT +/-111 DECIDUOUS TREES OF 60MM CALIPER AS PER SP401A
- PLANT +/-21 CONIFEROUS TREES OF 2.50M HEIGHT AS PER SP401A
- REFURBISH AND SOD +/-985 SQ.M AREA WALKS AND PADS CONSTRUCTION FOR 0.5M EITHER SIDE
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

(2) REMAINING WALKWAYS DEVELOPMENT:
- CONSTRUCT AS PER SP101A/C/D +/-1272 LIN.M OF 1.5M WIDE CONCRETE WALKWAYS, VIEWPOINTS, PLAZAS, AND SEATING AREAS. +/-2313 TOTAL SQ.M CONCRETE AREAS TO BE CONSTRUCTED. ALL RELATED EXCAVATION MATERIAL TO BE HAULED OFF SITE. NOTE: OVEREXCAVATION TO SUB-BASE MAY BE REQUIRED
- SUPPLY AND INSTALL +/-31 WALKWAY LIGHTS C/W +/-1220 LIN.M UG POWER AND ALL NECESSARY CONNECTIONS
- SUPPLY AND INSTALL 1 BENCH AS PER SD429C ONTO CONCRETE PAD AREA
- SUPPLY AND INSTALL 1 TRASH UNIT AS PER SD451 ONTO CONCRETE PAD AREA
- PLANT +/-83 DECIDUOUS TREES OF 60MM CALIPER AS PER SP401A
- PLANT +/-14 CONIFEROUS TREES OF 2.50M HEIGHT AS PER SP401A
- REFURBISH AND SOD +/-1405 SQ.M AREA WALKS AND PADS CONSTRUCTION FOR 0.5M EITHER SIDE
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

C. PICNIC AREA DEVELOPMENT:
- CONSTRUCT AS PER SP101D +/-117 SQ.M OF CONCRETE PLAZA AREAS FOR FURNITURE AND AMENITIES INSTALLATIONS. ALL RELATED EXCAVATION MATERIAL TO BE HAULED OFF SITE. NOTE: OVEREXCAVATION TO SUB-BASE MAY BE REQUIRED
- SUPPLY AND INSTALL +/-3 CAMP STOVES AS PER SD405 ONTO CONCRETE PAD AREAS
- SUPPLY AND INSTALL 8 PICNIC TABLES AS PER SD428C ONTO CONCRETE PAD AREAS
- SUPPLY AND INSTALL 4 TRASH UNITS AS PER SD451 ONTO CONCRETE PAD AREAS
- PLANT +/-8 DECIDUOUS TREES OF 60MM CALIPER AS PER SP401A
- REFURBISH AND SOD +/-87 SQ.M AREA PADS' CONSTRUCTION FOR 1M ALL AROUND
- SUPPLY SURVEY REQUIREMENTS
- SUPPLY MATERIALS TESTING REQUIREMENTS
- SUPPLY INSPECTION REQUIREMENTS

Oct 2001	YMCA, PARKING LOT & SIDEWALKS ADDED BY: DJW
Sept 1998	PARKING LOT, PLAYGROUND, HARD SURFACES & WATERPARK ADDED BY: DJW

Revisions

THE CITY OF Edmonton PARKS AND RECREATION

CASTLE DOWNS PARK (Castle Downs Road & 153 Avenue)
Public High School
Catholic High School
Castle Downs Recreation Centre
Castle Downs YMCA

SITE DEVELOPMENT
Preliminary Master Plan

Landscape Arch. fg	Supervisor Drafting	Date 28-11-01	Drawing No. 7 / 7
Grading Drainage	Supervisor Design	Scale 1:1000	
Drawn fg	Director — Date —	File No. SD-01-01	
		Design File Name cast1lsd.dgn	

Reference File Name(s) castlbex.dgn

THE CITY OF Edmonton COMMUNITY SERVICES
APPROVED FOR CIRCULATION ONLY
DATE:
BY:

NAD83 North American Datum