

1 MAIN FLOOR SLAB PLAN
SCALE 1:50

- NOTES:**
- SEE ARCHITECTURAL FOR DRAIN LOCATIONS, SLOPES & INTERIOR WALL LOCATIONS.
 - ALL COLUMNS ARE TO BE PRESSURE TREATED SPF #2 OR BETTER.
 - CONCRETE BLOCK WALLS SHOWN THUS
 - SAW CUTS SHOWN THUS
 - INSTALL HURRICANE CLIPS (BY SUPPLIER)

FOUNDATION & BUILDING WILL BE SUSCEPTIBLE TO FROST HEAVE DURING WINTER MONTHS.
DIFFERENTIAL MOVEMENT MAY OCCUR & CAUSE MOVEMENT/CRACKING OF WALLS & FLOOR SLAB.

TYP. SLAB
203 CONCRETE SLAB
r/w 15M @ 400 o.c. E.W. BOTTOM & 10M @ 300 o.c. E.W. TOP
6 MIL POLY
MIN. 600 COMPACTED GRANULAR BASE
SITE PREP AS PER NOTES
NOTE: BROOM FINISH EXTERIOR PORTION OF SLAB
TOOLED CONTROL JOINTS AS SHOWN

STRUCTURAL GENERAL NOTES

- GENERAL SPECIFICATIONS, NATIONAL BUILDING CODE OF CANADA, 2010.
CONTRACTOR TO READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL AND EQUIPMENT MANUFACTURER'S DRAWINGS.
UNLESS OTHERWISE NOTED, TYPICAL DETAILS APPLY THROUGHOUT.
- CAST-IN-PLACE CONCRETE**
- PERFORM CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH CAN/CSA-A23.1 - "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION"
 - CEMENT TO CSA A5 - "PORTLAND CEMENTS" AND AGGREGATES TO CAN/CSA-A23.1 - "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION"
 - FOR ALL CONCRETE IN CONTACT WITH SOIL USE SYMBOL 50 CEMENT.
 - CONCRETE TO BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

LOCATION	STRENGTH f'c (MPa)	CEMENT SYMBOL	CLASS OF EXPOSURE	AGGREG. MAX. (mm)	SLUMP (mm)	TOTAL AIR%
SLAB-ON-GRADE	30	50	F-2	20	50 to 100	4 to 7
GROUT FOR MASONRY CORE FILL, BOND BEAMS	20	10	-	10	225-275	4 to 7

MAXIMUM FREE WATER/CEMENT RATIO TO CAN/CSA-A23.1 TABLES 7, 8, 9, AND 10 FOR SPECIFIED CLASS OF EXPOSURE.

- REINFORCING STEEL**
- TO CSA STANDARD G.30.18, GRADE 400, PLAIN FINISH FOR ALL BARS UNLESS NOTED OTHERWISE. MINIMUM SPLICE FOR 10M BARS TO BE 450mm. MINIMUM LAP SPLICE FOR ALL OTHER BARS TO BE 36 BAR DIAMETER OR 700mm, WHICHEVER IS GREATER.
 - COLUMN TIES AND BEAM STIRRUPS SHALL CONFORM TO THE CURRENT CSA G.30.18, GRADE 300.
 - DETAIL CONCRETE REINFORCING STEEL IN ACCORDANCE WITH LATEST EDITION OF ACI 315 "STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES"
 - PERFORM CONCRETE REINFORCING WORK IN ACCORDANCE WITH CSA CAN3-A23.3 - "CODE FOR THE DESIGN OF CONCRETE STRUCTURES FOR BUILDINGS"

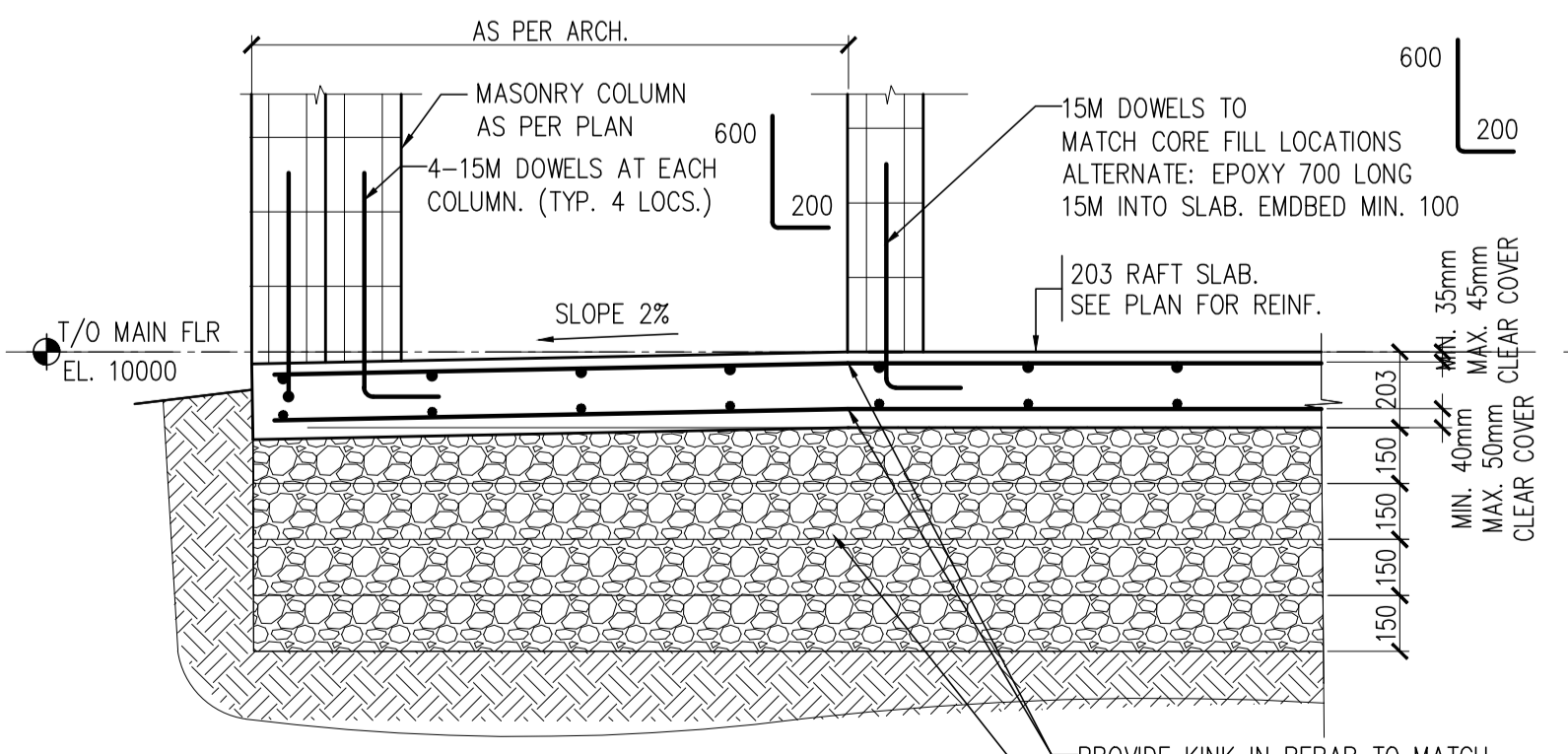
- SLAB-ON-GRADE (WITHIN FOOTPRINT OF EXISTING SLAB)**
- REMOVE THE EXISTING SLAB AND THICKENED EDGE AS PER ARCH DRAWINGS.
 - REMOVE ALL LOOSE MATERIAL AND EXISTING VOID FORM
 - REMOVE THE EXISTING EXTERIOR SLABS, ANY EXISTING PILES CAN BE ABANDONED IN PLACE.
 - EXCAVATE ALL SOIL TO ~600 BELOW TOP OF SLAB.
 - RE-COMPACT ALL LOOSE MATERIAL TO 98% STANDARD PROCTOR DENSITY (SPD) BEFORE BRINGING IN ANY FILL. ALL COMPACTION TESTING IS TO BE CARRIED OUT BY A GEOTECHNICAL ENGINEERING FIRM.
 - PROVIDE MIN. 600 COMPACTED GRANULAR FILL BENEATH REINF. CONC. SLAB. ADDITIONAL COMPACTED GRANULAR FILL TO BE ADDED AS REQUIRED TO ACHIEVE SPECIFIED SLAB ELEVATION. SEE ARCHITECTURAL SPEC AND DRAWINGS FOR ADDITIONAL INFORMATION AND SLAB ELEVATION. COMPACT FILL TO 98% SPD.
 - FILL IS TO BE PLACED IN 150mm LIFTS, EACH LIFT BEING COMPACTED TO 98% SPD BEFORE PLACEMENT OF NEXT LIFT. SEE ARCHITECTURAL SPEC AND DRAWINGS FOR ADDITIONAL INFORMATION AND SLAB ELEVATION.
 - CAST SLAB ON 6mil POLYETHYLENE VAPOUR BARRIER.
 - SAW CUT SLAB AS LOCATED ON DRAWINGS TO DEPTH OF 30mm WITHIN 24 HOURS OF CASTING. CAULK WITH JOINT SEALANT.
 - DO NOT CAST SLAB ON DESICCATED, FROZEN OR WET SOIL OR BASE.
 - FINISH AS PER ARCH DRAWINGS

- SLAB ON GRADE (OUTSIDE FOOTPRINT OF EXISTING SLAB)**
- EXCAVATE ALL SOIL ~600 BELOW TOP OF EXISTING SLAB & PROVIDE MIN. 600 COMPACTED GRANULAR FILL BENEATH NEW REINF. CONC. SLAB. ADDITIONAL COMPACTED GRANULAR FILL TO BE ADDED AS REQUIRED TO ACHIEVE CORRECT SLAB ELEVATION.
 - WHERE MORE THAN 150mm OF GRANULAR FILL IS REQUIRED, FILL IS TO BE PLACED IN 150mm LIFTS, EACH LIFT BEING COMPACTED BEFORE PLACEMENT OF NEXT LIFT. SEE ARCHITECTURAL SPEC AND DRAWINGS FOR ADDITIONAL INFORMATION AND SLAB ELEVATION.
 - CAST SLAB ON 6mil POLYETHYLENE VAPOUR BARRIER.
 - SAW CUT SLAB AS LOCATED ON DRAWINGS TO DEPTH OF 30mm WITHIN 24 HOURS OF CASTING. CAULK WITH JOINT SEALANT.
 - DO NOT CAST SLAB ON DESICCATED, FROZEN OR WET SOIL OR BASE.
 - FINISH AS PER ARCH DRAWINGS

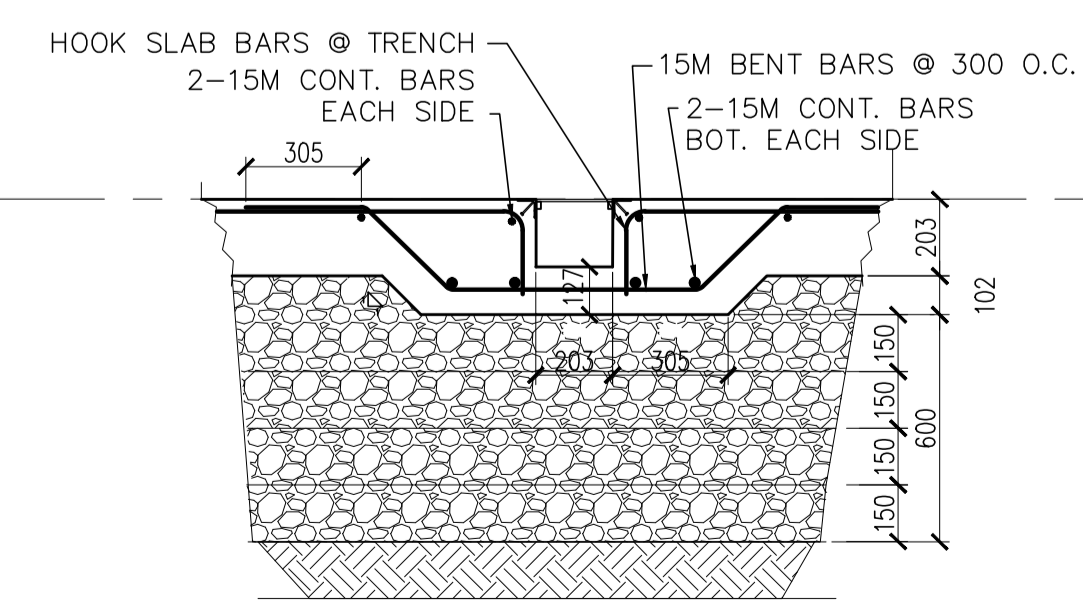
- REINFORCED MASONRY**
- ALL CELLS CONTAINING REINFORCING SHALL BE COMPLETELY FILLED WITH GROUT IN LIFTS NOT EXCEEDING 3.0m.
 - PROVIDE ALL CLEANOUTS AT THE BOTTOM OF ALL CELLS TO BE FILLED WITH GROUT. ALL OVERHANGING MORTAR OR DEBRIS SHALL BE REMOVED FROM INSIDE OF SUCH CELLS BEFORE GROUTING.
 - GROUT SHALL BE CONSOLIDATED BY VIBRATING DURING POURING.
 - DESIGN AND CONSTRUCTION TO CSA S304.
 - CONCRETE BLOCK MINIMUM STRENGTH = 20MPa.
 - MORTAR TYPE S.

- PREFABRICATED WOOD TRUSSES**
- TRUSSES TO BE FACTORY MANUFACTURED WITH STRUCTURAL WOOD CHORDS AND WOOD MEMBERS, CONNECTED AT PANEL POINTS WITH PROPRIETARY CONNECTORS.
 - TRUSSES TO BE DESIGNED IN ACCORDANCE WITH CSA STANDARD Q86 FOR THE SUPERIMPOSED LOADS INDICATED ON THE DRAWINGS.
 - SHOP DRAWINGS TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN.
 - TRUSS GABLE ENDS TO BE CONSTRUCTED w/ 38x140 P.T. BOTTOM PLATE & 38x140 STUDS @ 610c.c. AS PER ARCH DRAWINGS AND STRUCTURAL DRAWING S-2.

- INSPECTION & TESTING**
- CONCRETE TESTING SHALL BE CARRIED OUT BY AN INDEPENDENT TESTING AGENCY, ACCEPTABLE TO THE CONSULTANT, APPOINTED AND PAID FOR BY THE CONTRACTOR.
 - THE TESTING AGENCY SHALL BE RESPONSIBLE FOR SAMPLING, INITIAL CURING AND TRANSPORTING OF TEXT CYLINDERS TO THE LABORATORY.
 - NOTIFY THE CONSULTANT AND TESTING AGENCY AT LEAST 24 HOURS PRIOR TO EACH CONCRETE POUR.
 - PROVIDE FREE ACCESS TO ALL PORTIONS OF WORK AND COOPERATE WITH APPOINTED FIRM.
 - CONCRETE TESTING SHALL CONSIST OF THREE (3) TEST CYLINDERS TAKEN FOR EVERY 50 CUBIC METERS OR LESS OR EACH CLASS OF CONCRETE PLACED EACH DAY. ONE (1) CYLINDER TO BE TESTED AT 7 DAYS, THE REMAINING TWO (2) CYLINDERS TO BE TESTED AT 28 DAYS.
 - FOR CONCRETE WALKS, CURBS AND GUTTERS, THREE (3) CONCRETE TEXT CYLINDERS SHALL BE TAKEN FOR EVERY 75 CUBIC METERS OR LESS OF CONCRETE PLACED EACH DAY.
 - ONE (1) ADDITIONAL TEXT CYLINDER SHALL BE TAKEN DURING COLD WEATHER CONCRETING, AND BE CURED ON JOBSITE UNDER SAME CONDITIONS OF CONCRETE IT REPRESENTS.
 - ONE (1) SLUMP TEST AND ONE (1) AIR CONTENT TEST SHALL BE TAKEN FOR EACH SET OF TEST CYLINDERS TAKEN.
 - ONE (1) SLUMP TEST SHALL BE TAKEN BEFORE AND ONE (1) SLUMP TEST SHALL BE TAKEN AFTER THE ADDITION OF PLASTICIZER TO THE CONCRETE MIX.
 - CONCRETE TEST CYLINDERS SHALL BE TAKEN AFTER THE ADDITION OF PLASTICIZER TO THE CONCRETE MIX.
 - TESTING OF CONCRETE SHALL BE PERFORMED IN ACCORDANCE WITH CAN/CSA-A23.2.
 - TEST RESULTS SHALL BE ISSUED TO THE ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, OWNER AND READY-MIXED CONCRETE SUPPLIER. TEST REPORTS ARE TO BE NUMBERED CONSECUTIVELY BEGINNING WITH NUMBER ONE, AND IDENTIFY THE LOCATION OF THE CONCRETE PLACEMENT IN THE PROJECT.
 - REQUIRED RETESTING WILL BE PAID FOR BY THE CONTRACTOR.
 - THE CONSULTANT MAY ORDER ADDITIONAL TESTING ANY TIME EVEN THOUGH THE REQUIRED TESTS INDICATE THE STRENGTH REQUIREMENTS HAVE BEEN MET. IN THIS INSTANCE, THE OWNER WILL PAY FOR THOSE TESTS THAT MEET THE SPECIFIED REQUIREMENTS AND THE CONTRACTOR SHALL PAY FOR THOSE THAT DO NOT.
 - NON-DESTRUCTIVE METHODS FOR TESTING CONCRETE SHALL BE ACCORDING TO CCAN/CSA-A23.2.



2 SECTION
SCALE 1:20



3 TRENCH DRAIN DETAIL
SCALE 1:20

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PROFESSIONAL ENGINEER
17-04-21
YR. MN. DAY
SASKATCHEWAN
ISSUED FOR TENDER 17-04-21

NOTES:

- THIS PLAN WAS PREPARED FOR THE GOVERNMENT'S INTERNAL PURPOSES ONLY. THE GOVERNMENT DOES NOT WARRANT THAT THIS PLAN IS APPROPRIATE FOR ANY OTHER PURPOSE OR LOCATION. NEITHER THE MINISTER NOR THE GOVERNMENT ACCEPTS ANY RESPONSIBILITY FOR ANY LOSSES OR DAMAGES ARISING FROM ANYONE USING THIS PLAN. THE USER MUST ENSURE THAT ANYTHING BUILT FROM THIS PLAN IS ADEQUATE AND SAFE FOR THE USER'S PARTICULAR SITE CONDITIONS. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, ALL FOUNDATION, STRUCTURAL, SAFETY, AND ANY OTHER APPLICABLE REQUIREMENTS.
- THE USER SHALL ALSO ENSURE THAT THIS PLAN WILL SUIT THE PARTICULAR SITE AND COMPLY WITH ANY OTHER RELEVANT FEDERAL, PROVINCIAL, OR MUNICIPAL REGULATIONS AND CODES WHICH MAY APPLY AT THE USER'S SITE.
- THE LOCATION OF THE UNDERGROUND SERVICES AS SHOWN IS APPROXIMATE ONLY. OTHER UNKNOWN SERVICES MAY EXIST IN THE VICINITY. PLEASE CHECK WITH THE APPROPRIATE UTILITY COMPANY AND THE PARK/SITE MAINTENANCE SUPERVISOR OR REPRESENTATIVE.
- IT IS THE RESPONSIBILITY OF ANYONE USING THIS PLAN FOR DESIGN PURPOSES TO VERIFY ALL INFORMATION SHOWN ON THIS PLAN. IT IS THE USER'S RESPONSIBILITY TO IDENTIFY ANY UTILITY INFRASTRUCTURE.

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PROJECT
SERVICE CENTRE REPLACEMENT
MEADOW LAKE PROVINCIAL PARK
SANDY BEACH CAMPGROUND
MINISTRY OF PARKS, CULTURE AND SPORT
PARKS SERVICE BRANCH
2nd FLOOR 3211 ALBERT STREET
REGINA, SASKATCHEWAN
S4S 5W6
DRAWING
MAIN FLOOR SLAB PLAN
& GENERAL NOTES

SCALE AS NOTED A1 SHEET
PLOT APR. 21, 2017
FILE 3556C (REM 15-8676)
DATE APRIL, 2017
DESIGN D.B.
DRAWN N.N.

Ministry of Parks, Culture and Sport
MEADOW LAKE PROVINCIAL PARK SANDY BEACH CAMPGROUND
CAMPGROUND SERVICE CENTRE MAIN FLOOR SLAB PLAN & GENERAL NOTES
PLAN NO. Sheet 1 of 24
1008-30-F22-15C

DRAWING NO. **S-1**