



West Nipissing Ouest

GOULARD PARK

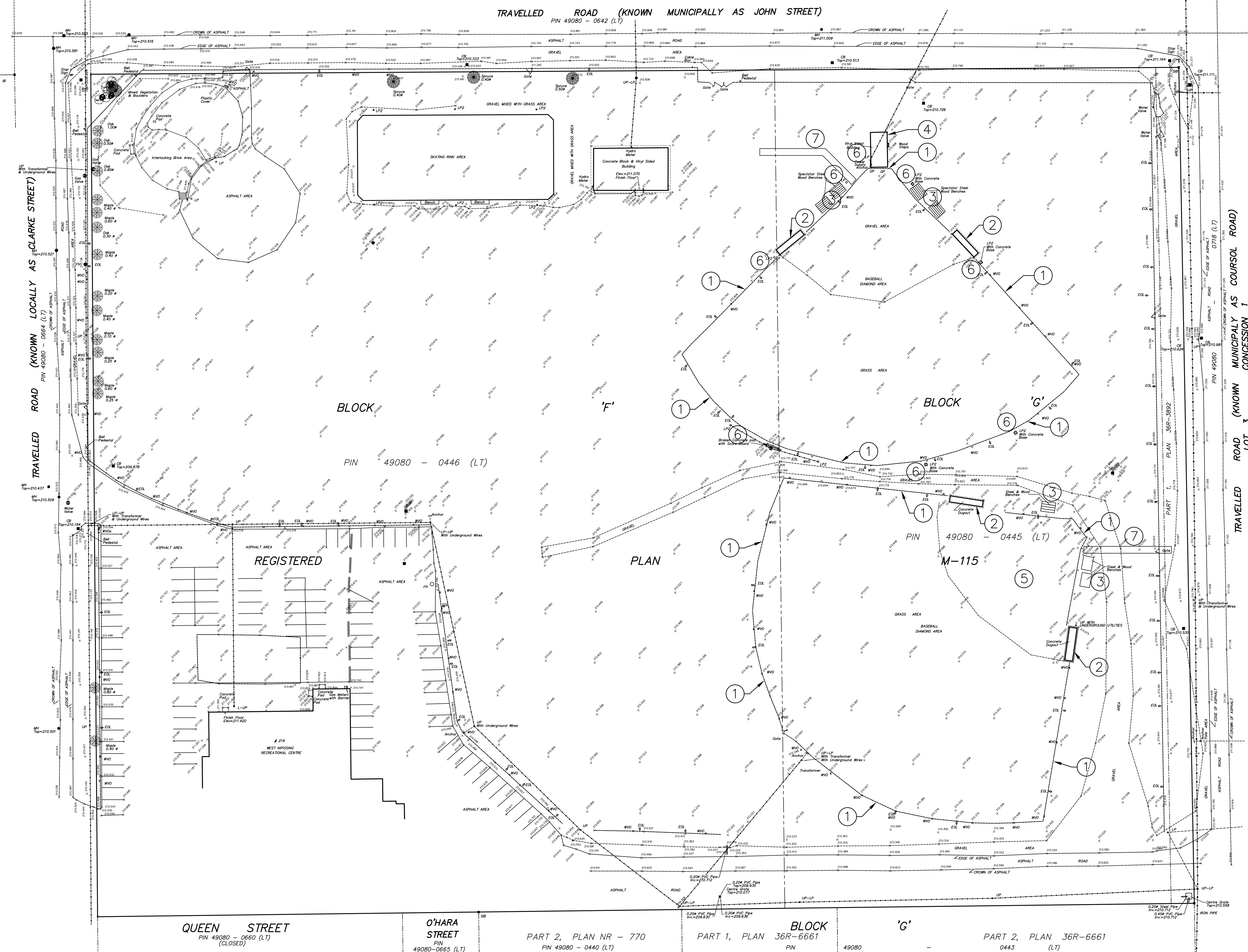
BASEBALL FIELD REDEVELOPMENT

STURGEON FALLS

#2026-014
(2521)

JULY 31, 2025
ISSUED FOR TENDER FEBRUARY 2, 2026

METRIC
DISTANCES & CO-ORDINATES
SHOWN ON THIS PLAN ARE IN
METRES AND CAN BE
CONVERTED TO FEET
BY DIVIDING BY 0.3048.

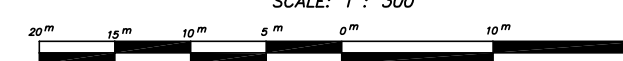


REMOVAL NOTES:

- ① EXISTING BASEBALL FIELD FENCING (INCLUDING BACKSTOP) TO BE REMOVED. ELECTRICAL OUTLETS AND WIRE TO BE REMOVED. EXISTING WATERLINES TO BE REMOVED AND DECOMMISSIONED.
- ② EXISTING MASONRY DUGOUTS AND CONCRETE SLAB ON GRADE TO BE REMOVED.
- ③ EXISTING STEEL FRAMED BLEACHERS TO BE REMOVED.
- ④ EXISTING WOOD FRAMED BUILDING AND CONCRETE BLOCK FOUNDATION TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR EXISTING ELECTRICAL DECOMMISSIONING.
- ⑤ REMOVE EXISTING SOD/TOPSOIL. PREP AND MAKE READY FOR NEW INFIELD CONSTRUCTION
- ⑥ EXISTING FIELD LIGHTING POLES TO REMAIN AND REPAINTED. EXISTING METAL HALIDE LIGHT FIXTURES TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR NEW LIGHT FIXTURE SPECIFICATIONS.
- ⑦ REMOVE EXISTING SOD/TOPSOIL FOR NEW WALKING PATH CONSTRUCTION.

PLAN OF SURVEY OF
PART OF BLOCK 'G'
AND
ALL OF BLOCK F
REGISTERED PLAN M-115

MUNICIPALITY OF WEST NIPISSING
DISTRICT OF NIPISSING
PAUL GOODRIDGE, OLS.



LEGEND:

- - DENOTES SURVEY MONUMENT FOUND.
- 1585 - DENOTES FLECHER DORLAND & MILLER LIMITED, OLS
- 1526 - DENOTES SIMPSON & OSBORNE SURVEYING INC., OLS
- 1124 - DENOTES HARRIS & HARRIS SURVEYING LTD., OLS
- 1104 - DENOTES P. A. BLACKBURN LIMITED, OLS
- P1 - DENOTES REGISTERED PLAN NO 91
- CB - DENOTES CONCRETE BOLLARD
- CB - DENOTES CATCH BASIN
- 1WV - DENOTES IRRIGATION WATER VALVE
- 1W - DENOTES MANHOLE
- SP - DENOTES STEEL POST FOR TRAFFIC CONTROL
- SRB - DENOTES STEEL PIPE WITH CONCRETE BOLLARD
- W - DENOTES WATER
- WVO - DENOTES WATER VALVE OUTLET AT FENCE
- WV - DENOTES WATER VALVE OUTLET AT FENCE
- LP-UP - DENOTES LAMP STANDARD AND UTILITY POLE
- UP - DENOTES UTILITY POLE
- LP - DENOTES LIGHT STANDARD
- LP2 - DENOTES LIGHT STANDARD WITH UNDERGROUND WIRING
- - DENOTES BOULDER
- - DENOTES CHAIN
- - DENOTES CHAIN
- - DENOTES OVERHEAD UTILITY WIRING

BEARING NOTE:
BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE SOUTH LIMIT OF BLOEM STREET
REGISTERED PLAN NO. 65, SHOWN HAVING A BEARING OF EAST

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SURVEYOR'S CERTIFICATE :
 I CERTIFY THAT:
 1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT,
 THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THE
 2. THE SURVEY WAS COMPLETED ON THE 4th DAY OF JANUARY, 2018.

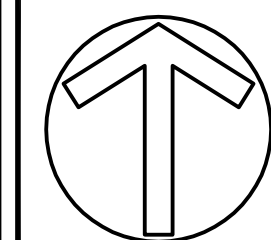
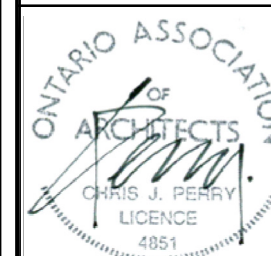
JANUARY 5, 2018
NORTH BAY, ONTARIO

GOODRIDGE GULET
PLANNING & SURVEYING LTD

FIELD	OFFICE	FILE
R. LARSON	D. GIBNET	441-17

DATE: AUGUST 7, 2025
FEBRUARY 2, 2026

REVISIONS :
ISSUED FOR TENDER
ISSUED FOR RE-TENDER



The Contractor shall verify all dimensions and report any inconsistencies to the Architect before proceeding with the work.

SUDBURY, ONTARIO

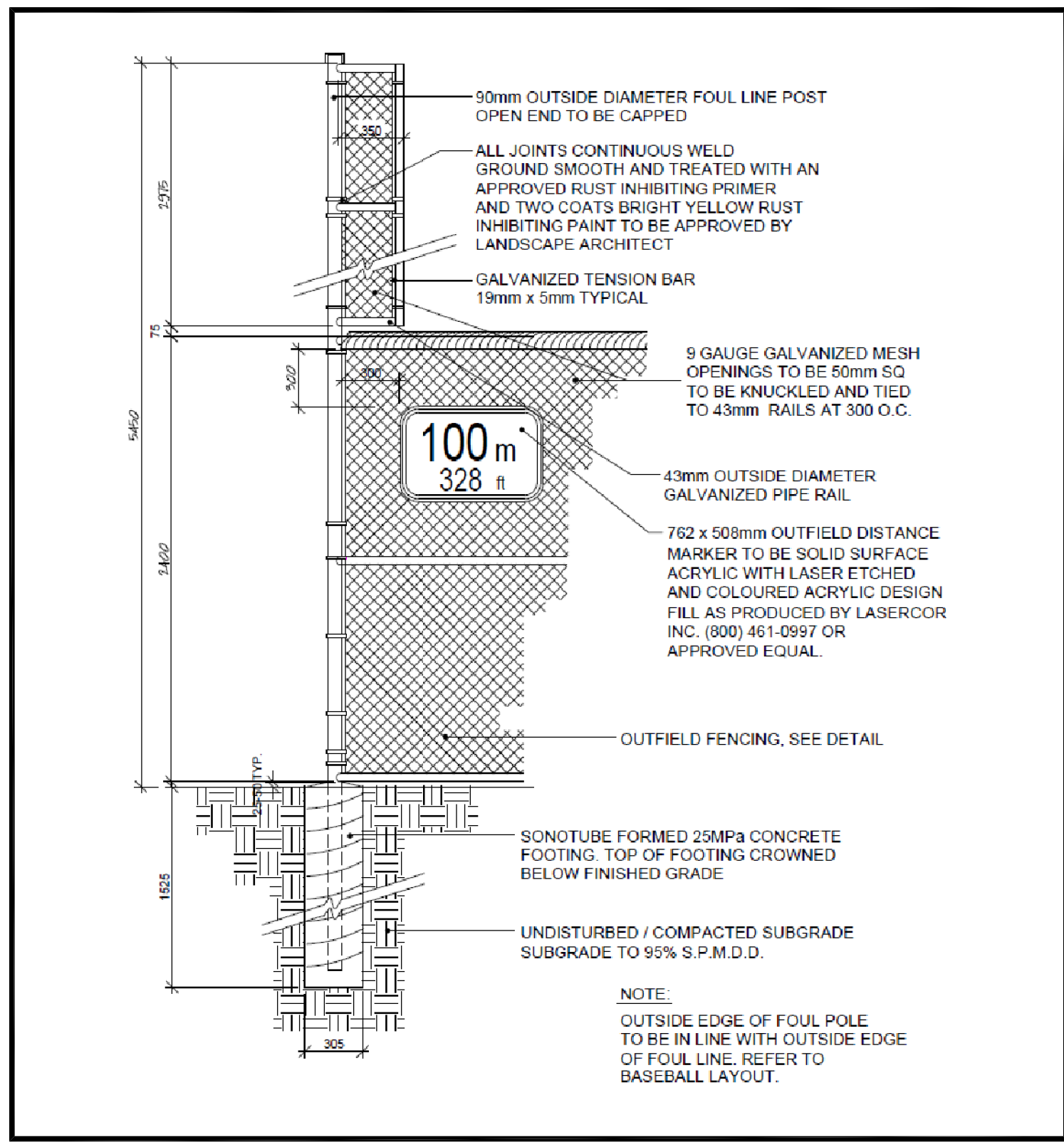
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WIN GOULARD PARK

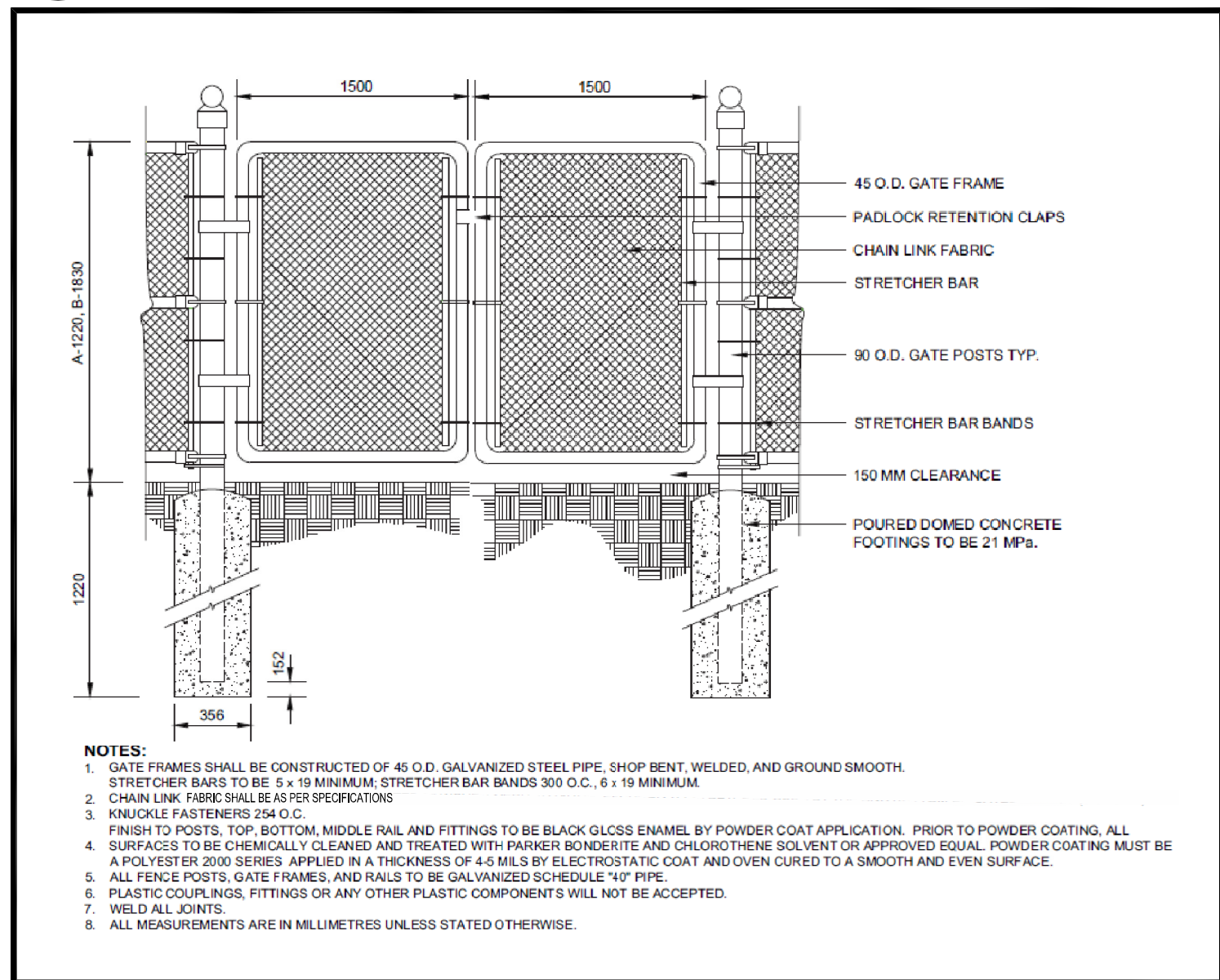
BASEBALL FIELD REDEVELOPMENT

EXISTING SITE PLAN / REMOVALS

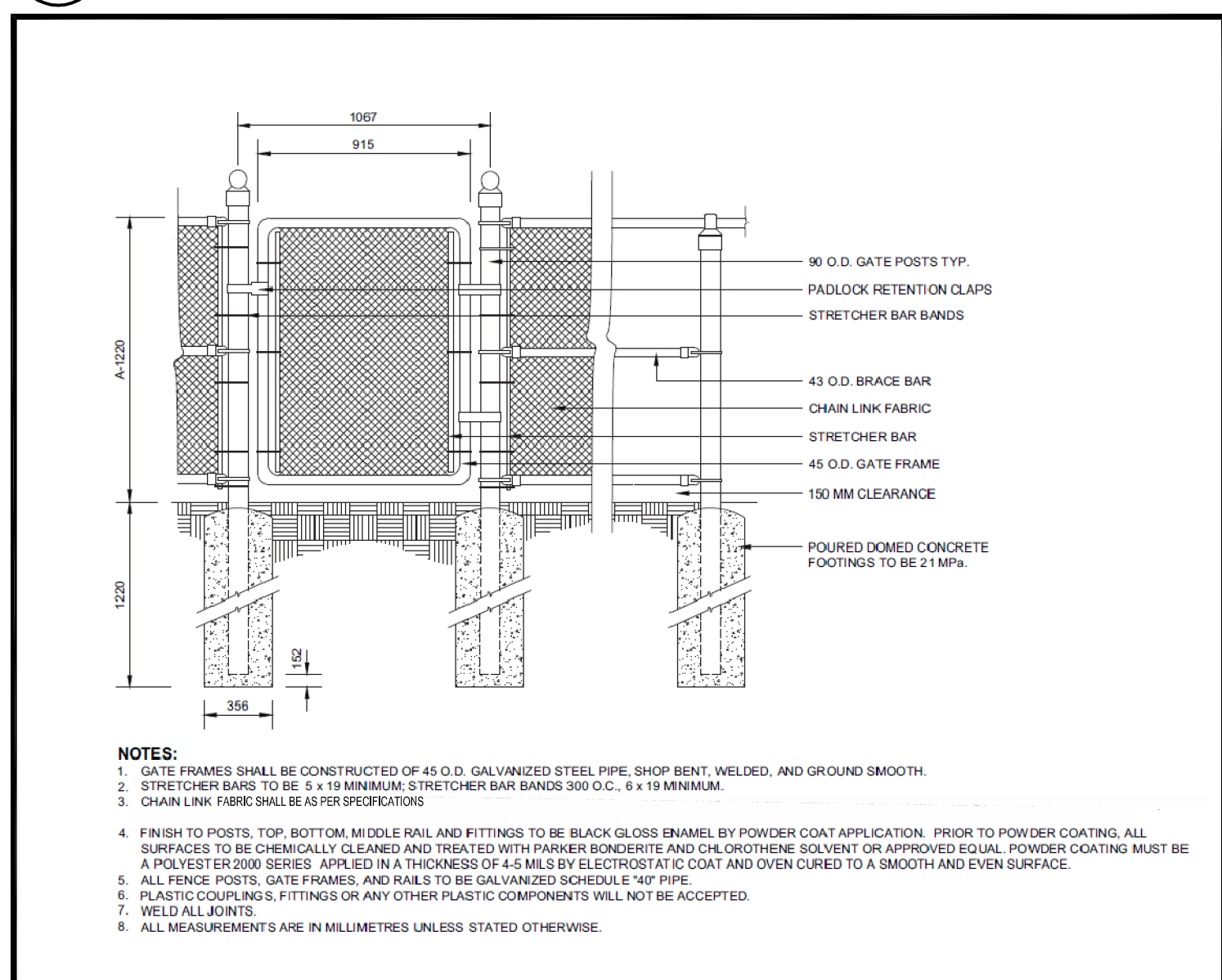
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6 FOUL LINE POST DETAIL
A002 NTS



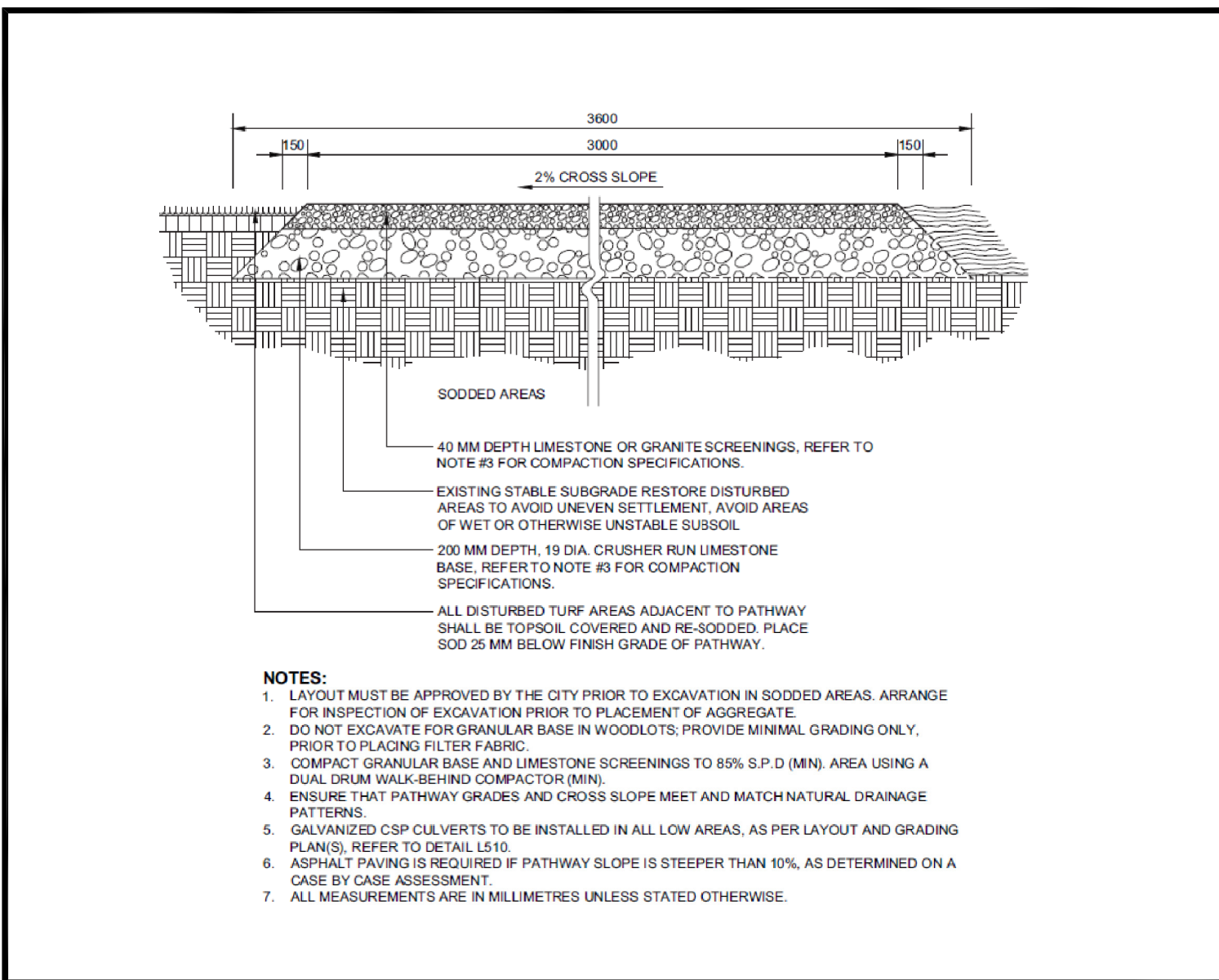
4 DOUBLE GATE DETAIL
A002 NTS



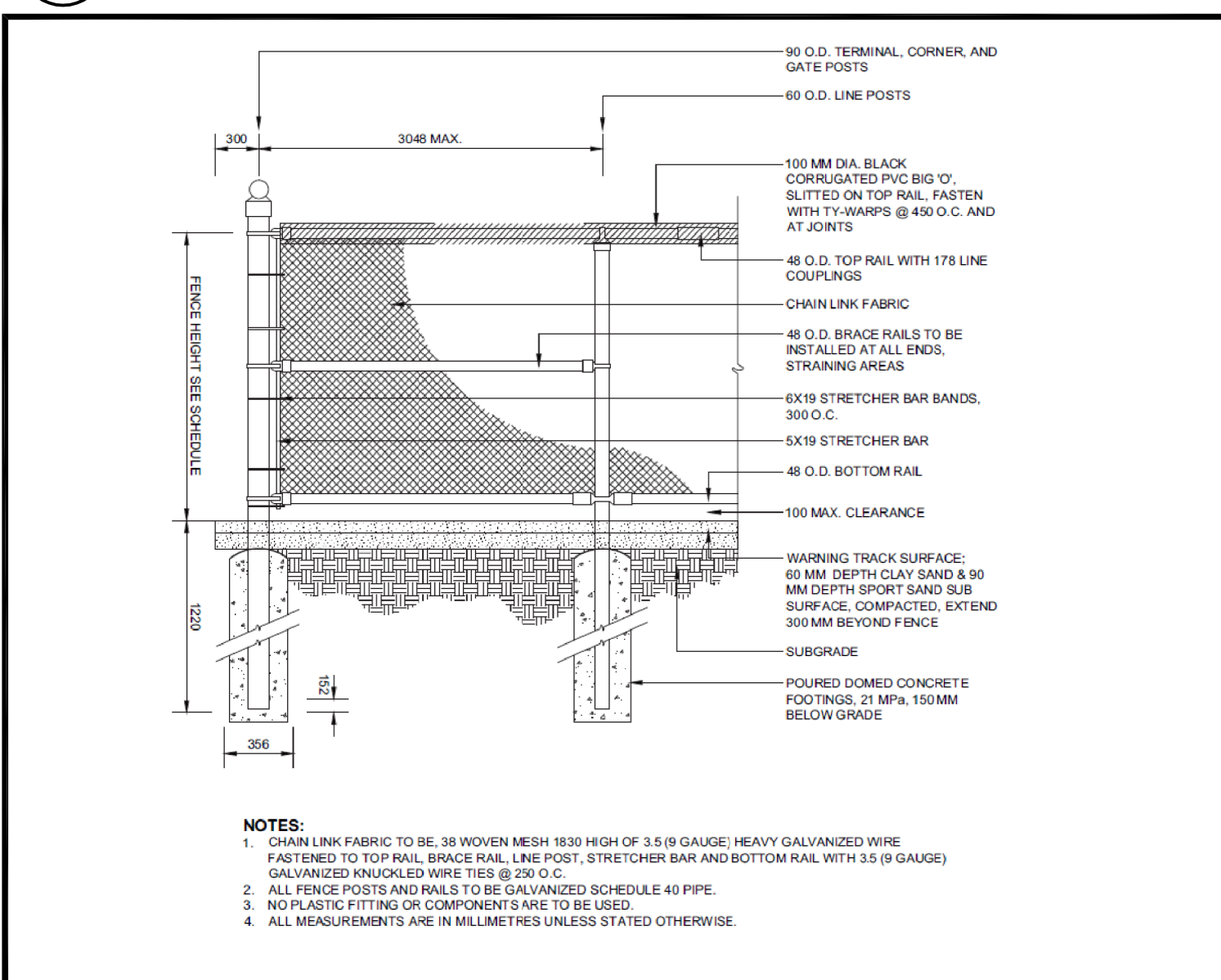
3 BASEBALL FIELD FENCE GATE DETAIL
A002 NTS

SEPARATE PRICE No 1: STEEL LIGHT POLES
SUPPLY THE LABOUR, MATERIALS AND EQUIPMENT NECESSARY FOR THE COMPLETE SUPPLY AND INSTALLATION OF EIGHT (8) 40 FOOT STEEL LIGHT POLES EQUAL TO NOVA POLE NRT 39 ROUND TAPERED STEEL POLE (11.9M 10" O.D., ROUND TAPERED POLE) C/W CROSS ARM FOR MAXIMUM 5 LIGHT FIXTURES.

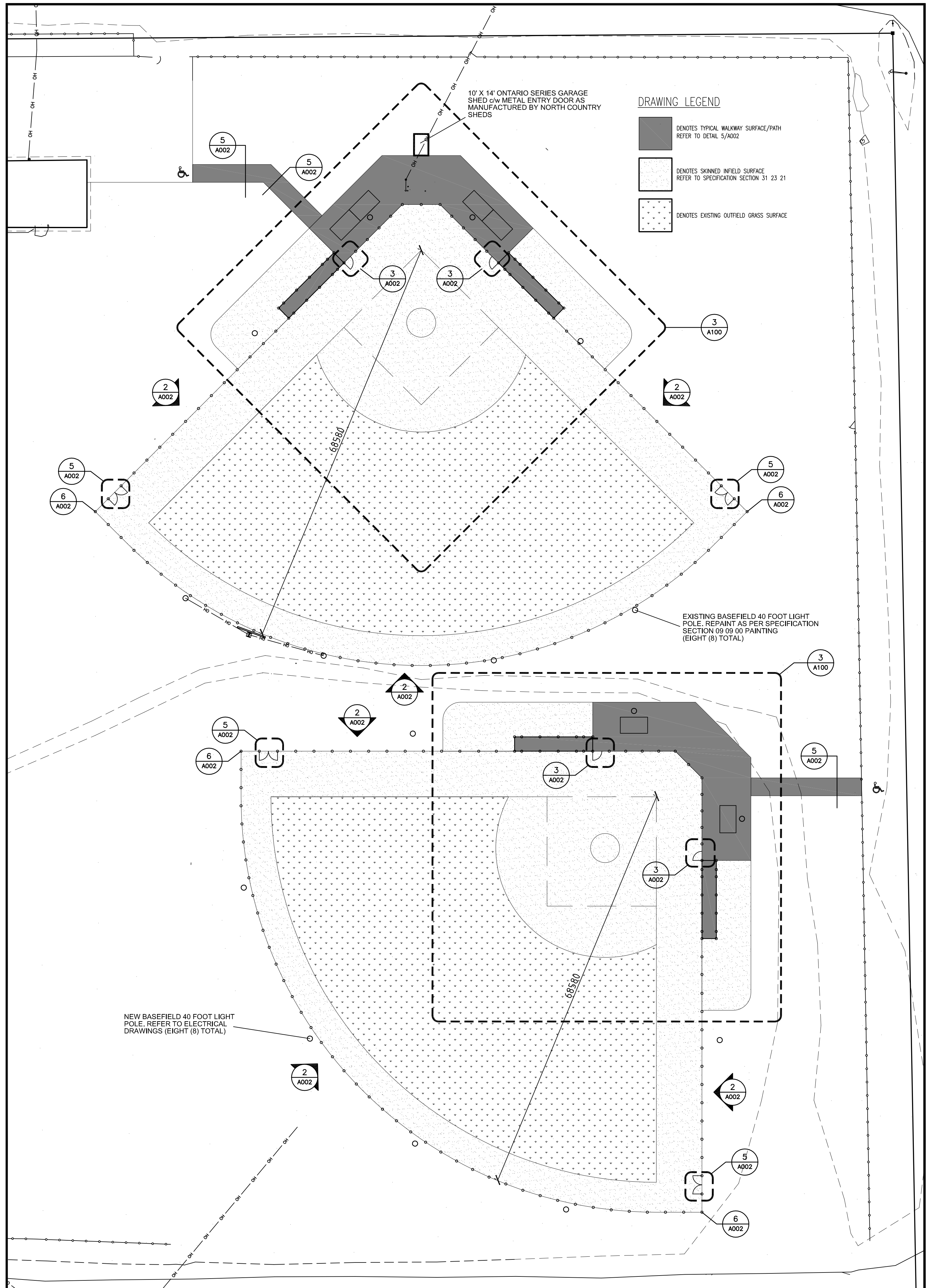
SEPARATE PRICE No 2: WOOD LIGHT POLES
SUPPLY THE LABOUR, MATERIALS AND EQUIPMENT NECESSARY FOR THE COMPLETE SUPPLY AND INSTALLATION OF EIGHT (8) 40 FOOT WOOD LIGHT POLES. WOOD UTILITY POLES SHALL BE MINIMUM CLASS 4 AS PER CAN/CSA 015-15 (R2024) WOOD UTILITY POLES C/W CCA (CHROMATED COPPER ARSENATE) PRESERVATIVE AS PER CAN/CSA-080 SERIES, SOUTHERN YELLOW PINE SPECIES C/W CROSS ARM FOR MAXIMUM 5 LIGHT FIXTURES.



5 TYPICAL WALKWAY PATH SECTION
A002 NTS



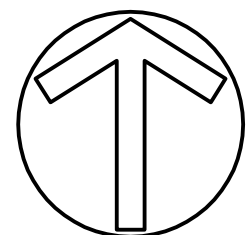
2 BASEBALL FIELD FENCE DETAIL
A002 NTS



1 BASEBALL FIELD NO 1 & NO 2 SITE PLAN
A002 NTS

DATE:
AUGUST 7, 2025
FEBRUARY 2, 2026

REVISIONS:
ISSUED FOR TENDER
ISSUED FOR RE-TENDER



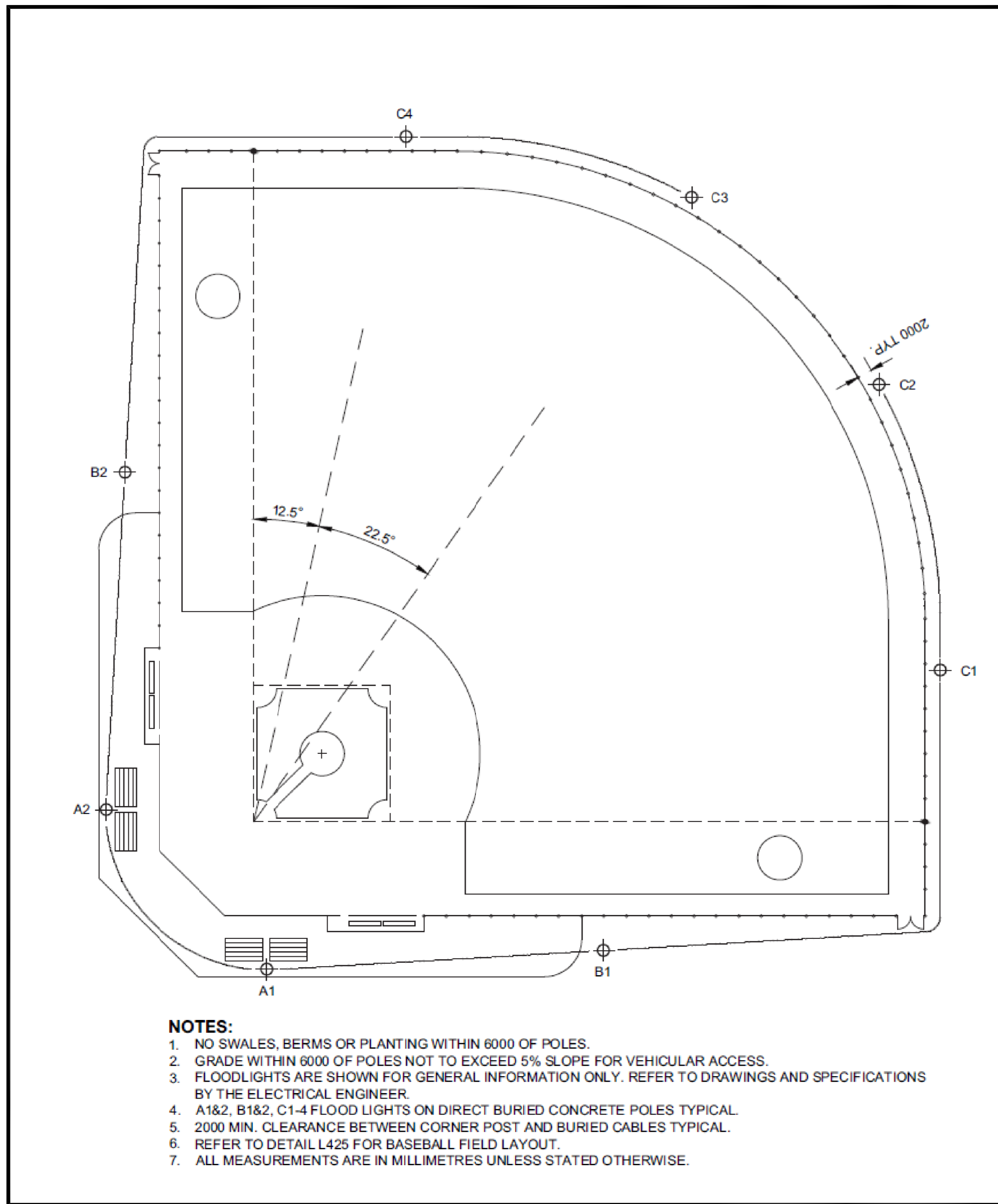
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SUDBURY, ONTARIO

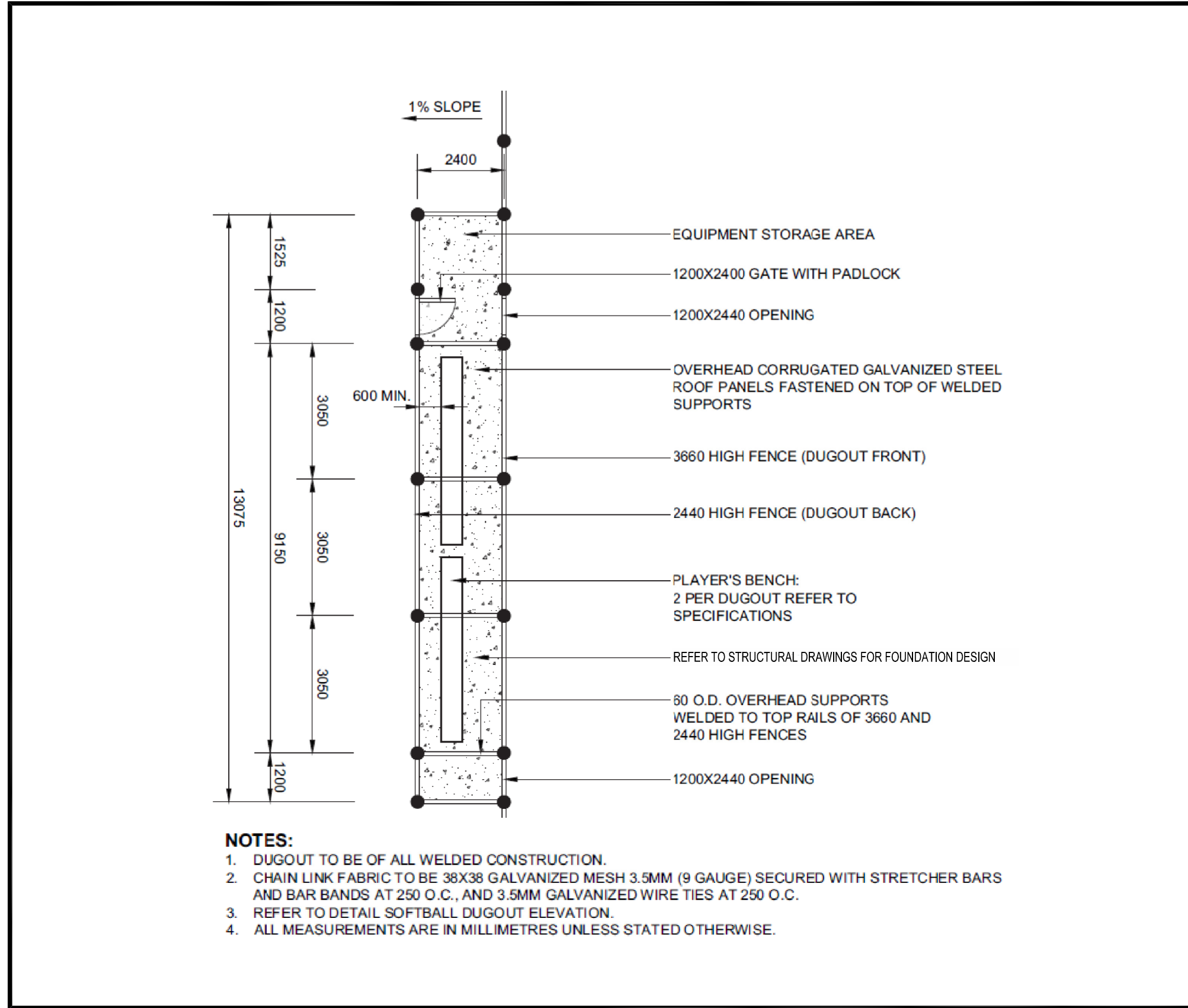
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WN GOULARD PARK
BASEBALL FIELD REDEVELOPMENT
BASEBALL FIELD PLANS & DETAILS

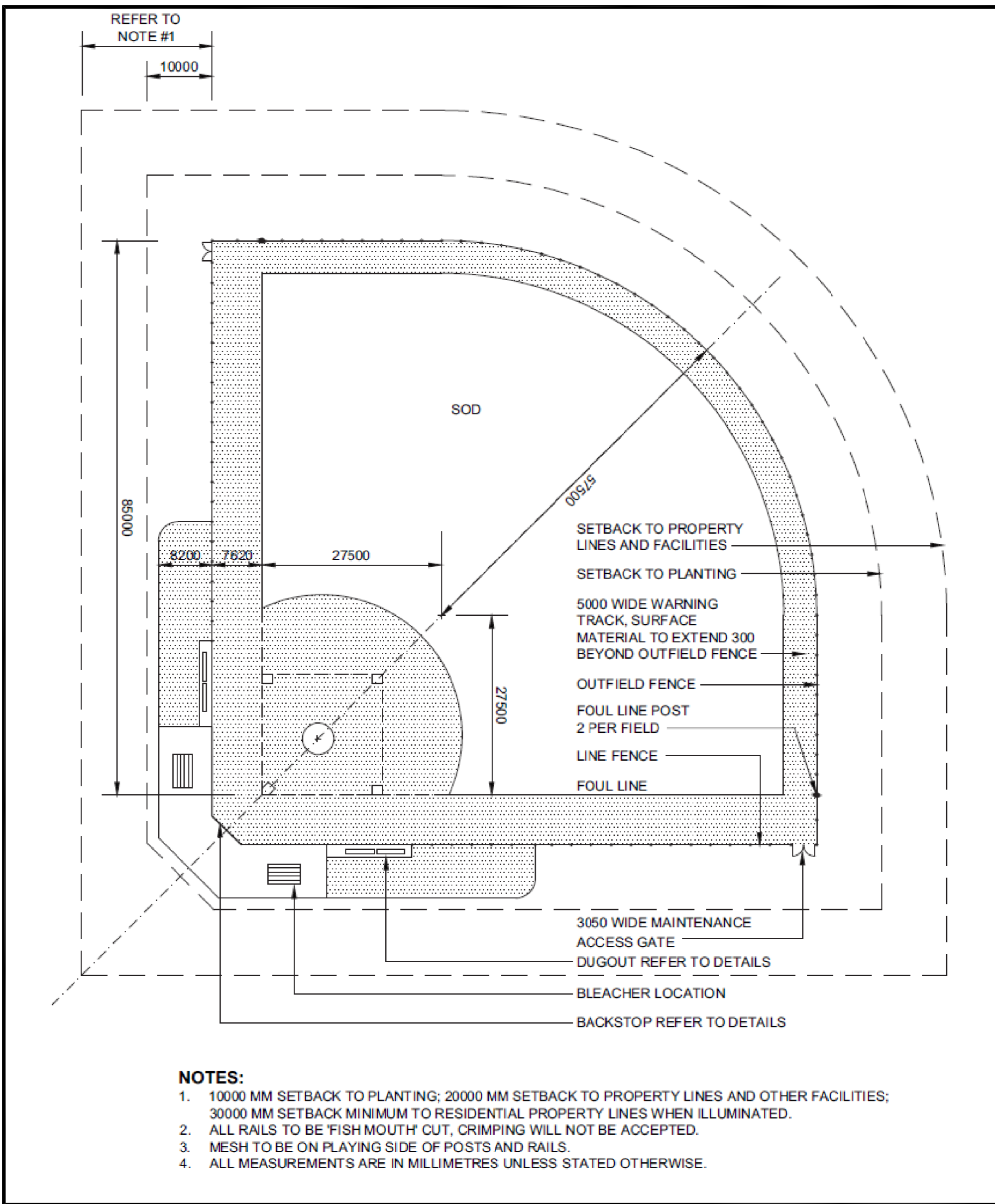
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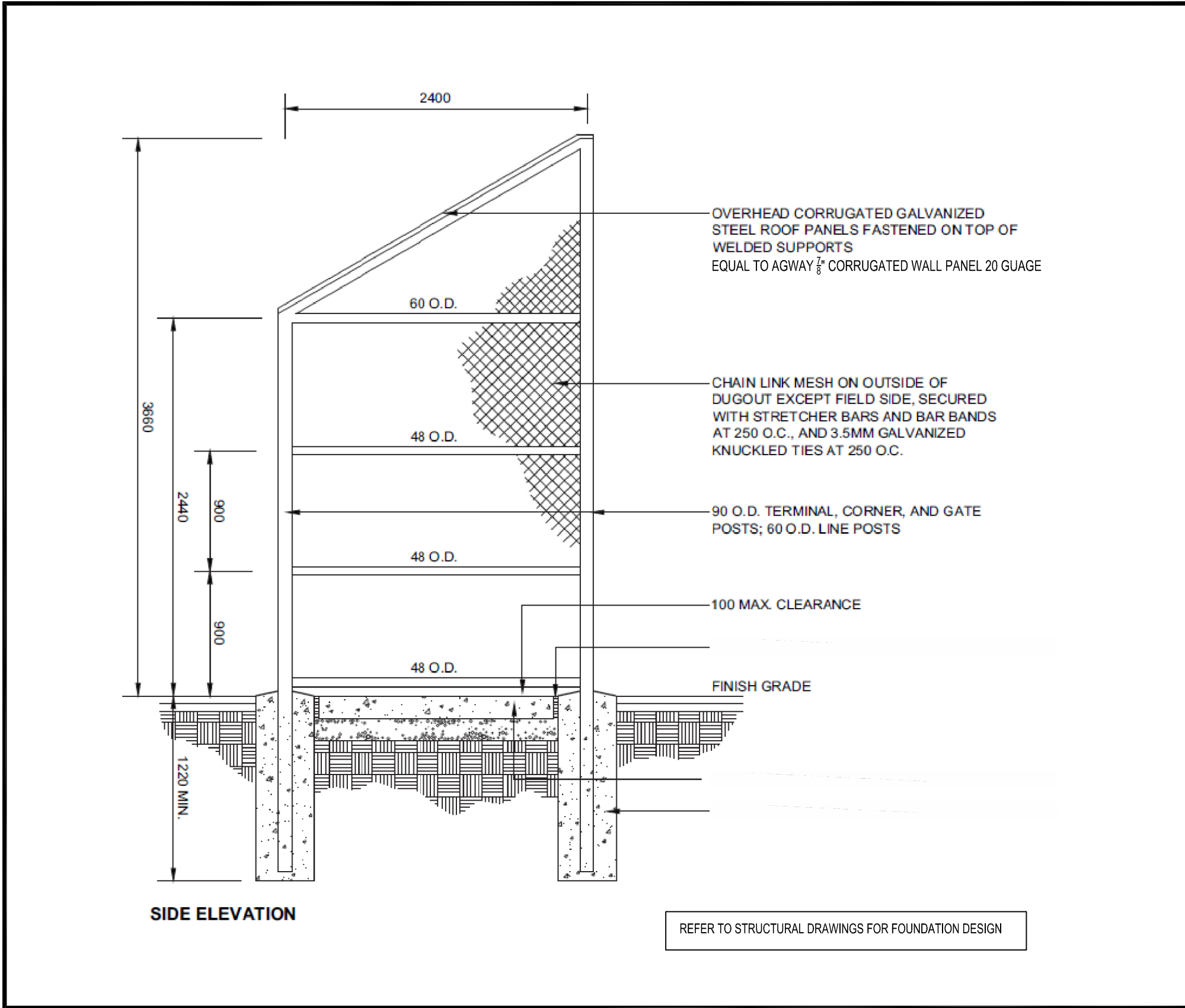
1 BASEBALL FIELD LIGHTING LAYOUT
A100 NTS



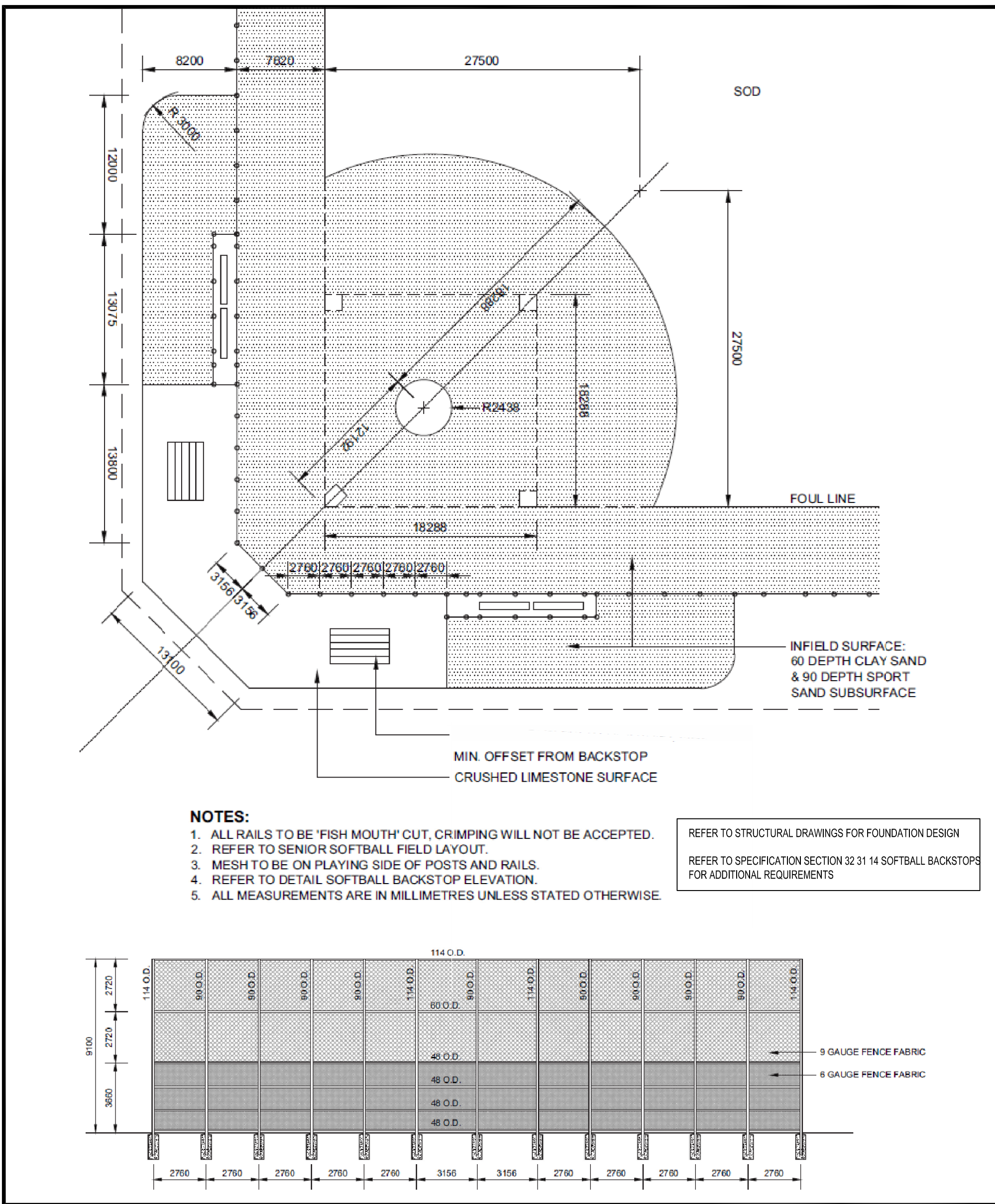
4 BASEBALL DUGOUT PLAN
A100 NTS



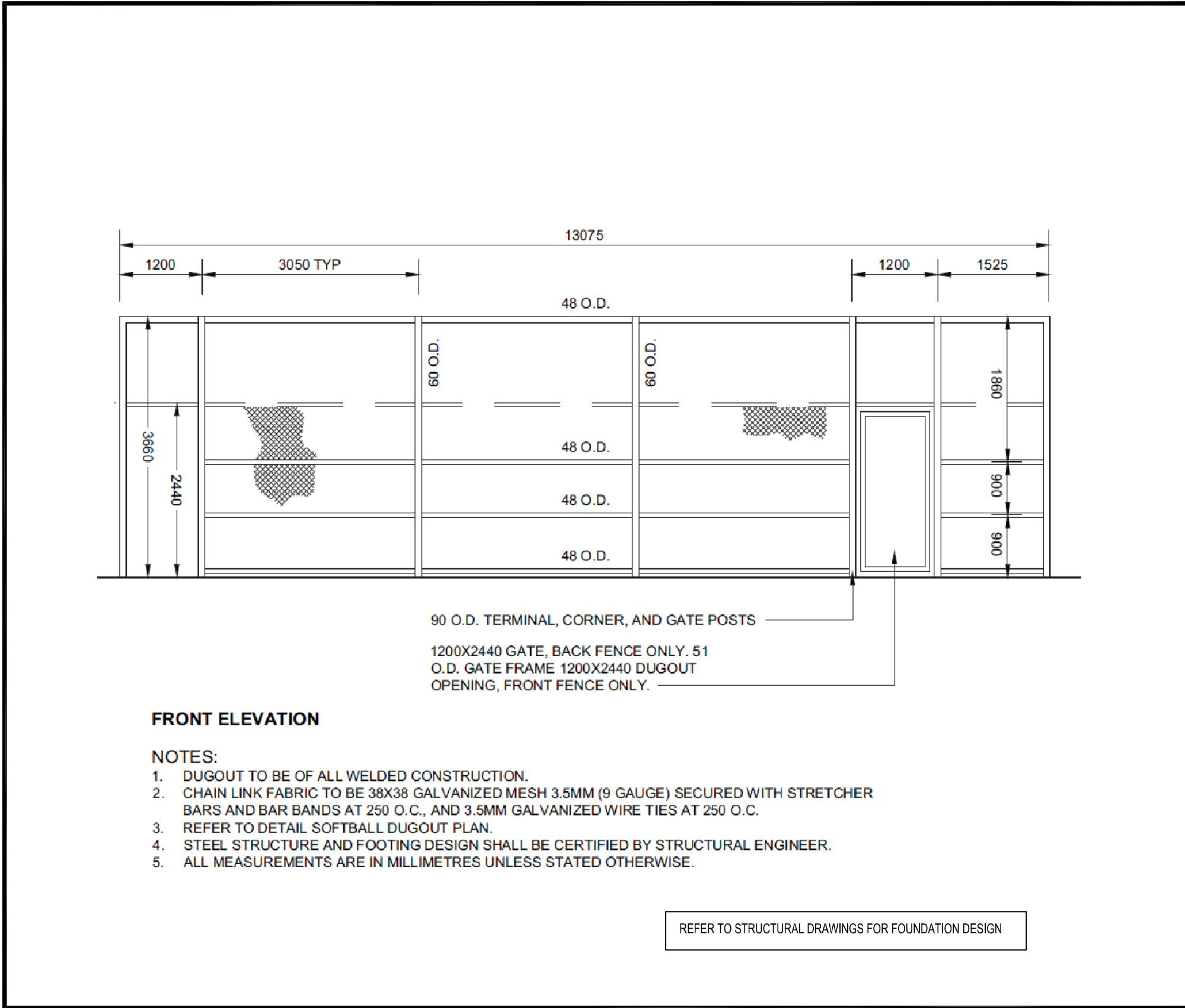
2 BASEBALL FIELD LAYOUT
A100 NTS



5 BASEBALL DUGOUT SIDE ELEVATION
A100 NTS



3 BASEBALL INFIELD & BACKSTOP LAYOUT
A100 NTS



6 BASEBALL DUGOUT FRONT ELEVATION
A100 NTS

SEE DRAWINGS FOR ADDITIONAL NOTES

GENERAL NOTES

THIS IS A GENERAL SPECIFICATION. SOME STATED ITEMS MY NOT APPLY.

1.0 GENERAL

1.1 DESIGN AND CONSTRUCTION IS TO CONFORM TO THE 2024 ONTARIO BUILDING CODE. REFER ALSO TO TYPICAL DETAILS, NOTES UNDER PLANS & SCHEDULE ON THE STRUCTURAL DRAWINGS, AND TO THE SPECIFICATION. ALL CODES, MANUALS, STANDARDS AND SPECIFICATIONS REFERRED TO SHALL BE THE LATEST EDITIONS INCLUDING ALL REVISIONS AND ADDENDA. ALL DIMENSIONS, AND DETAILS OTHER THAN PURELY STRUCTURAL DIMENSIONS AND DETAILS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE CHECKED AGAINST THE ARCHITECTURAL DRAWINGS AND ANY INCONSISTENCIES REPORTED TO THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. STRUCTURAL DRAWINGS MUST NOT BE SCALED.

1.2 REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS, TRENCHES, PITS, SUMPS, EQUIPMENT, SLEEVES, DEPRESSIONS, GROOVES AND CHAMFERS NOT INDICATED ON THE STRUCTURAL DRAWINGS. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ABOVE ITEMS WHERE SHOWN ON THE STRUCTURAL DRAWINGS ARE INDICATED ONLY APPROXIMATELY AS TO SIZE AND LOCATION.

1.3 UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, NO PROVISIONS HAS BEEN MADE IN THE DESIGN FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE CONTRACTOR IS TO PROVIDE ALL NECESSARY BRACINGS AND SHORING REQUIRED FOR STRESSES AND INSTABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY BRACINGS, SHORINGS, SHEET PILING OR OTHER TEMPORARY SUPPORTS TO SAFEGUARD ALL EXISTING OR ADJACENT STRUCTURES AFFECTED BY THIS WORK.

1.4 ALL LOADS SHOWN ON THESE DRAWINGS ARE FACTORED LOADS UNLESS OTHERWISE NOTED.

2.0 SHOP DRAWINGS, PLACING DRAWINGS & BAR LISTS:–

2.1 FOR ALL STRUCTURAL COMPONENTS SHOWN ON THE STRUCTURAL DRAWINGS, SUBMIT COPIES OF SHOP DRAWINGS, FOR REVIEW BY THE STRUCTURAL CONSULTANT. SHOP DRAWINGS ARE REQUIRED FOR THE FOLLOWING ITEMS AND REQUIRE AN ENGINEERING SEAL OF AN ENGINEER LICENSED IN ONTARIO & RESPONSIBLE FOR THE WORK. ALL STRUCTURAL STEEL, OWSJ, PRE-ENGINEERED WOOD TRUSS, HEAVY WOOD TIMBER CONNECTIONS, CONCRETE PRECAST CORE SLAB, REBAR, METAL ROOF & FLOOR DECK, PRE-ENGINEERED BUILD FRAME. SHOP DRAWINGS TO SHOW COMPLETE INFORMATION FOR THE FABRICATION AND ERECTION OF THE STRUCTURAL COMPONENTS.

2.2 REVIEW BY THE STRUCTURAL CONSULTANT SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR SEEING THAT THE WORK IS COMPLETE, ACCURATE AND IN CONFORMITY WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.

3.0 INSPECTION AND TESTING:–~~TESTING ITEMS MAY BE DELETED WITH ENGINEER PERMISSION~~

3.1 A SOILS CONSULTANT AND AN INDEPENDENT INSPECTION AND TESTING COMPANY ARE TO BE ENGAGED TO CARRY OUT THE FOLLOWING SERVICES:–

.1 BEARING SOIL – REFER TO NOTES ON STRUCTURAL DRAWINGS AND ALSO TO THE SOIL REPORT.

.2 FILL UNDER SLABS–ON–GRADE – CONFIRM THAT FILL MATERIAL USED IS SATISFACTORY AND THAT THE REQUIRED DEGREE OF COMPACTION HAS BEEN ATTAINED.

.3 CAST–IN–PLACE & PRECAST CONCRETE – ROUTINE INSPECTION OF MATERIALS, INCLUDING SLUMP CYLINDER AND AIR ENTRAINMENT TESTS & REINFORCING ROD TESTS WHEN REQUIRED AS DIRECTED IN ACCORDANCE WITH CAN/CSA–A23.2–M.

.4 THE PROJECT SUPERINTENDENT IS TO ADVISE THE STRUCTURAL CONSULTANT A MINIMUM OF 24 HOURS IN ADVANCE OF A CONCRETE POURS FOR A REVIEW OF PREPARATIONS.

.5 STRUCTURAL STEEL AND OWSJ – ROUTINE SHOP AND FIELD INSPECTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF CAN/CSA–16.1–M

.6 MASONRY – WHEN REQUIRED OR DIRECTED, CONCRETE BLOCKS SHALL BE TESTED IN ACCORDANCE WITH CAN3–A165–M SERIES; BRICKS IN ACCORDANCE WITH CSA CAN3–A82M; AND MORTAR AND/OR GROUT IN ACCORDANCE WITH CSA A179M.

3.2 ALL INSPECTION AND TESTING SERVICES ARE TO BE PERFORMED BY COMPANIES CERTIFIED BY THE CANADIAN STANDARDS ASSOCIATION AND WELDING, INSPECTORS ARE TO BE CERTIFIED BY THE CANADIAN BUREAU.

4.0 FOUNDATIONS

4.0 REFER TO NOTES UNDER FOUNDATION PLANS. ALL EXTERIOR FOOTINGS OR OTHER FOOTINGS EXPOSED TO FREEZING IN THE FINISHED BUILDING SHALL BE FOUNDED AT A MINIMUM 1700mm (5’–6”) BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. ON THE DRAWINGS FOOTINGS EXPOSED TO FROST ACTION DURING CONSTRUCTING SHALL BE PROTECTED BY A MINIMUM OF 1200mm (4’–0”) OF EARTH OR IT’S EQUIVALENT SUFFICIENT TO PREVENT FREEZING.

4.2 THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS FOR FOOTINGS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10, MAXIMUM STEP APPROX. 600mm (2’–0”).

4.3 CAP DEPTHS AND FOOTING ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THE STRUCTURAL DRAWINGS.

4.4 IF ACTUAL JOB SITE OR SOIL CONDITIONS VARY FROM THOSE ASSUMED, THE WRITTEN DIRECTIONS MUST BE OBTAINED FROM THE STRUCTURAL CONSULTANT BEFORE PROCEEDING WITH THE WORK.

4.5 KEEP EXCAVATIONS CONTINUOUSLY DRY BEFORE CONCRETE IS PLACED. IF THE SOIL IS SOFTENED BY WATER, THE EXCAVATION SHALL EXTENDED BELOW THE SOFTENED MATERIAL AND THE BOTTOM OF THE FOOTINGS LOWERED TO SUIT.

5.0 BACKFILLING AND COMPACTION:–

5.1 SLABS–ON–GRADE AND ALL STRUCTURAL ELEMENTS FRAMING INTO WALLS WHICH RETAIN EARTH MUST BE IN BEFORE BACKFILLING.

5.2 AT FOUNDATION WALLS WITH GRADE BOTH SIDES, UNLESS ADEQUATELY SHORED, BACKFILL & COMPACT EACH SIDE OF WALL SIMULTANEOUSLY.

5.3 UNDER SLABS–ON–GRADE, REMOVE SOFT SPOTS, ORGANIC AND FOREIGN MATTER IN THE SUB–GRADE. (WHERE SUB–GRADE CONSISTS OF COMPACTED FILL, REFER TO SPECIFIC NOTES ON THE DRAWINGS).

GENERAL NOTES CONTINUED

5.4 BACKFILL UNDER SLAB–ON–GRADE, IN FOOTING EXCAVATIONS AND IN TRENCHES ONLY WITH APPROVED MATERIAL. UNLESS SPECIFICALLY NOTED OTHERWISE, BACKFILLING SHALL BE CARRIED OUT IN MAXIMUM OF 200mm (8”) THICK LIFTS OF LOOSE FILL EACH COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY.

5.5 UNLESS OTHERWISE NOTED, PROVIDE IMMEDIATELY UNDER SLABS–ON–GRADE A MINIMUM OF 150mm (6”) OF COMPACTED GRANULAR “A” MATERIAL. COMPACTION TO ACHIEVE A MINIMUM OF 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.

STRUCTURAL STEEL

1.0 GENERAL

1.1 STRUCTURAL STEEL & CONNECTIONS SHALL CONFORM TO CAN/CSA–S16.1–M & SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER EXPERIENCED IN THIS TYPE OF WORK.

1.2 REFER ALSO TO GENERAL NOTES, NOTES UNDER PLANS & TO THE SPECIFICATION .

1.3 WELDING SHALL CONFORM TO CSA STANDARD W59 AND BE PERFORMED BY A FABRICATOR CERTIFIED TO CSA W47.1. DIV 1 OF 2.1

1.4 BEAM CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM OF 50% OF THE BEAM SHEAR CAPACITY UNLESS OTHERWISE NOTED, & IN NO CASE BE LESS THAN THE LOADS SHOWN ON OR IMPLIED BY THE DRAWINGS. WHEN EVER POSSBLE USE STANDARD DOUBLE HEADED AND TYPE CONNECTIONS. ALL CONNECTION TO BE AT LEAST HALF THE DEPTH OF THE BEAMS. USE SAFE CONNECTIONS AS REQUIRED BY THE MINISTRY OF LABOUR.

2.0 PRODUCTS

2.1 ALL STRUCTURAL STEEL MEMBERS SHALL CONFORM TO CAN/CSA–G40.20/G20.21–M. PLATES, SAG RODS, STRAP ANCHORS & BARS SHALL BE TYPE 300W AND WIDE FLANGE SECTION AND HOLLOW STUCTURAL SECTIONS SHALL BE TYPE 350W, CLASS C FOR SQUARE HSS & CLASS C FOR ROUND HSS.

2.2 BOLTS, NUTS & WASHERS FOR CONNECTIONS TO CONFORM TO ASTM A325 UNLESS NOTED.

2.4 ANCHOR BOLTS, NUTS & WASHERS FOR BASE PLATES, BEARING PLATES & WELD PLATES TO CONFORM TO ASTM A307 UNLESS NOTED.

2.5 SHEAR STUDS WHERE REQUIRED TO CONFORM TO ASTM A108, WELDING TO CONFORM TO CSA W59.

2.6 WELDING MATERIALS TO CONFORM TO CSA W48–M (SERIES).

2.7 POWER TOOL CLEAN ALL STEEL BEFORE PRIMING TO REMOVE ALL LOOSE MILL SCALE.

2.8 PRIMER PAINT TO CONFORM TO CAN/CGSB–1.40–M OR GISC/CPMA 2–75. TOP COAT TO BE INDUSTRIAL GRADE ENAMEL PAINT (AS PER ONTC REQUEST)

3.0 EXECUTION

3.1 FABRICATION, HANDLING & ERECTION TO CONFORM TO CAN/CSA–S16.1–M.

3.2 PROVIDE A MINIMUM OF 2–12mm (1/2”) DIAMETER BY 250 (10”) LONG WALL ANCHORS FOR ALL BEAM & OWSJ WALL PLATES ON MASONRY, OR AN APPROVED EQUAL, UNLESS OTHERWISE NOTED. BEAMS & JOIST SHOES TO BE WELDED TO BEARING PLATES.

3.3 PROVIDE ADJUSTABLE ANCHORS TO ALL STEEL TO BE BUILT INTO, ABUTTED BY, OR FACED WITH MASONRY (REFER ALSO TO DETAILS IF SHOWN). SPACING OF ANCHORS TO BE

.1 FOR VERTICAL SPACING.....600 (24”) MAX. CENTRES

.2 FOR HORIZONTAL SPACING.....5 TIMES WALL THICKNESS* MAX. 1500 (5’–0”) CENTRES

(*NOTE, USE BACK–UP WYTHE ONLY FOR CAVITY WALLS).

.3 WHERE STEEL PROVIDES LATERAL BRACING ONLY TO MASONRY (I.E. DOES NOT SUPPORT MASONRY) ANCHORS SHALL PERMIT DIFFERENTIAL VERTICAL MOVEMENT BETWEEN STRUCTURAL MEMBER & MASONRY. MINIMUM CLEARANCE SPAN/180 (MINIMUM 25mm 1”)

3.4 CLEAN, PREPARE SURFACES AND SHOP PRIME STRUCTURAL STEEL COAT OF SPECIFIED PRIMER PAINT IN ACCORDANCE WITH CAN/CSA–S16.1–M, EXECPT WHERE MEMBERS ARE TO BE ENCASED IN CONCRETE. FIELD “TOUCH–UP” BOLTS, WELDS, BURNED OR SCRAPED SURFACES AFTER ERECTION.

3.6 PROVIDE ALL NECESSARY TEMPORARY BRACING TO KEEP STRUCTURE SAFE AND PLUMB. BRACING SHOWN ON STRUCTURAL DRAWINGS IS PERMANENT FOR FINISHED BUILDING ONLY.

3.7 CO–ORDINATE WITH MECHANICAL & ELECTRICAL CONSULTANTS & SUB–TRADES WHOSE WORK MAY EFFECT DETAILING, FABRICATION & ERECTION OF THE STEEL STRUCTURE.

3.8 TOLERANCES: VARIATION FROM PLUMB & LEVEL EXTERIOR COLUMNS AT ELEVATOR SHAFTS, & SPANDREL BEAMS INCLUDING ANGLES.....1:1000 MAX. 25mm (1/8” IN 10’–0” MAX.1”) OTHER PIECES.....1:500 (1/4” IN 10’–0”)

3.9 NO HOLES OTHER THAN THOSE SHOWN ON REVIEWED SHOP DRAWINGS SHALL BE MADE IN ANY STEEL MEMBER WITHOUT WRITTEN PERMISSION OF THE STRUCTURAL CONSULTANT.

4.0 QUALITY CONTROL

4.1 SEE GENERAL NOTES, NOTES UNDER PLANS, &/OR SPECIFICATION FOR INSPECTION AND TESTING REQUIREMENT.?PREFABRICATED WOOD TRUSS NOTES

CAST–IN–PLACE CONCRETE NOTES

1.0 GENERAL

1.1 PROVIDE ALL LABOUR MATERIAL, TOOLS AND EQUIPMENT REQUIRED TO CARRY OUT THE WORK.

1.2 REFER ALSO TO GENERAL NOTES, NOTES UNDER PLANS AND SCHEDULES, TYPICAL DETAILS AND SPECIFICATION.

2.0 PRODUCTS

2.1 PORTLAND CEMENT, WATER AND AGGREGATES SHALL CONFORM TO CSA STANDARD A23.1.

2.2 PROVIDE AN APPROVED WATER REDUCING ADDITIVE IN ALL CONCRETE. PROVIDE AN APPROVED AIR ENTRAINING ADDITIVE IN ALL CONCRETE WHICH WILL BE EXPOSED TO A FREEZE/THAW CYCLE AND/OR THE ACTION OF DE–ICING SALT. ADMIXTURES SHALL CONFORM TO CSA STANDARD A23.5.

2.3 FORM WORK SHALL CONFORM TO CSA STANDARD A23.1, CSA STANDARD S269.3 AND FALSE WORK SHALL CONFORM TO CSA S269.1.

2.4 IF SO INSTRUCTED, THE DESIGNS FOR THE FORM WORK SHALL BE SUBMITTED FOR REVIEW BEFORE CONSTRUCTION. FORM WORK DRAWINGS AND DESIGN SHALL BEAR THE STAMP OF A LICENSED PROFESSIONAL ENGINEER.

2.5 UNLESS OTHERWISE NOTED PROVIDE SLAB & BEAM FORMS WITH AN UPWARD CAMBER OF 2mm/1000mm (1/4” PER 10’–0”) OF SPAN, AND UPLIFT ENDS OF CANTILEVERED SLAB & BEAM FORMS 3mm/1000mm (1/4” PER 8’–0”) OF CANTILEVER LENGTH.

2.6 PROVIDE STANDARD ADJUSTABLE MASONRY ANCHOR SLOTS FOR ALL MASONRY FACING OR ABUTTING CONCRETE FACES.

2.7 PROVIDE AND/OR INSTALL STANDARD ADJUSTABLE INSERTS & ALL OTHER CAST–IN INSERTS AS REQUIRED BY THE ARCHITECTURAL, STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS & SPECIFICATION.

2.8 REINFORCING STEEL UNLESS SPECIFICALLY NOTED, SHALL BE DEFORMED BARS CONFORMING TO CAN/CSA–G30.18–M GRADE 400 (58000 PSI).

2.9 WELDED WIRE FABRIC TO CONFORM TO CSA G30.5–M.

2.10 REINFORCING SHALL BE DETAILED, BENT, PLACED AND SUPPORTED TO CONFORM TO ACI STANDARD 315 AND THE MANUAL OF STANDARD PRACTICE PUBLISHED BY THE REINFORCING STEEL INSTITUTE OF CANADA.

2.11 DRY–PACK GROUT TO BE 1 PART PORTLAND CEMENT TO 11/2 PARTS SAND TO 2 PARTS OF 8mm PEA GRAVEL WITH ONLY SUFFICIENT WATER TO DAMPEN MIXTURE. COMPRESSIVE STRENGTH 50MPa AT 28 DAYS.

2.12 NON–SHRINK GROUT TO BE AN APPROVED PRE–MIXED PROPRIETARY PRODUCT .

2.13 PROVIDE APPROVED EXTRUDED PVC WATER STOPS OF SIZE & STYLES INDICATED, WITH PRE–WELDED CORNERS & INTERSECTIONS. SEE ALSO TYPICAL DETAILS.

2.14 CURING AND SEALING COMPOUNDS WHERE APPROVED FOR USE TO CONFORM TO ASTM STANDARD C309. GENERALLY, ALL CONCRETE SURFACES ARE TO BE SEALED UNLESS NOTED OTHERWISE. COMPOUNDS ARE TO BE COMPATIBLE WITH APPLIED FINISHES.

3.0 EXECUTION

3.1 MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE @ 28 DAYS SHALL BE AS FOLLOWS –25MPa FOR FOOTINGS –25MPa FOR WALL AND PIERS –25MPa FLOOR SLAB

3.2 SLUMP AT THE POINT OF DISCHARGE SHALL BE CONSISTENT AT 80mm +/-30mm (3” +/- 11/8”) UNLESS NOTED OTHERWISE. GREATER SLUMPS ARE NOT ACCEPTABLE.

3.3 CONCRETE MIXING, TRANSPORTATION, HANDLING AND PLACING SHALL CONFORM TO CSA STANDARD A23.1.

3.4 CONSTRUCTION JOINTS FOR WALLS ARE BASED UPON VERTICAL JOINTS AT A MAXIMUM SPACING OF 10000mm (30’–0”).

3.5 CONSTRUCTION JOINTS FOR WALLS, SLABS, AND BEAMS NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL CONSULTANT BEFORE CONSTRUCTION. GENERALLY JOINTS IN SLABS SHALL BE AT RIGHT ANGLES TO THE SPANS, AT MID–SPAN IF POSSIBLE AND BE CLEAR OF SUPPORTS AND POINT LOADS.

3.6 INSERTS, FRAME–OUTS, SLEEVES, BRACKETS, CONDUITS AND FASTENING DEVICES, SHALL BE INSTALLED AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS IN A MANNER THAT SHALL NOT IMPAIR THE STRUCTURAL STRENGTH OF THE SYSTEM, BE SO INSTALLED THAT THEY SHALL NOT REQUIRE THE CUTTING, BENDING, OR DISPLACEMENT OF THE REINFORCING OTHER THAN AS SHOWN ON THE TYPICAL DETAILS.

3.7 ELECTRICAL CONDUIT SHALL NOT PASS THROUGH A COLUMN, SHALL NOT BE LARGER IN OUTSIDE DIAMETER THAN 1/3 SLAB THICKNESS OR WALL OR BEAM IN WHICH IT IS EMBEDDED, SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTRE UNLESS APPROVED AND HAVE A MINIMUM CONCRETE COVER OF 25mm (1”) AND UNLESS SPECIFICALLY PERMITTED OTHERWISE, SHALL NOT RUN HORIZONTALLY IN A CONCRETE WALL.

3.8 OPENINGS AND DRIVEN FASTENERS REQUIRED IN THE CONCRETE AFTER THE CONCRETE IS PLACED SHALL BE APPROVED BY THE STRUCTURAL CONSULTANT BEFORE PROCEEDING.

3.9 FINISHING, REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED FINISH TO EXPOSED CONCRETE. ALL HONEYCOMBING SHALL BE CUT OUT AND FILLED. FLOOR FINISHES SHALL BE AS REQUIRED BY THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS AND SHALL CONFORM TO CSA STANDARD A23.1 (CLASS A CONVENTIONAL SMOOTH CLASSIFICATION).

3.10 TOLERANCES FOR PLACING STRUCTURAL CONCRETE, REINFORCING STEEL, CAST–IN HARDWARE AND FOR FLOOR & ROOF FINISHES SHALL BE AS SPECIFIED IN CSA STANDARD A23.1.

3.11 MINIMUM REINFORCING FOR ANY CONCRETE WALL TO BE AS SHOWN ON TYPICAL DETAIL FOR CONCRETE WALLS.

3.12 MINIMUM REINFORCING FOR ANY SUSPENDED SLAB SHALL BE TEMPERATURE BARS BOTTOM EACH WAY PLUS 10M @ 400 (16”) DOWLES 600x600 (2’–0” x 2’–0”) TOP AROUND PERIMETER, REFER TO TYPICAL DETAIL OF ONE WAY SLABS.

4.0 QUALITY CONTROL

4.1 FOR INSPECTION AND TESTING, SEE GENERAL NOTES.

INSPECTION SCHEDULE

1.0 NOTIFY ENGINEER 24 HOURS PRIOR TO REQUIRED INSPECTIONS

1.1 INSPECTION REQUIRED AT THE FOLLOWING POINTS DURING CONSTRUCTION THE FOLLOWING IS A MINIMUM REQUIREMENT.

–BEFORE START OF PROJECT (PRE–CONSTRUCTION MEETING)

–AFTER EXCAVATION AND COMPACTING OF EXISTING SOIL AND BEFORE PLACING OF FORM WORK

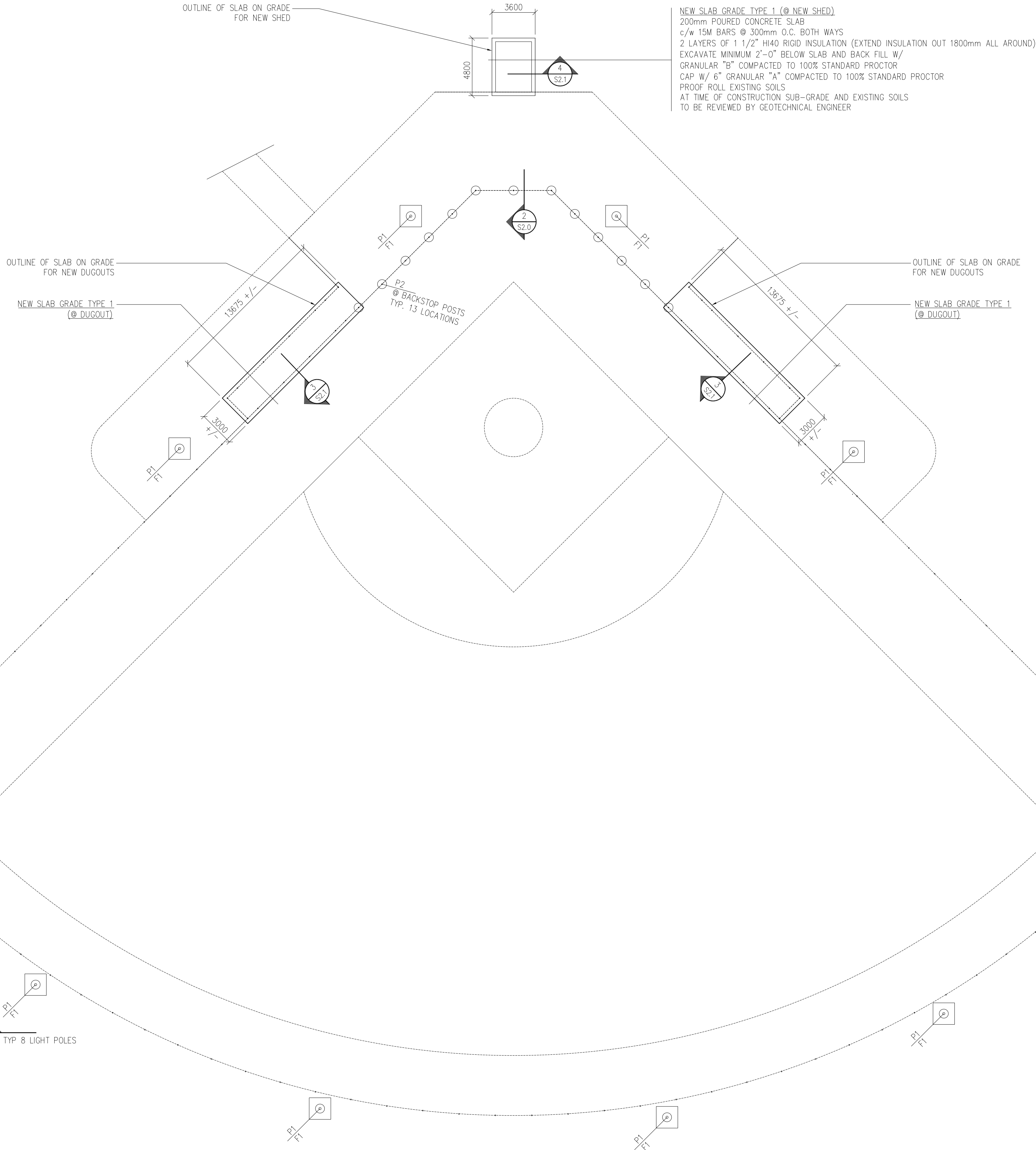
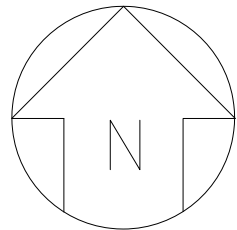
–AT COMPLETION OF FORM WORK AND PLACING OF REINFORCING

–BEFORE POURING OF CONCRETE

–DURING BACKFILLING

–AT COMPLETION OF PROJECT

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CLIENT		
MUNICIPALITY OF WEST NIPISSING		
PROJECT		
WN GOULARD PARK BASEBALL FIELD REDEVELOPMENT STURGEON FALLS, ON		
GENERAL NOTES		
DRAWN BY: BM	CHECKED BY: TIM T	DATE: JAN 26 26
PROJECT NO: 262228	FILE NO: 262228-S0.0-RX	SCALE: NTS
DRAWING NO: S0.0	REVISION: 0	PLOTTED: FEB 02 26



NEW SLAB GRADE TYPE 1 (@ NEW SHED)
200mm POURED CONCRETE SLAB
c/w 15M BARS @ 300mm O.C. BOTH WAYS
2 LAYERS OF 1 1/2" HIAD RIGID INSULATION (EXTEND INSULATION OUT 1800mm ALL AROUND)
EXCAVATE MINIMUM 2'-0" BELOW SLAB AND BACK FILL W/
GRANULAR "B" COMPACTED TO 100% STANDARD PROCTOR
CAP W/ 6" GRANULAR "A" COMPACTED TO 100% STANDARD PROCTOR
PROOF ROLL EXISTING SOILS
AT TIME OF CONSTRUCTION SUB-GRADE AND EXISTING SOILS
TO BE REVIEWED BY GEOTECHNICAL ENGINEER

FOUNDATION INFORMATION

FOOTING SCHEDULE			
FOOTING	SIZE	REINFORCING	NOTES
F1	1800x1800x400	15M BOTH WAYS, 1 LAYER BTM (8" O.C.)	FOOTING FOR LIGHT POLE
			3' COVER ON EARTH / 2' COVER FORMWORK

WALL AND PIER SCHEDULE			
PIER	SIZE	REINFORCING	NOTES
P1	762ø	8-20M VERT. BARS + 10 M STIRRUP @ 300 O.C.	9" HOOK IN FOOTING
P2	600ø	8-20M VERT. BARS + 10 M STIRRUP @ 300 O.C.	<DESIGNED BY BACKSTOP SUPPLIER>

BAR	LAP SPLICE	HOOK	BEND RADIUS
10M	1'-4"	5"	2 1/4"
15M	2'-0"	7"	3 1/2"
20M	2'-4"	9"	4 3/4"

SPECIAL NOTE
CONTRACTOR TO BACKFILL ALL WALLS/PIERS FROM BOTH SIDES EQUALLY

FOUNDATION NOTES

- NOTE ALL DIMENSIONS SHOWN FOR REFERENCE ONLY CONFIRM DIMENSIONS WITH ARCHITECTURAL DRAWINGS
- 1) SEE GENERAL NOTES
 - 2) SEE GEOTECHNICAL REPORT FOR DEWATERING, EXCAVATION, SITE PREPARATION, BACKFILL REQUIREMENTS.
 - 3) ENCLOSE TO REVIEW AND APPROVAL ALL SUBGRADE PREPARATION BEFORE INSTALLATION OF FOUNDATION SYSTEM.
 - 4) ALL FOOTINGS TO BEAR ON ENGINEERED FILL (CONFIRMED AND APPROVED BY GEOTECHNICAL SOILS CONSULTANT)
 - 5) ALL EXISTING ORGANIC SOILS TO BE REMOVED, TO BE REVIEWED AND APPROVED BY ENCLOSE
 - 6) ALL FOUNDATION CONCRETE EXPOSED TO FREEZE THAW TO BE 32MPa.
 - 7) ALL CONCRETE EXPOSED TO FREEZE THAW TO HAVE 6% ENTRAINMENT
 - 8) REFERENCE STEEL LIGHT POLES SHOP DETAILS FOR ANCHOR BOLT AND INSERT PLACEMENT
 - 9) ALL FOOTINGS TO BEAR 1.9 M BELOW GRADE
 - 10) (SEE GEOTECHNICAL REPORT FOR SOIL PREPARATION REQUIREMENTS)
 - 11) PLACE VERTICAL DOWEL IN FOOTING TO MATCH PIER AND WALL VERTICAL BARS SEE SECTION FOR HOOKS LENGTHS
 - 12) CENTER ALL FOOTINGS ON COLUMN & PIER CENTER LINES UNDO ON PLANS

LOADING DATA

GROUND SNOW LOADS

- SNOW Ss=46 PSF (2.2 kPa)
- SNOW Sr=8.5 PSF (0.4 kPa)

WIND LOADS

- MINIMUM DESIGN WIND LOAD 1/50 q= 7.3 PSF (0.35kPa)

EARTHQUAKE LOADS

- SITE SOIL CLASSIFICATION C
- IMPORTANCE FACTOR 1
- SEISMIC DATA
- Sa (0.2) = 0.29
- Sa (0.5) = 0.150
- Sa (1.0) = 0.068
- Sa (2.0) = 0.022

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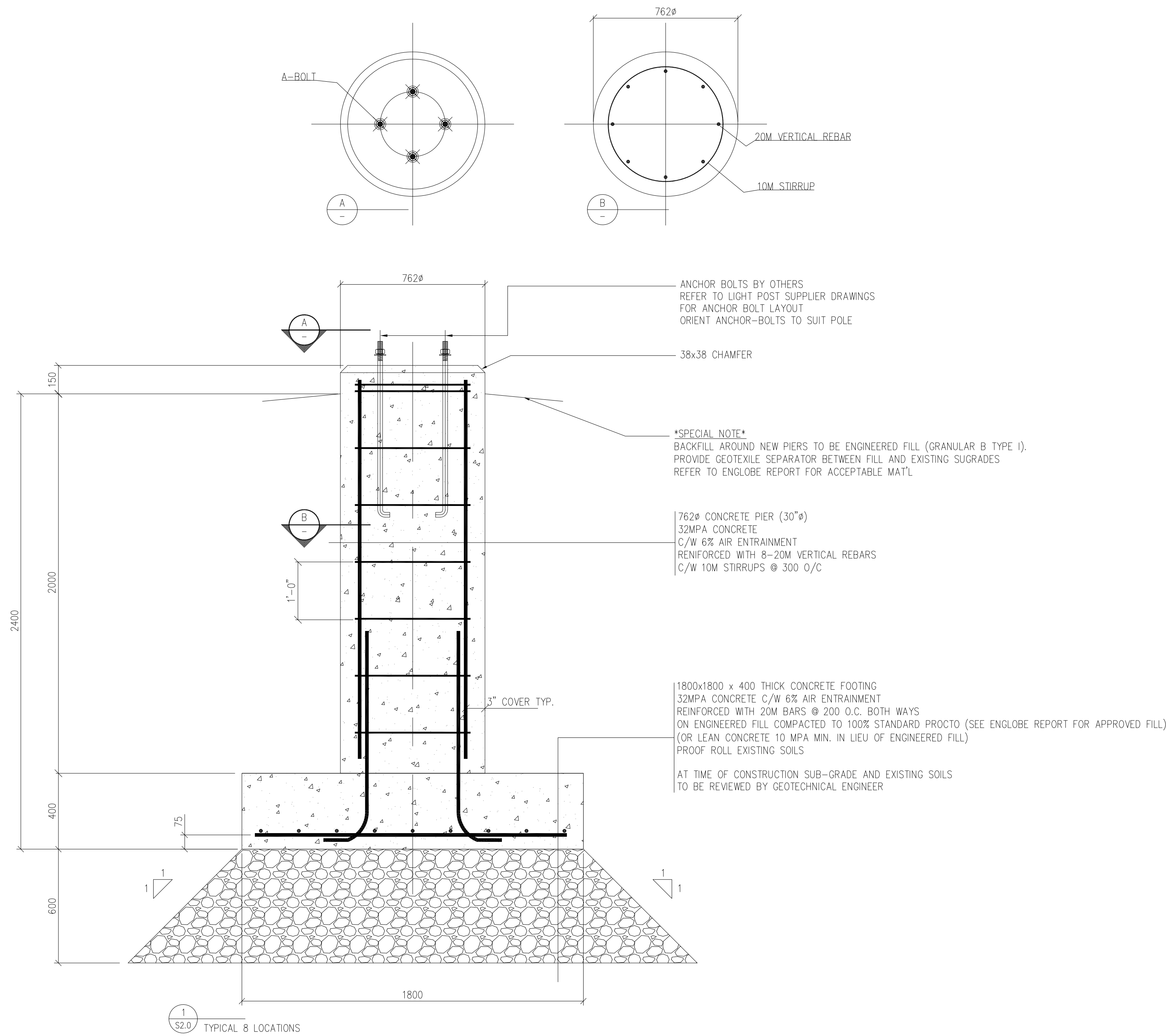
CLIENT	MUNICIPALITY OF WEST NIPISSING
PROJECT	WN GOULARD PARK BASEBALL FIELD REDEVELOPMENT STURGEON FALLS, ON

FOUNDATION PLAN

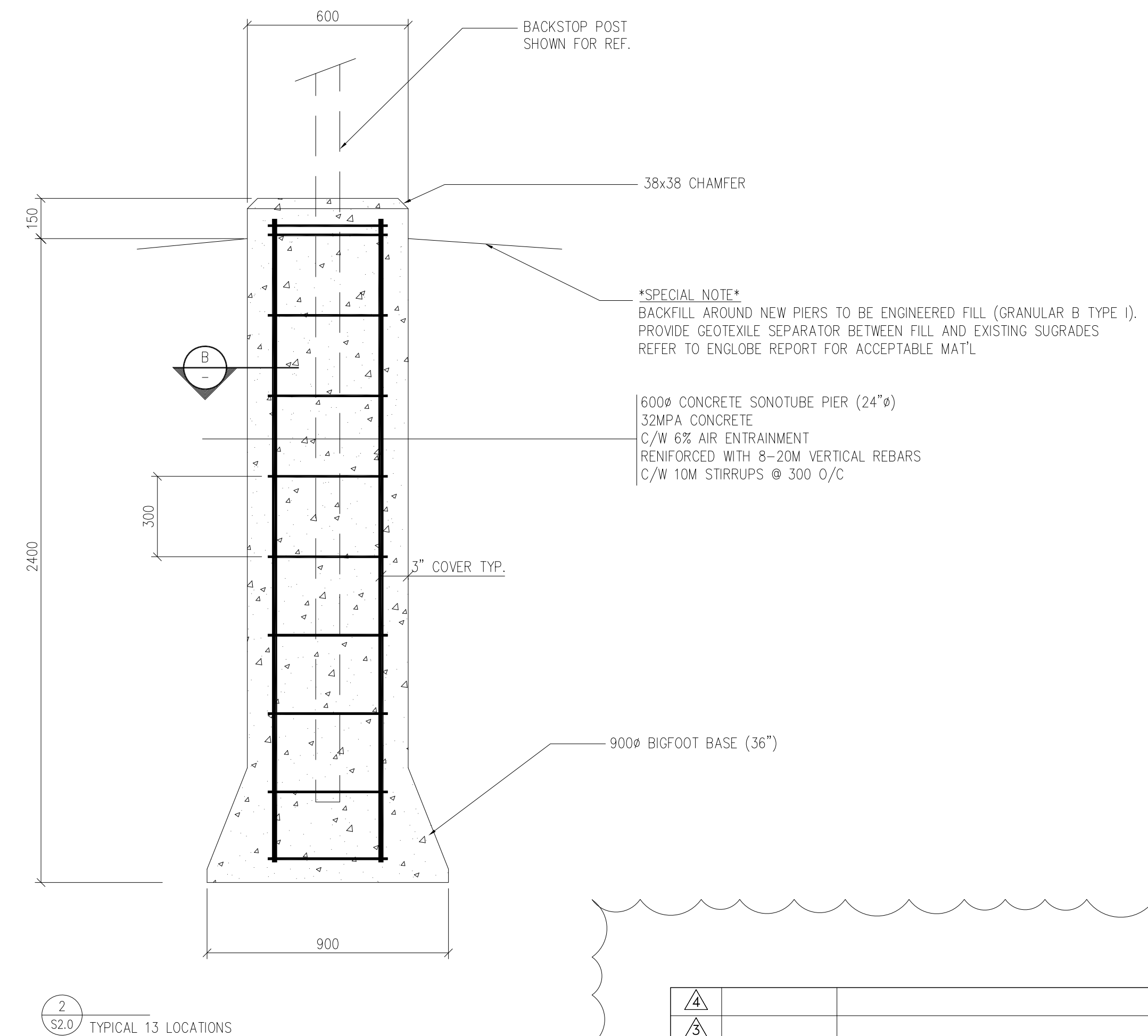
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SPECIAL NOTE:
CONTRACTOR TO REFER TO ENGLOBE GEOTECHNICAL REPORT
FOR DEWATERING REQUIREMENTS. GROUNDWATER ELEVATION
IS CONSIDERED SHALLOW AND DEWATERING PLAN WILL BE REQUIRED

- NOTES
- 1) REFER TO ARCHITECTURAL AND SITE PLAN FOR DIMENSIONS AND LOCATIONS
 - 2) REFER TO LIGHT POLE SHOP DETAILS FOR ADDITIONAL INFORMATION
 - 3) CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS INCLUDING LOCATES BEFORE STARTING WORK
 - 4) CONTRACTOR TO SAFE GUARD AREA OF WORK INCLUDING PROVIDING SAFETY FENCING AS REQUIRED
 - 5) CONTRACTOR TO MAKE ALLOW FOR AND COORDINATE CONDUIT INSTALLATION AT TIME OF CONSTRUCTION



BACKSTOP FOUNDATION NOTE
BACKSTOP FOUNDATION DESIGN CONCEPT SHOWN FOR PRICING ONLY.
CONTRACTOR TO PROVIDE STAMPED DESIGN AND DRAWINGS FOR
BACKSTOP POST FOUNDATION IN COORDINATION WITH BACKSTOP FRAMING.
REFER TO GEOTECHNICAL INVESTIGATION REPORT BY ENGLOBE FOR SITE CONDITIONS.
INCLUDING SOIL CONDITIONS, GROUND WATER DEPTH, ETC.



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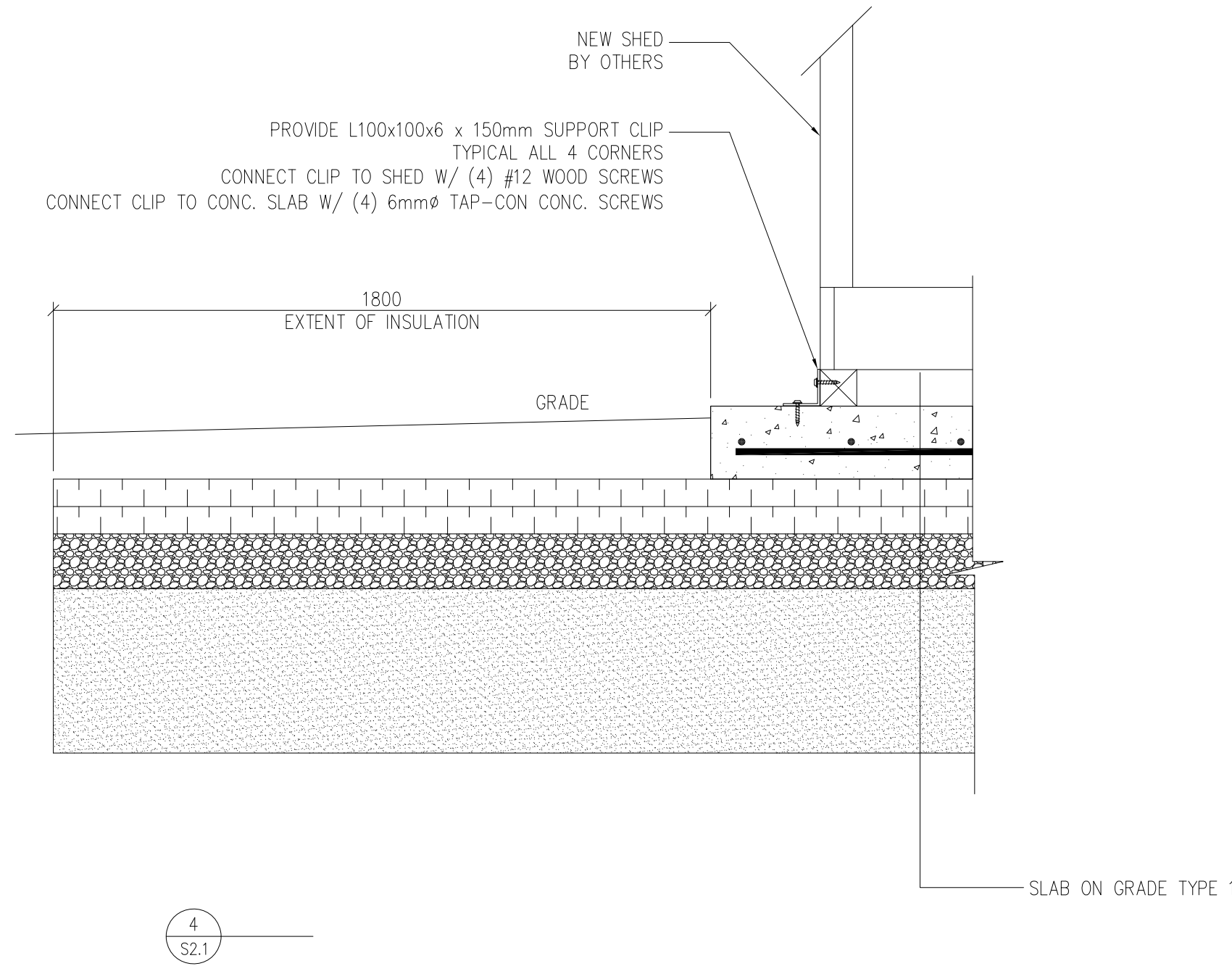
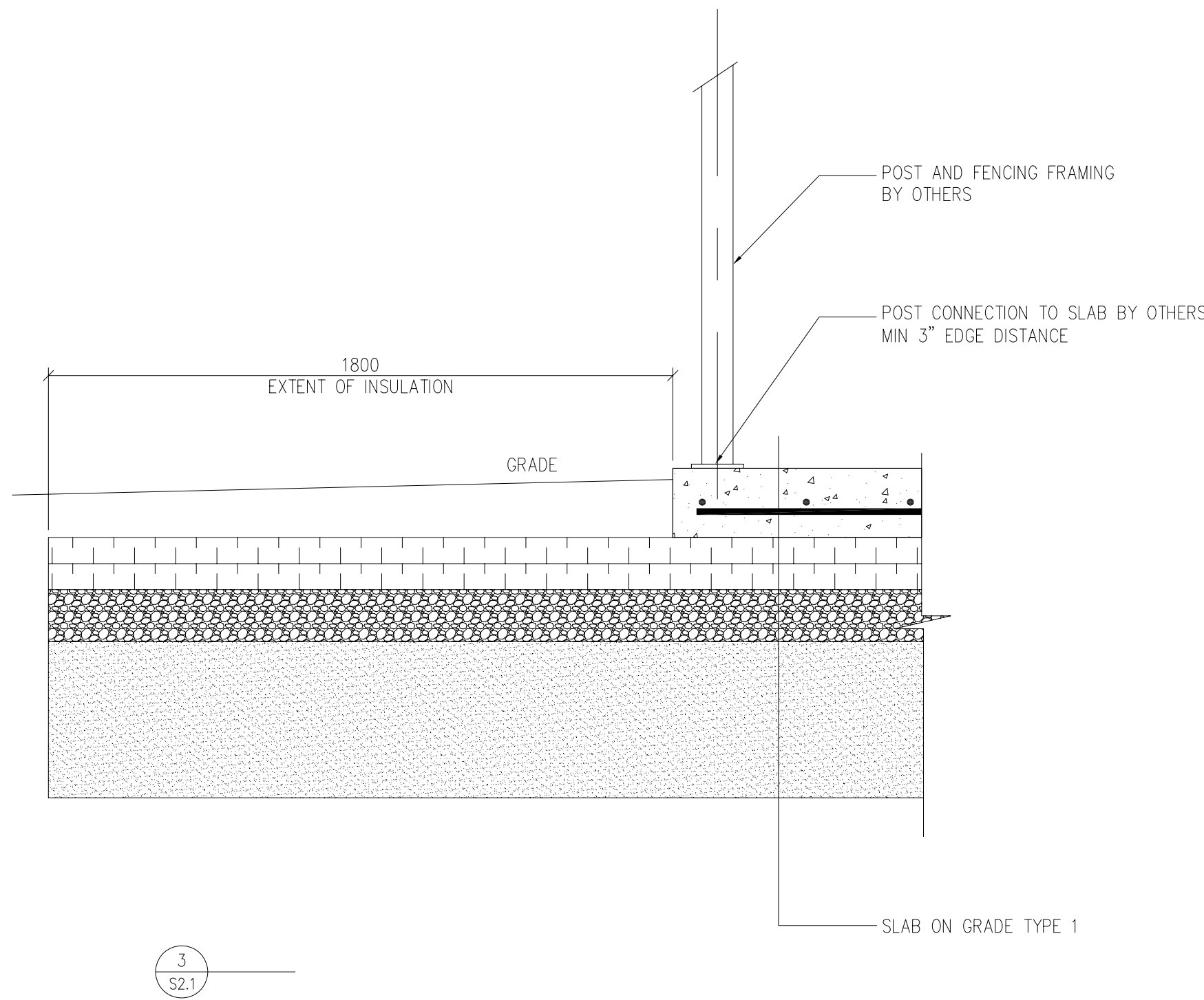
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NSD

CLIENT
MUNICIPALITY OF WEST NIPISSING

PROJECT
WN GOULARD PARK
BASEBALL FIELD REDEVELOPMENT
STURGEON FALLS, ON

FOUNDATION SECTIONS			
DRAWN BY: BM	CHECKED BY: TIM T	DATE: JAN 26 26	
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DRAWING NO: S2.0	REVISION: 0	PLOTTED: FEB 02 26	



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CLIENT	MUNICIPALITY OF WEST NIPISSING
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PROJECT	WN GOULARD PARK BASEBALL FIELD REDEVELOPMENT STURGEON FALLS, ON
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FOUNDATION SECTIONS			
DRAWN BY: BM	CHECKED BY: TIM T	DATE: JAN 26 26	
PROJECT NO. 262228	FILE NO. 262228-S2.1-RX	SCALE: NTS	
DRAWING NO. S2.1	REVISION: 0	PLOTTED: FEB 02 26	

GENERAL REQUIREMENTS - MECHANICAL AND ELECTRICAL BUILDING SYSTEMS

- GENERAL
 - THE DIVISION 15 MECHANICAL CONTRACTORS AND THE DIVISION 16 ELECTRICAL CONTRACTOR SHALL:
 - PERFORM ALL OF THE WORK AT THE PLACE OF THE WORK;
 - PROVIDE ALL OF THE PRODUCTS TO THE PLACE OF THE WORK;
 - PROVIDE ALL NECESSARY CONSTRUCTION MACHINERY AND EQUIPMENT "AT" AND "OFF" THE PLACE OF THE WORK;
 - PROVIDE ANY AND ALL INCIDENTAL ITEMS ESSENTIAL TO THE NECESSARY FOR THE COMPLETION OF WORK AND THE INSTALLATION OF THE PRODUCT: AS PER THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND/OR AS HEREIN SPECIFIED.
 - INCLUDE ALL LABOUR MATERIAL AND EQUIPMENT REQUIRED FOR THE INSTALLATION, TESTING AND PUTTING AND OPERATION COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS AS SHOWN ON THE PLANS AND AS SPECIFIED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS AND TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.
- INSTALLATION
 - ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER BY TRADESMEN LICENSED IN THE PARTICULAR TRADE. GOVERNING CODES AND REGULATIONS REPRESENT THE MINIMUM ACCEPTABLE STANDARDS.
 - THE PRIME CONSULTANTS DRAWINGS AND INSTRUCTIONS SHALL GOVERN THE EXACT LOCATION OF ALL ITEMS.
 - INSTALL ALL PRODUCTS AND SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND/OR INSTRUCTIONS.
 - ALL PRODUCTS INSTALLED SHALL MEET THE APPLICABLE CSA, ULC, CGA REQUIREMENTS.
 - VERIFY EXACT DIMENSIONS AND SPACE AVAILABLE ON SITE PRIOR TO ORDERING MATERIAL OR SHOP FABRICATION TO ENSURE THAT SYSTEMS AND PRODUCTS WILL SUIT.
- CODES & FEES
 - PROVIDE ALL PERMITS, LICENSES AND CERTIFICATES REQUIRED FOR THE WORK. ARRANGE FOR INSPECTION OF ALL WORK BY THE AUTHORITIES HAVING JURISDICTION. ON COMPLETION OF THE WORK, FURNISH FINAL UNCONDITIONAL CERTIFICATES OF APPROVAL BY THE INSPECTING AUTHORITIES.
 - COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE APPLICABLE CSA STANDARDS, THE REQUIREMENTS OF ALL FEDERAL, PROVINCIAL AND MUNICIPAL CODES, THE APPLICABLE STANDARDS OF THE UNDERWRITER'S LABORATORY CANADA AND ALL OTHER AUTHORITIES HAVING JURISDICTION. THESE CODES AND REGULATIONS CONSTITUTE AN INTEGRAL PART OF THESE SPECIFICATIONS.
 - SUBMIT ALL REQUIRED DOCUMENTATION TO THE AUTHORITIES FOR THEIR APPROVAL AND COMMENTS BEFORE STARTING WITH ANY WORK. PROVIDE ALL ADDITIONAL DOCUMENTATION AS MAY BE REQUIRED.
 - IMMEDIATELY INFORM THE CONSULTANTS IN WRITING IF MODIFICATIONS TO THE WORK ARE REQUESTED AS A RESULT OF THE AUTHORITIES REVIEW FOR ISSUING APPROVALS AND PERMITS.
- SUPERVISION
 - MAINTAIN AT THE PROJECT SITE AT ALL TIMES QUALIFIED PERSONNEL TO ENSURE THAT ALL WORK WILL BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - LAY OUT AND SCHEDULE ALL WORK TO PRECLUDE INTERFERENCE WITH OTHER WORK BEING CARRIED OUT IN THE BUILDING. COOPERATE WITH AND GIVE EVERY FACILITY TO THE SEVERAL TRADES TO EXPEDITE AND HAVE ALL MATERIALS AND EQUIPMENT INSTALLED TO THE BEST ADVANTAGE.
 - WHERE EQUIPMENT IS TO BE BUILT IN WORK WITH OTHERS TO ALLOW THE NECESSARY OPENINGS AND SPACE TO BE LEFT. PIPING, DUCTWORK, CONDUITS, ETC. SHALL BE INSTALLED NEATLY AND CLOSELY TO THE BUILDING STRUCTURE. IF IN THE CONSULTANT'S OPINION, PIPING, DUCTWORK OR OTHER WORK NOT INSTALLED IN A WORKMANLIKE MANNER WILL BE REPLACED AS DIRECTED.
- OWNER'S EQUIPMENT
 - PROVIDE ALL NECESSARY CONNECTIONS REQUIRED FOR EQUIPMENT OF OWNER AND OTHER DIVISIONS.
- DRAWINGS AND SPECIFICATIONS
 - EXAMINE ALL CONTRACT DOCUMENTS AND IDENTIFY ALL REQUIREMENTS.
 - THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE SHALL BE BINDING AS IF CALLED FOR BY BOTH. SHOULD ANY DISCREPANCY APPEAR BETWEEN THE DRAWINGS AND SPECIFICATIONS WHICH LEAVES THE TRADE IN DOUBT AS TO THE TRUE INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS, A RULING SHALL BE OBTAINED FROM THE CONSULTANT BEFORE SUBMITTING TENDER. IF THIS IS NOT DONE IT WILL BE ASSUMED THAT THE MOST EXPENSIVE ALTERNATE HAS BEEN INCLUDED.
 - REVIEW THE MECHANICAL, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING TENDER AND REPORT ANY DISCREPANCIES TO THE CONSULTANT.
- INSPECTION, CERTIFICATION AND REVIEW
 - ARRANGE FOR INSPECTIONS OF ALL WORK BY THE AUTHORITIES HAVING JURISDICTION. ON COMPLETION OF THE WORK FURNISH FINAL UNCONDITIONAL CERTIFICATES OF APPROVAL BY THE INSPECTING AUTHORITIES.
 - REQUEST FINAL REVIEW WHEN THE COMPLETED INSTALLATION HAS BEEN CHECKED BY THE DIVISION AND ALL DEFICIENCIES HAVE BEEN RECTIFIED.
 - INSTRUCT THE OWNERS REPRESENTATIVE IN ALL ASPECTS OF THE OPERATION OF SYSTEMS AND EQUIPMENT.
 - SUBMIT A COMPLETE LIST OF SYSTEM INSTRUCTIONS TO THE CONSULTANT AT THE TIME OF FINAL INSPECTION, STATING FOR EACH SYSTEM: DATE INSTRUCTIONS WERE GIVEN TO THE OWNERS STAFF; NAME OF PERSONS INSTRUCTED; AND SIGNATURE OF THE OWNER'S STAFF STATING THAT THEY PROPERLY UNDERSTAND THE SYSTEM INSTALLATION, OPERATION AND MAINTENANCE.
 - ASSEMBLE TWO MANUALS, EACH CONTAINING DATA SHEETS, BROCHURES, OPERATING MAINTENANCE AND LUBRICATING INSTRUCTIONS AND A COMPLETE SET OF REVIEWED AND "AS-BUILT" SHOP DRAWINGS AND BIND IN HARD COVER. PRESENT ONE COPY FOR REVIEW AND HAND THE REVIEW COPY PLUS A DUPLICATE TO THE OWNER.
 - PROVIDE ELECTRONIC COPY (.pdf) OF MANUALS AND AS-BUILT DRAWINGS.
- SHOP DRAWINGS
 - SUBMIT ELECTRONIC (.pdf) COPY OF SHOP DRAWINGS FOR APPROVAL FOR ALL MAJOR EQUIPMENT.

<input checked="" type="checkbox"/> Main Breaker <input checked="" type="checkbox"/> Weather Tight <input checked="" type="checkbox"/> Surface Mount <input checked="" type="checkbox"/> Key Lock Door			PANEL -BF1 Ball Field # 1		PANEL RATING [200] Amps <input checked="" type="checkbox"/> 120/2240 V - 1 Ph - 3 W <input type="checkbox"/> 120/208 V - 3 Ph - 4 W <input type="checkbox"/> 600 V - 3 Ph - 3 W <input type="checkbox"/> 600/347 V - 3 Ph - 4 W
DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
Lights LS1	25A1P	1	+	2	25A1P Lights LS2
Lights LS3	25A1P	3	+	4	25A1P Lights LS4
Lights LS5	25A1P	5	+	6	25A1P Lights LS6
Lights LS7	25A1P	7	+	8	25A1P Lights LS8
		9	+	10	
Panel Receptacle	25A1P	11	+	12	25A1P Panel Receptacle
		13	+	14	15A1P Shed Light & Receptacle
		15	+	16	
		17	+	18	
		19	+	20	
		21	+	22	
		23	+	24	

1 PANEL SCHEDULE 'BF1'
ME-1 Scale: NTS

DIVISION 15A - PLUMBING SYSTEMS

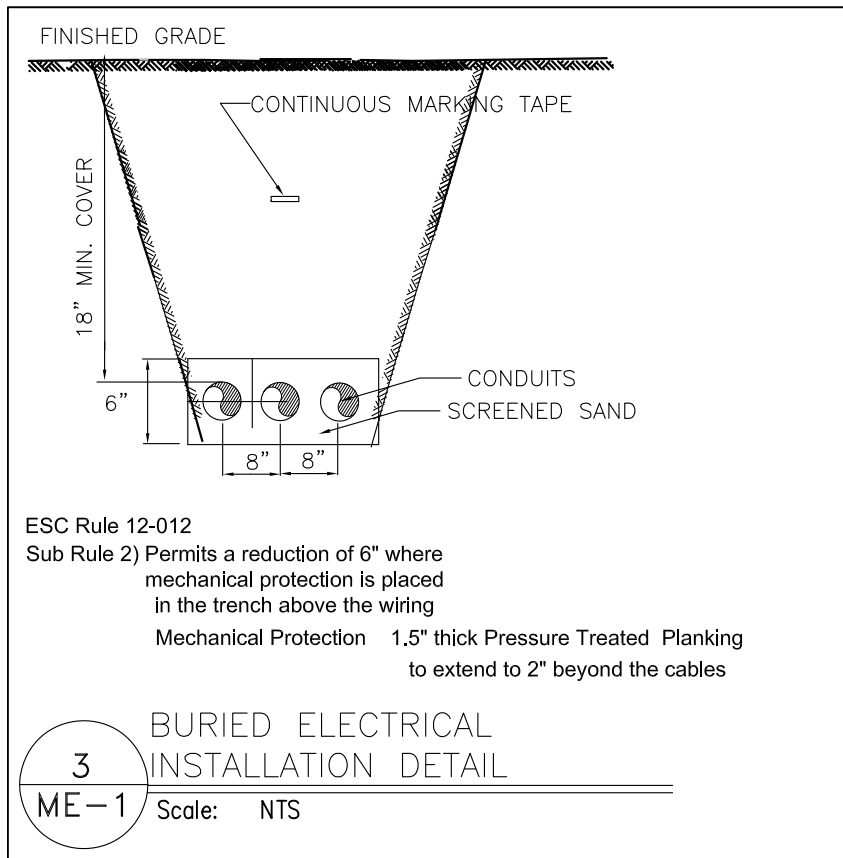
- OUTLINE OF WORK
 - THIS SUBDIVISION SHALL:
 - PERFORM ALL OF THE WORK OF THIS DIVISION AT THE PLACE OF THE WORK.
 - PROVIDE ALL OF THE PRODUCTS TO THE PLACE OF THE WORK.
 - PROVIDE ALL OF THE NECESSARY CONSTRUCTION MACHINERY AND EQUIPMENT "AT" AND "OFF" THE PLACE OF WORK.
 - PROVIDE ANY AND ALL INCIDENTAL ITEMS ESSENTIAL TO AND NECESSARY FOR THE COMPLETION OF THE WORK AND INSTALLATION OF PRODUCTS AS PER THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND/OR AS HEREIN SPECIFIED.
 - THE PLUMBING CONTRACTOR, DIVISION 15A, SHALL PERFORM THE WORK REQUIRED AND NOT NECESSARILY LIMITED TO:
 - REMOVAL OF EXISTING FENCE MOUNTED HOSE BIBS AND RELATED BURIED WATER PIPING SYSTEMS.
 - MAKE SAFE DISCONNECTED WATER SERVICE PIPING SYSTEMS.

DIVISION 16 ELECTRICAL SPECIFICATION NOTES

- OUTLINE OF WORK
 - THIS SUBDIVISION SHALL:
 - PERFORM ALL OF THE WORK OF THIS DIVISION AT THE PLACE OF THE WORK.
 - PROVIDE ALL OF THE PRODUCTS TO THE PLACE OF THE WORK.
 - PROVIDE ALL OF THE NECESSARY CONSTRUCTION MACHINERY AND EQUIPMENT "AT" AND "OFF" THE PLACE OF WORK.
 - PROVIDE ANY AND ALL INCIDENTAL ITEMS ESSENTIAL TO AND NECESSARY FOR THE COMPLETION OF THE WORK AND INSTALLATION OF PRODUCTS, AS PER THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND/OR AS HEREIN SPECIFIED.
 - THE ELECTRICAL CONTRACTOR, DIVISION 16, SHALL PERFORM THE WORK REQUIRED AND NOT NECESSARILY LIMITED TO:
 - REMOVAL OF EXISTING ELECTRICAL METER BASES, POLES, PANELBOARDS, SWITCHES
 - COORDINATION WITH AND PAY ALL COSTS TO GREATER SUBURBY UTILITIES TO PROVIDE NEW POLES AND RELOCATED OVERHEAD ELECTRICAL SERVICES TO THE TWO FIELDS.
 - SERVICE ENTRANCE SWITCH, METER BASE AND PANELS WITH LISTED ACCESSORIES
 - NEW ELECTRICAL PANELS AND SWITCHINGS AS INDICATED.
 - NEW LIGHT POLES AND BASES FOR FIELD #2
 - NEW LIGHTS AND MOUNTING HARDWARE FOR FIELDS #1 & #2.
 - BURIED ELECTRICAL CABLING FOR LIGHT FIXTURES - FIELDS #1 & #2
 - ARMING OF NEW LIGHT FIXTURES AS SCHEDULED.
 - GROUNDING SYSTEMS AS REQUIRED
 - COMMISSIONING OF ALL SYSTEMS.
 - MANUALS AND DEMONSTRATION OF SYSTEMS TO OWNERS

- ALL WORK MUST BE SCHEDULED WITH THE PROJECT MANAGER - GENERAL CONTRACTOR AND THIS CONTRACTOR SHALL MAINTAIN A SUITABLE WORK FORCE AT THE SITE TO PERFORM THE WORK AS REQUIRED.
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH ONTARIO ELECTRICAL SAFETY CODE.

- MATERIALS AND METHODS
 - ALL DEVICES AND EQUIPMENT TO BE CSA APPROVED.
 - ALL CONDUCTORS - COPPER (ALUMINUM CABLES NOT ACCEPTABLE)
- DEVICES
 - ALL DEVICES TO BE INSTITUTIONAL GRADE.
 - PROVIDE WEATHER TIGHT DEVICES WHERE INDICATED AND REQUIRED BY CODE.
- SERVICE EQUIPMENT & DISTRIBUTION
 - AS INDICATED ON THE DRAWINGS - SEE SINGLE LINE DETAIL
 - DISTRIBUTION AND PANELS TO HAVE 22k RATING.



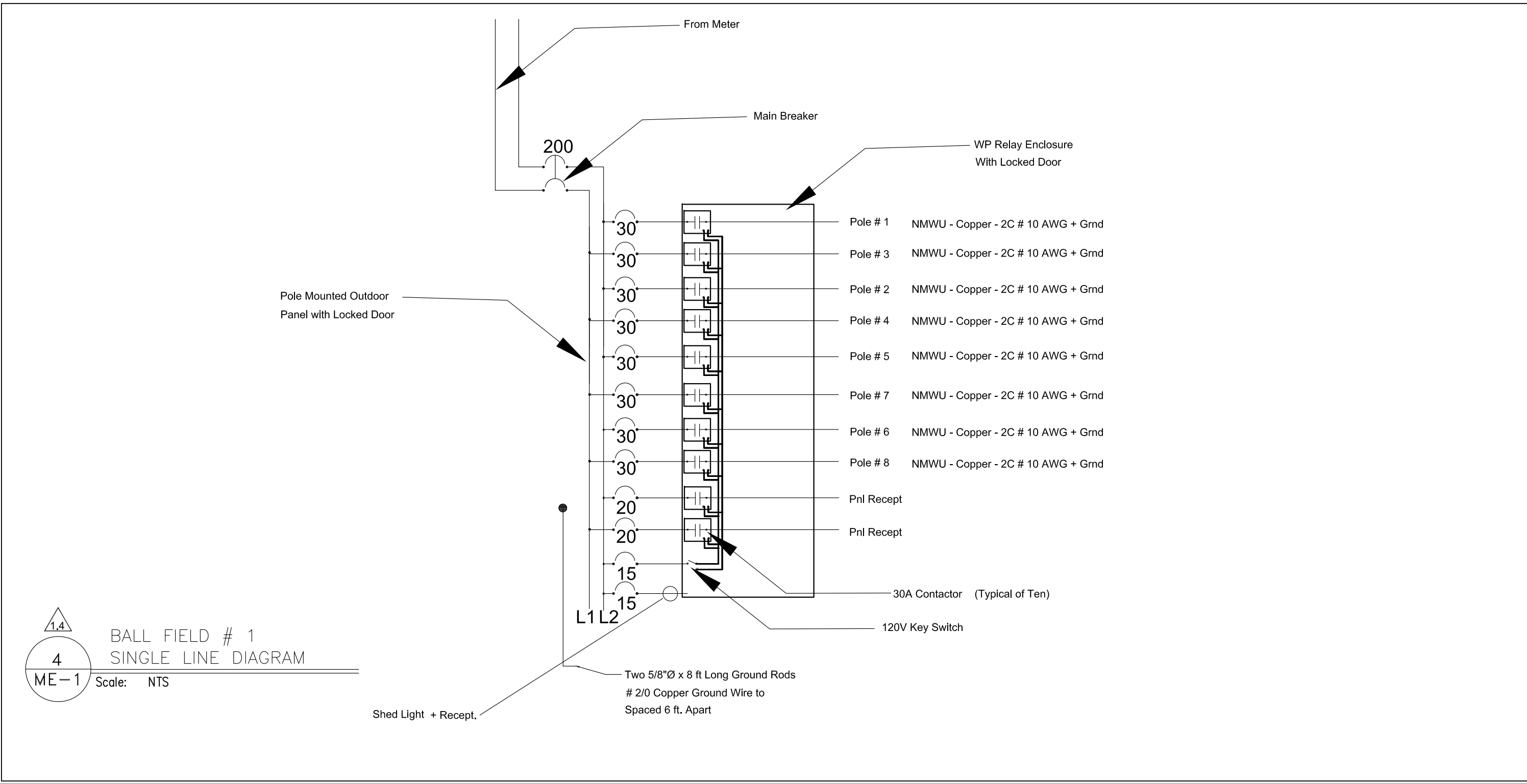
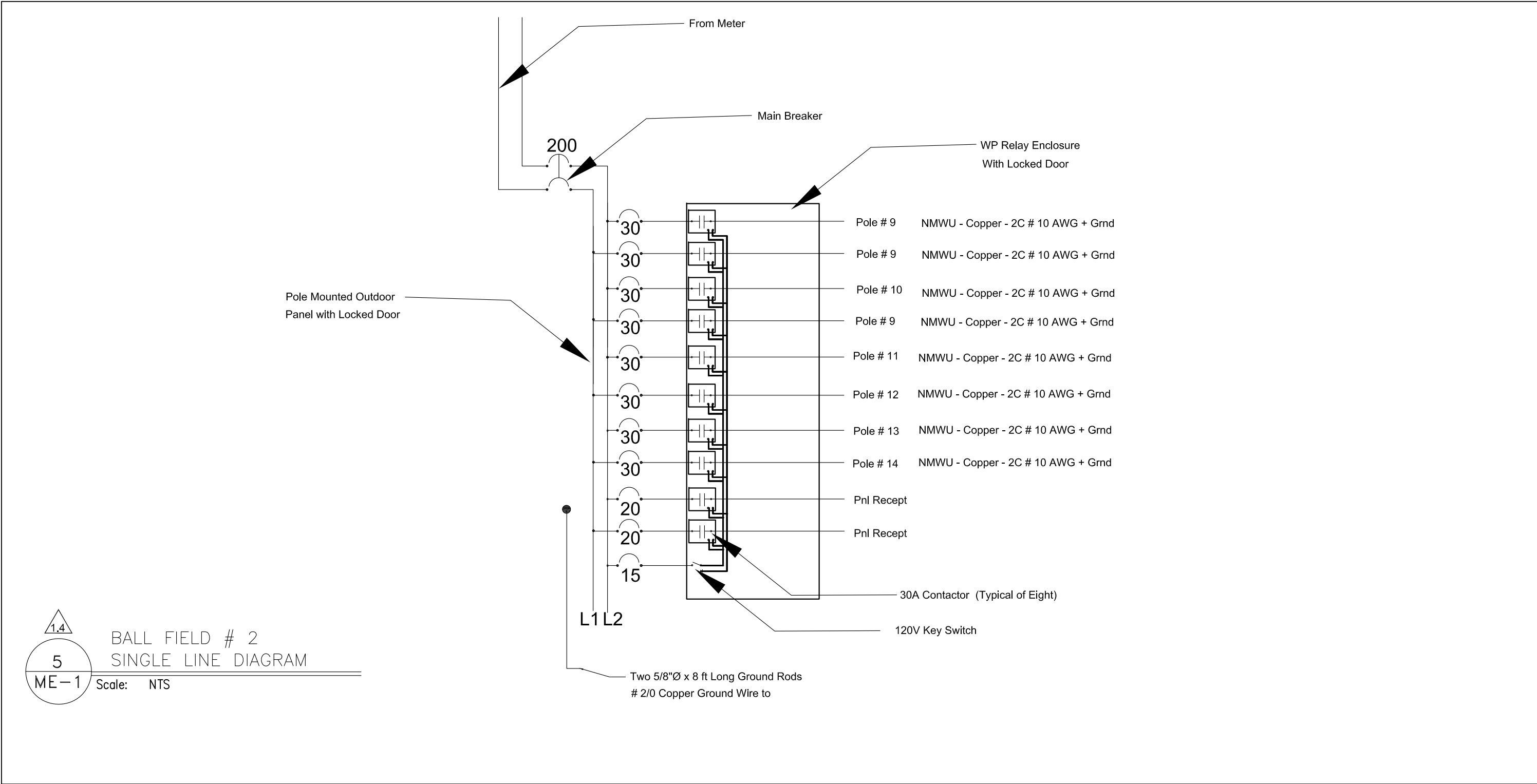
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DESCRIPTION	BKR	CCT	CCT	BKR	DESCRIPTION
Lights LS9	25A1P	1	+	2	25A1P Lights LS10
Lights LS11	25A1P	3	+	4	25A1P Lights LS12
Lights LS13	25A1P	5	+	6	25A1P Lights LS14
Lights LS15	25A1P	7	+	8	25A1P Lights LS16
		9	+	10	
Panel Receptacle	25A1P	11	+	12	25A1P Panel Receptacle
		13	+	14	
		15	+	16	
		17	+	18	
		19	+	20	
		21	+	22	
		23	+	24	

2 PANEL SCHEDULE 'BF2'
ME-1 Scale: NTS

TENDER ADDENDUM # 1 August 15, 2025

- Ball Field # 1 - Existing buried 2"Ø conduit to the scoreboard to remain
- Ball Field # 2 - Existing buried electrical service and pole to remain.
- Ball Field # 2 - Existing meter to be revised to suit new panel and controls
- Ball Fields # 1 & # 2 - Revise single line diagram to incorporate lighting contactors and key switch control.
- Ball Field # 1 - Supply and install a switched ceiling fixture and a receptacle in the new Shed Structure.
Fixture equal to: Halo # EWP15FSDBZ 13W LED LAMP
- Light Fixtures - Ball Field # 1 - See Schedule Detail # 3/E1.
Supply and install new fixtures and cross arms on existing poles. Include the mounting and orientation of the light fixtures to meet the specified illumination levels shown on Detail # 1/E3.
- Light Fixtures - Ball Field # 2 - See Schedule Detail # 4/E2.
Supply and install new fixtures and poles with crossarms. Include the mounting and orientation of the light fixtures to meet the specified illumination levels shown on Detail # 2/E3.

Detail # 1/E1.
Detail # 1/E2.
Detail # 3/E2.
Details # 4 & #5/ME1.
Detail # 3/E1.
Detail # 5/E2.



DRAWING LIST

- ME-1 Specification Notes & Details
ME-2 Removals Plan
E-1 Ball Field # 1
E-2 Ball Field # 2
E-3 Illumination Levels
Ball Fields # 1 & 2

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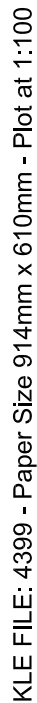
4		
3	Issued for Tender	January 26, 2026
2	TENDER ADDENDUM # 1	August 15, 2025
1	ISSUED FOR TENDER	August 13, 2025
NO.	ISSUE	DATE

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Tel. (705) 522-8110
E-Mail: klang@bellnet.ca

PROFESSIONAL STAMP
NORTH
REGISTERED PROFESSIONAL ENGINEER
4399
K.G. LANG
J. Yang
PROVINCE OF ONTARIO
January 26, 2026

PROJECT:
BALL FIELD IMPROVEMENTS
John Street, Sturgeon Falls, ON

DRAWING:
MECHANICAL - ELECTRICAL
SPECIFICATION NOTES
& DETAILS
DESIGN: K.G.L.
DRAWN: M.J.A.
SCALE: As Noted
CAD FILE: 4399
DATE: JULY 2025
DRAWING NO.:
ME-1
Rev.3
KLE JOB NO:
4399



W1	EXISTING HOSE BIB AND RELATED UNDERGROUND WATER PIPING SYSTEMS TO BE REMOVED MAKE SAFE ALL SYSTEMS
E1	EXISTING RECEPTACLE AND RELATED UNDERGROUND WIRING SYSTEMS TO BE REMOVED MAKE SAFE ALL SYSTEMS
E2	EXISTING POLE MOUNTED LIGHT FIXTURES AND RELATED WIRING SYSTEMS TO BE REMOVED MAKE SAFE ALL SYSTEMS

*Concrete Block
Rink Building*

CB

JOHN
STREET

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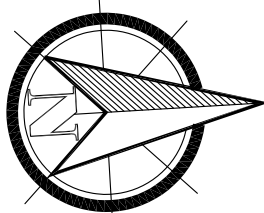
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PROFESSIONAL STAMP



January 26, 2026

PROJECT:

BALL FIELD IMPROVEMENTS

John Street, Sturgeon Falls, ON

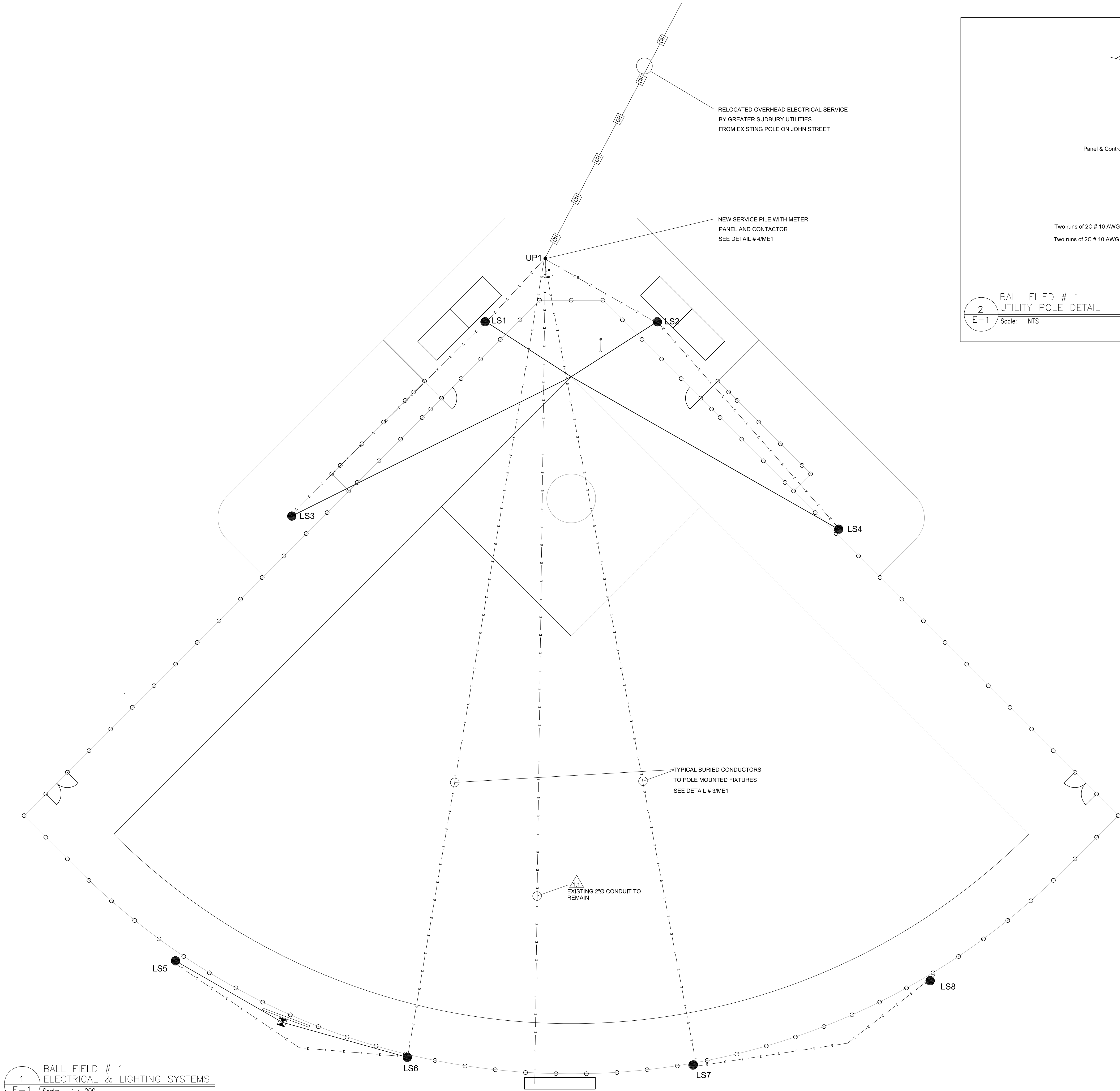
DRAWING:

REMOVALS PLAN

DESIGN: K.G.L.	DRAWING NO.: <div style="font-size: 2em; font-weight: bold; text-align: center;">ME-2</div> Rev.3
DRAWN: M.J.A	
SCALE: As Noted	
CAD FILE: 4399	
DATE: JULY 2025	KLE JOB NO: <div style="text-align: center; font-size: 1.2em;">4399</div>

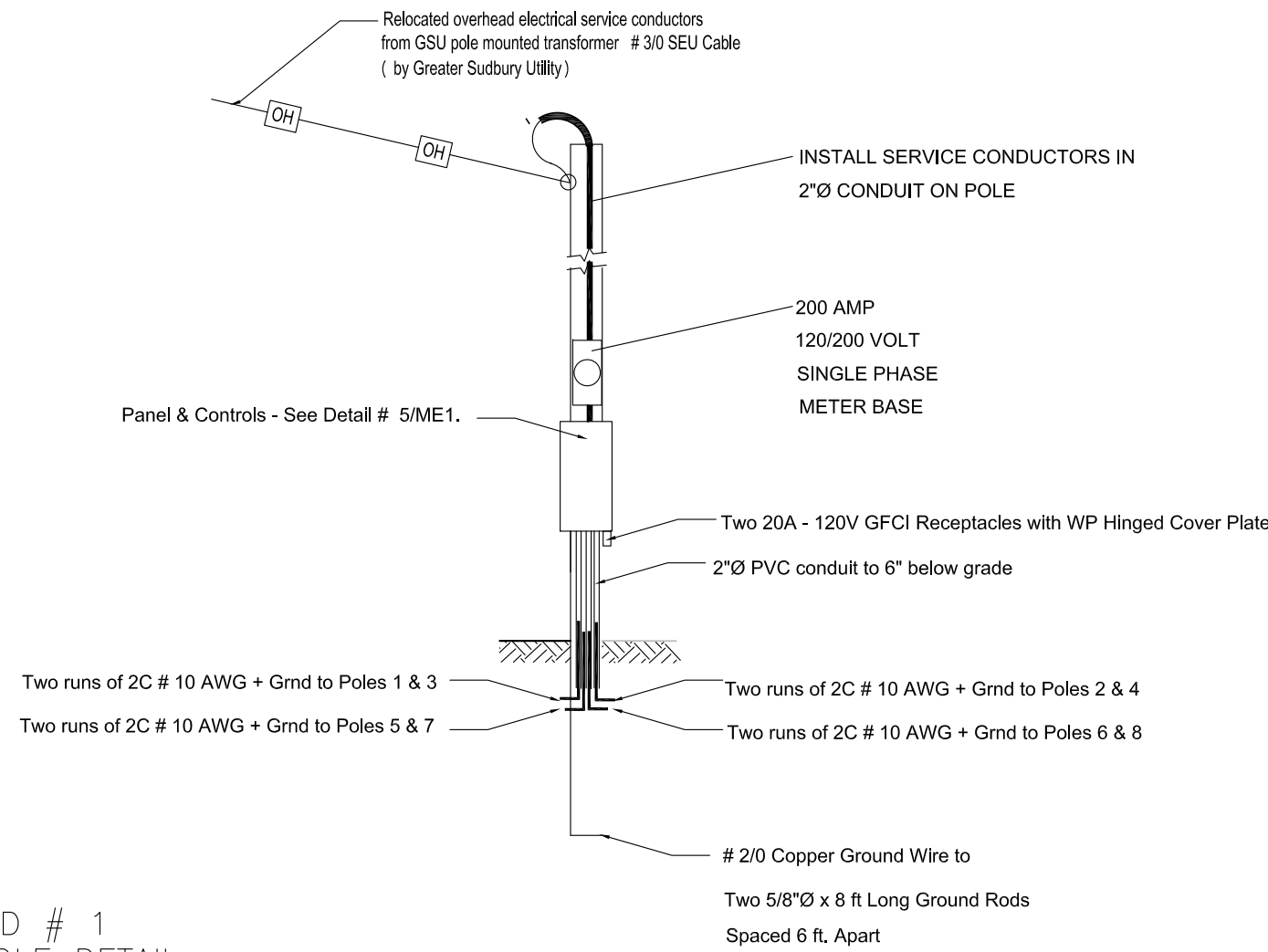
1
E-1

BALL FIELD # 1
ELECTRICAL & LIGHTING SYSTEMS
Scale: 1 : 200



2
E-1

BALL FIELD # 1
UTILITY POLE DETAIL
Scale: NTS

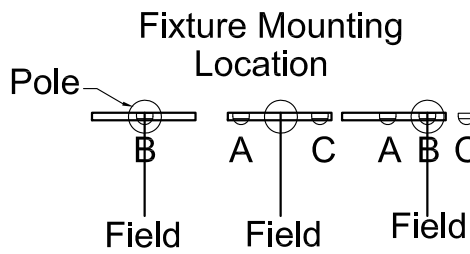


Ball Field # 1 Light Fixture Schedule

# A20	LuxLogic # SFL-ECOL-SF-680W-1020L-20-50K-70-UNV (Yoke)
# A40	LuxLogic # SFL-ECOL-SF-680W-1020L-40-50K-70-UNV (Yoke)
# A60	LuxLogic # SFL-ECOL-SF-680W-1020L-60-50K-70-UNV (Yoke)

Ball Field # 1 Light Fixture Allocation

POLE	FIXTURE MOUNTING		
	A	B	C
LS-1	1 x A40		1 x A60
LS-2	1 x A60		1 x A60
LS-3	1 x A40	1 x A20	1 x A60
LS-4	1 x A60	1 x A20	1 x A60
LS-5	1 x A40	1 x A40	1 x A40
LS-6	1 x A20		1 x A40
LS-7	1 x A60		1 x A40
LS-8	1 x A60	1 x A40	1 x A60



3
E-1

BALL FIELD # 1
LIGHT FIXTURE SCHEDULE
Scale: NTS

FIELD LIGHTING CRITERIA

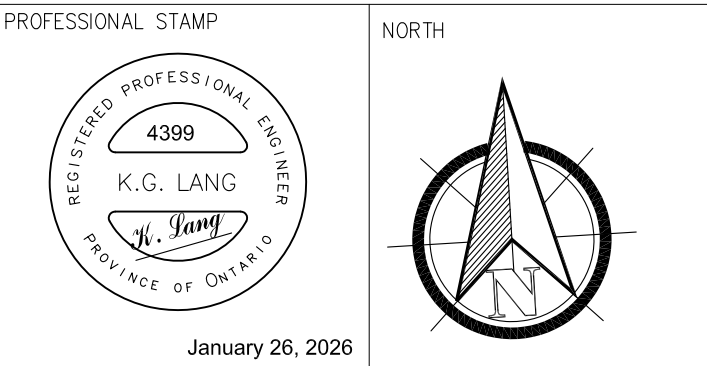
Type IV Class of Play
Infield Average 30 FC at 3 ft. Max/Min Ratio: 2.5:1
Outfield Average 20 FC at 3 ft. Max/Min Ratio: 3:1

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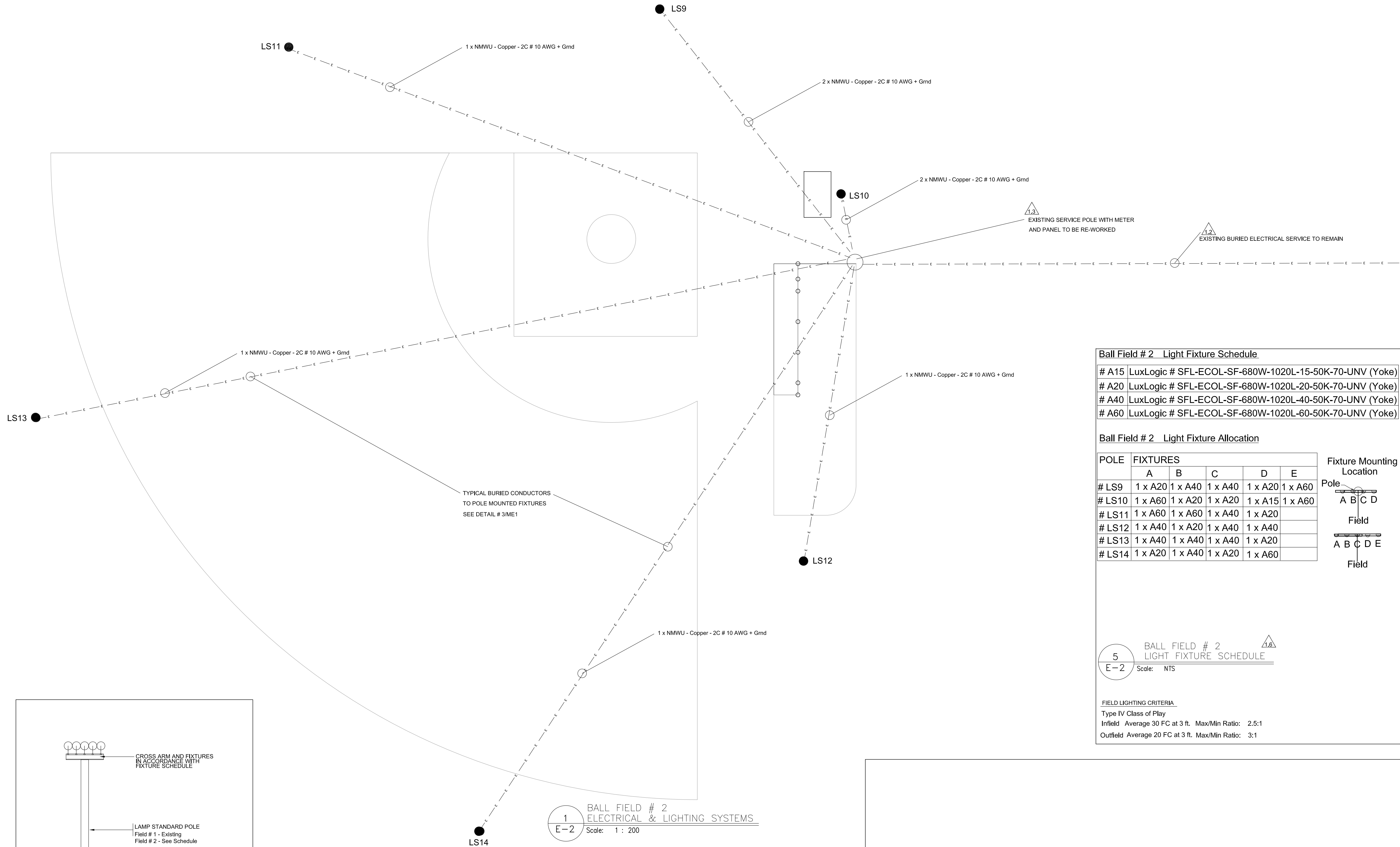
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Sudbury, Ontario P3G 1M4
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E-Mail: klang@bellnet.ca



PROJECT:
BALL FIELD IMPROVEMENTS
John Street, Sturgeon Falls, ON

DRAWING:
NEW ELECTRICAL SYSTEMS
BALL FIELD # 1

DESIGN: K.G.L.	DRAWING NO.: E-1	Rev.3
DRAWN: M.J.A.		
SCALE: As Noted		
CAD FILE: 4399		
DATE: JULY 2025	KLE JOB NO: 4399	



Ball Field # 2 Light Fixture Schedule.

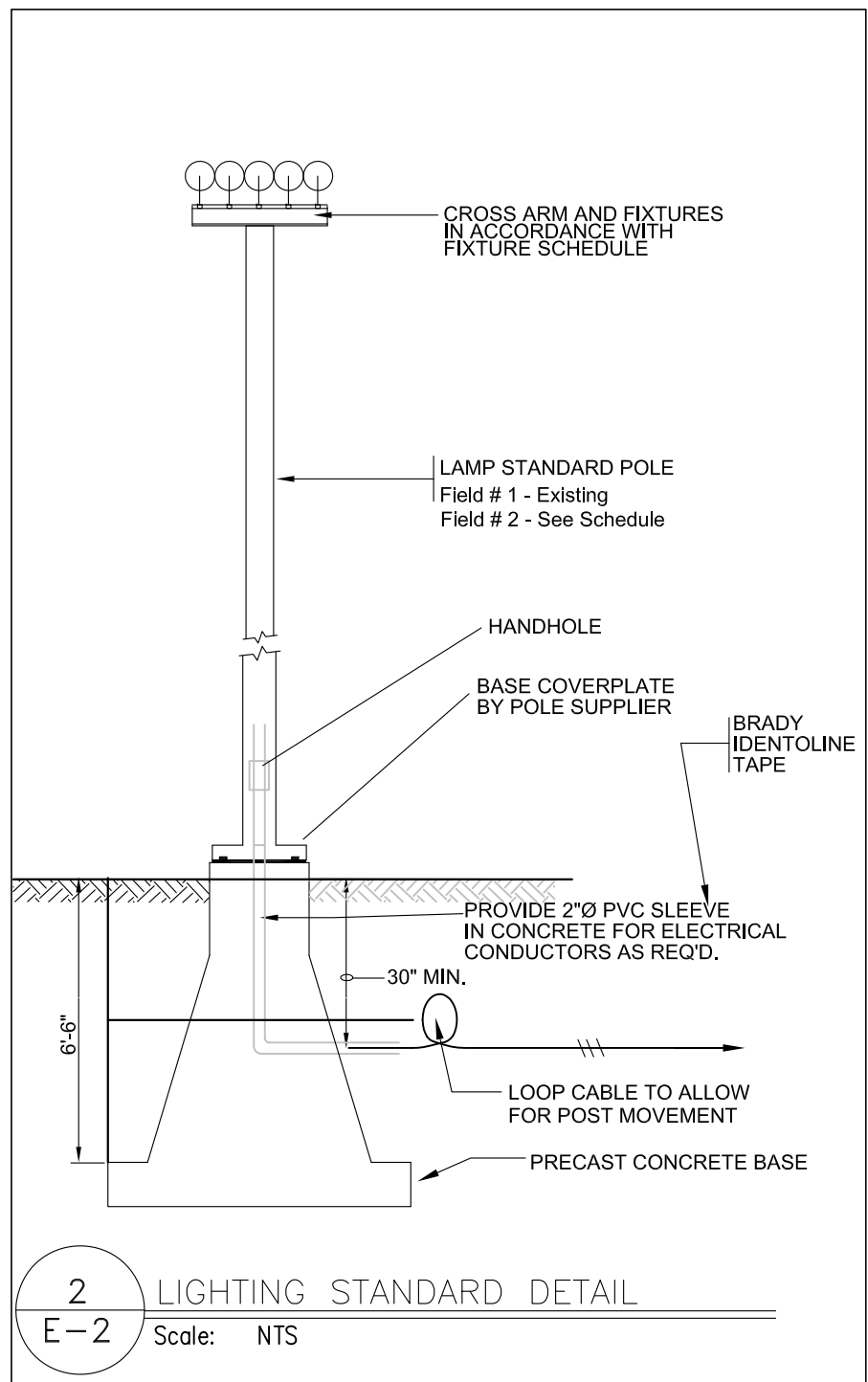
# A15	LuxLogic # SFL-ECOL-SF-680W-1020L-15-50K-70-UNV (Yoke)
# A20	LuxLogic # SFL-ECOL-SF-680W-1020L-20-50K-70-UNV (Yoke)
# A40	LuxLogic # SFL-ECOL-SF-680W-1020L-40-50K-70-UNV (Yoke)
# A60	LuxLogic # SFL-ECOL-SF-680W-1020L-60-50K-70-UNV (Yoke)

Ball Field # 2 Light Fixture Allocation

POLE	FIXTURES					Fixture Mounting Location
	A	B	C	D	E	
# LS9	1 x A20	1 x A40	1 x A40	1 x A20	1 x A60	Pole A B C D
# LS10	1 x A60	1 x A20	1 x A20	1 x A15	1 x A60	
# LS11	1 x A60	1 x A60	1 x A40	1 x A20		Field A B C D E
# LS12	1 x A40	1 x A20	1 x A40	1 x A40		
# LS13	1 x A40	1 x A40	1 x A40	1 x A20		
# LS14	1 x A20	1 x A40	1 x A20	1 x A60		

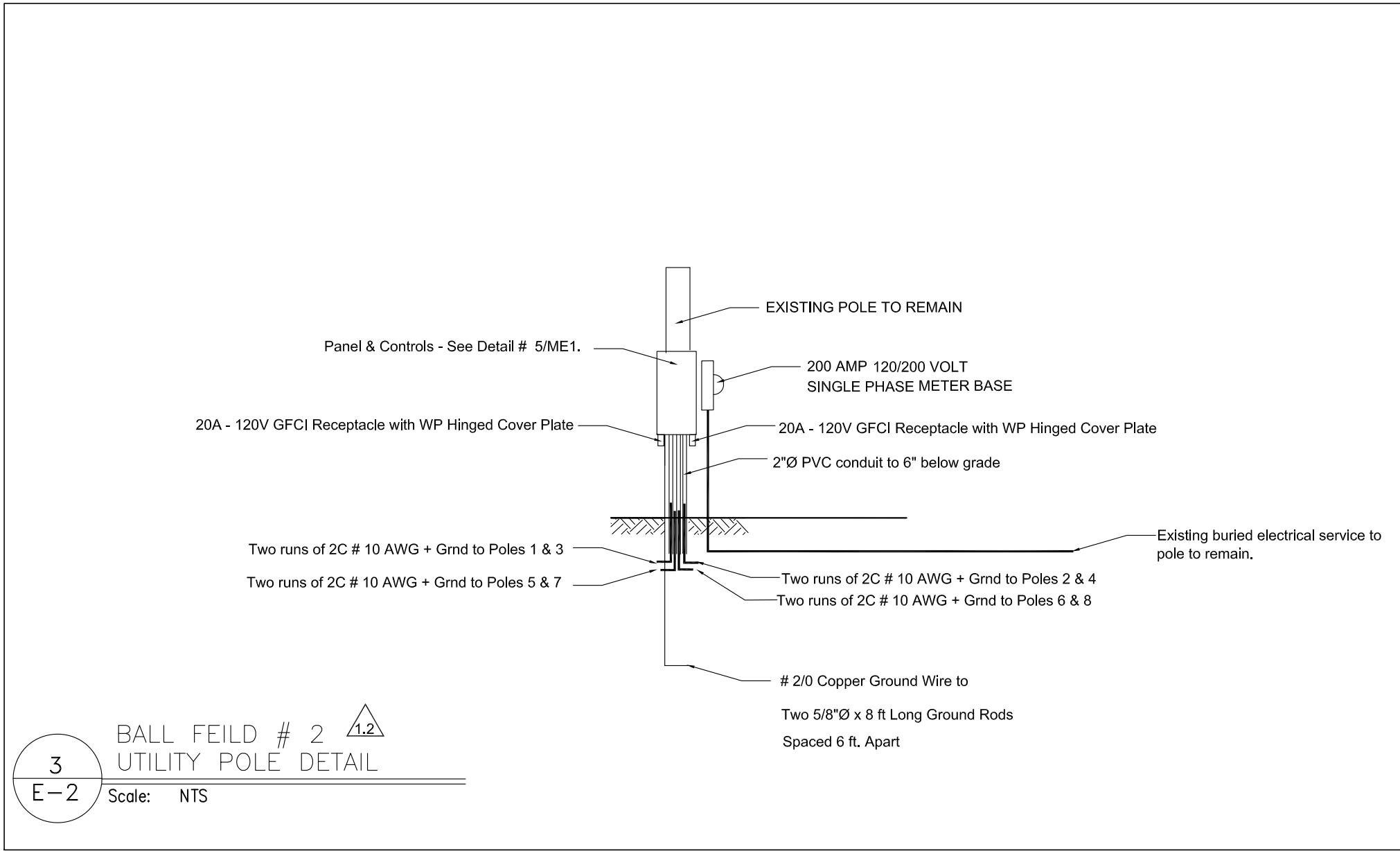
5 BALL FIELD # 2 LIGHT FIXTURE SCHEDULE
E-2 Scale: NTS

FIELD LIGHTING CRITERIA
Type IV Class of Play
Infield Average 30 FC at 3 ft. Max/Min Ratio: 2.5:1
Outfield Average 20 FC at 3 ft. Max/Min Ratio: 3:1



3 LIGHTING POLE
E-2 Scale: NTS

BASE - Anchor Plate
CONSTRUCTION - Painted Steel
HEIGHT - 40 ft.
DIAMETER - 8" Tapered
ACCESSORIES - Handhole at base - 72" long cross arm
Fixture EPA: 5 fixtures at 0.45 sf to 0.90 sf



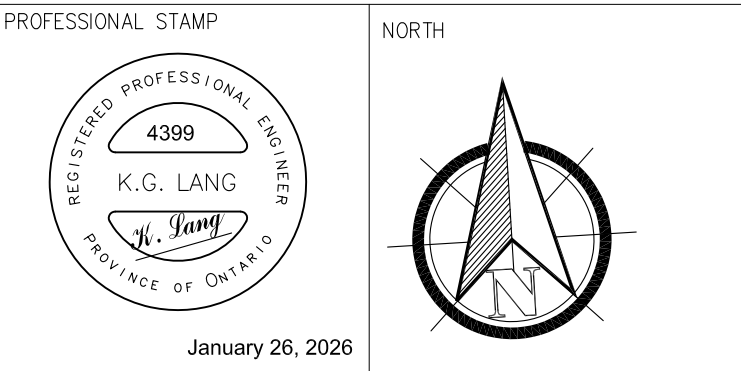
3 BALL FEILD # 2 UTILITY POLE DETAIL
E-2 Scale: NTS

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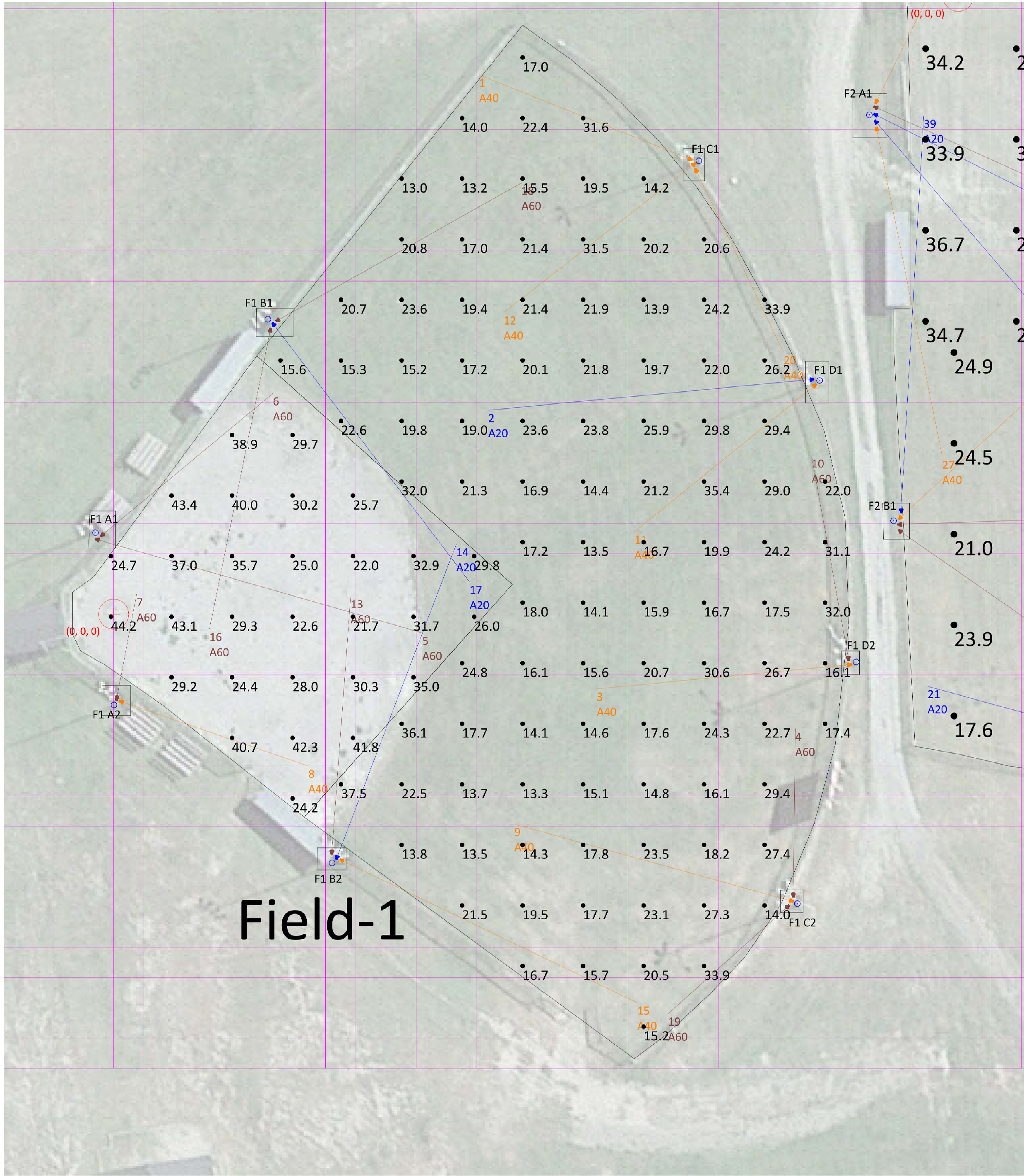
PROJECT:

BALL FIELD IMPROVEMENTS
John Street, Sturgeon Falls, ON

DRAWING:

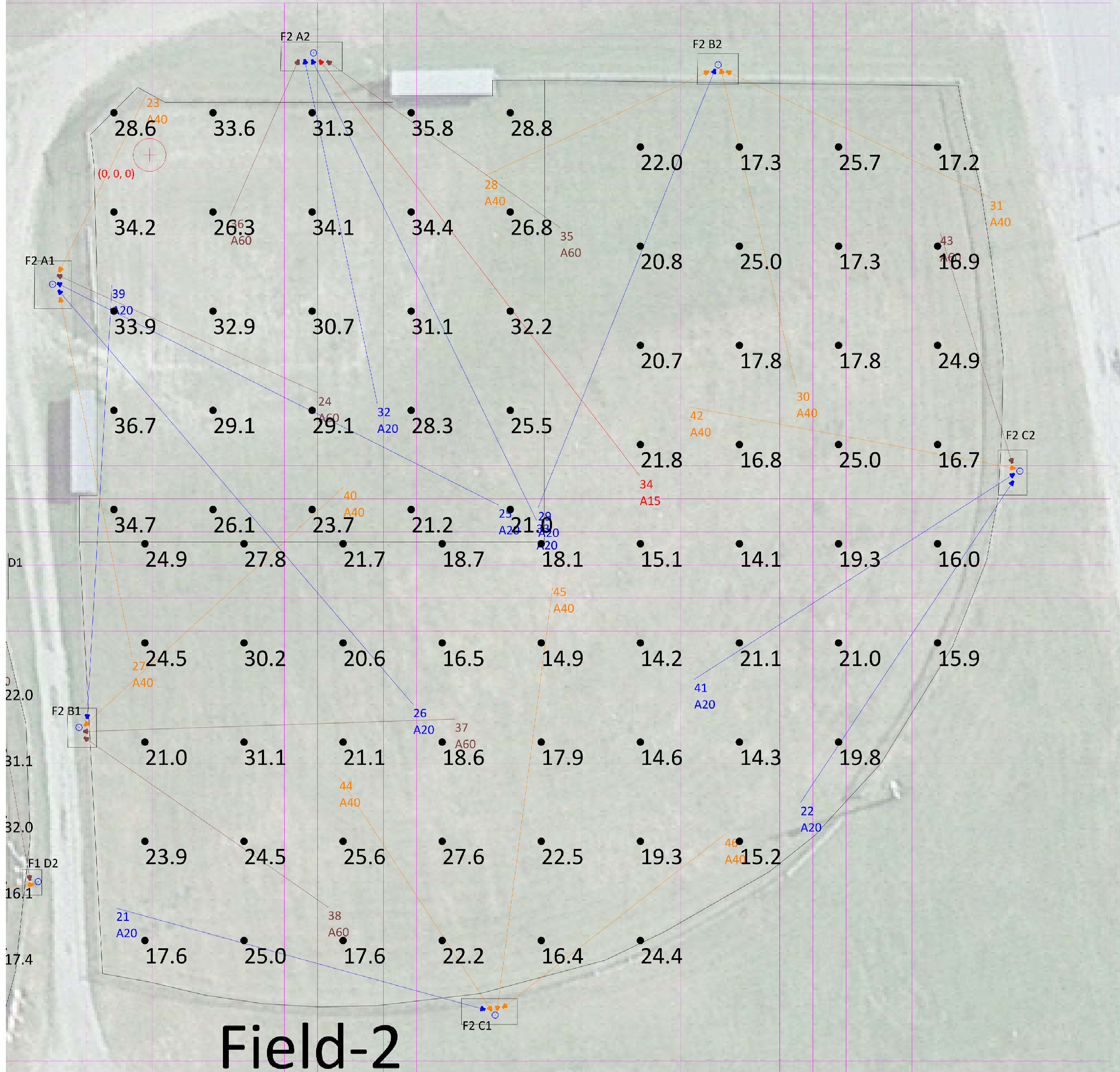
NEW ELECTRICAL SYSTEMS
BALL FIELD # 2

DESIGN: K.G.L.	DRAWING NO.:
DRAWN: M.J.A.	E-2
SCALE: As Noted	Rev.3
CAD FILE: 4399	KLE JOB NO:
DATE: JULY 2025	4399



Field-1
Scale: 1 inch= 20 Ft.

1 BALL FIELD # 1
E-3 ILLUMINATION LEVELS
Scale: as noted



Field-2
Scale: 1 inch= 16 Ft.

2 BALL FIELD # 2
E-3 ILLUMINATION LEVELS
Scale: as noted

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NORTH
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K.G. LANG
J. Lang
PROVINCE OF ONTARIO
January 26, 2026

PROJECT:
BALL FIELD IMPROVEMENTS
John Street, Sturgeon Falls, ON

DRAWING:
ILLUMINATION LEVELS
BALL FIELDS # 1 & # 2

DESIGN: K.G.L.	DRAWING NO.:
DRAWN: M.J.A.	E-3
SCALE: As Noted	Rev.3
CAD FILE: 4399	KLE JOB NO:
DATE: JULY 2025	4399