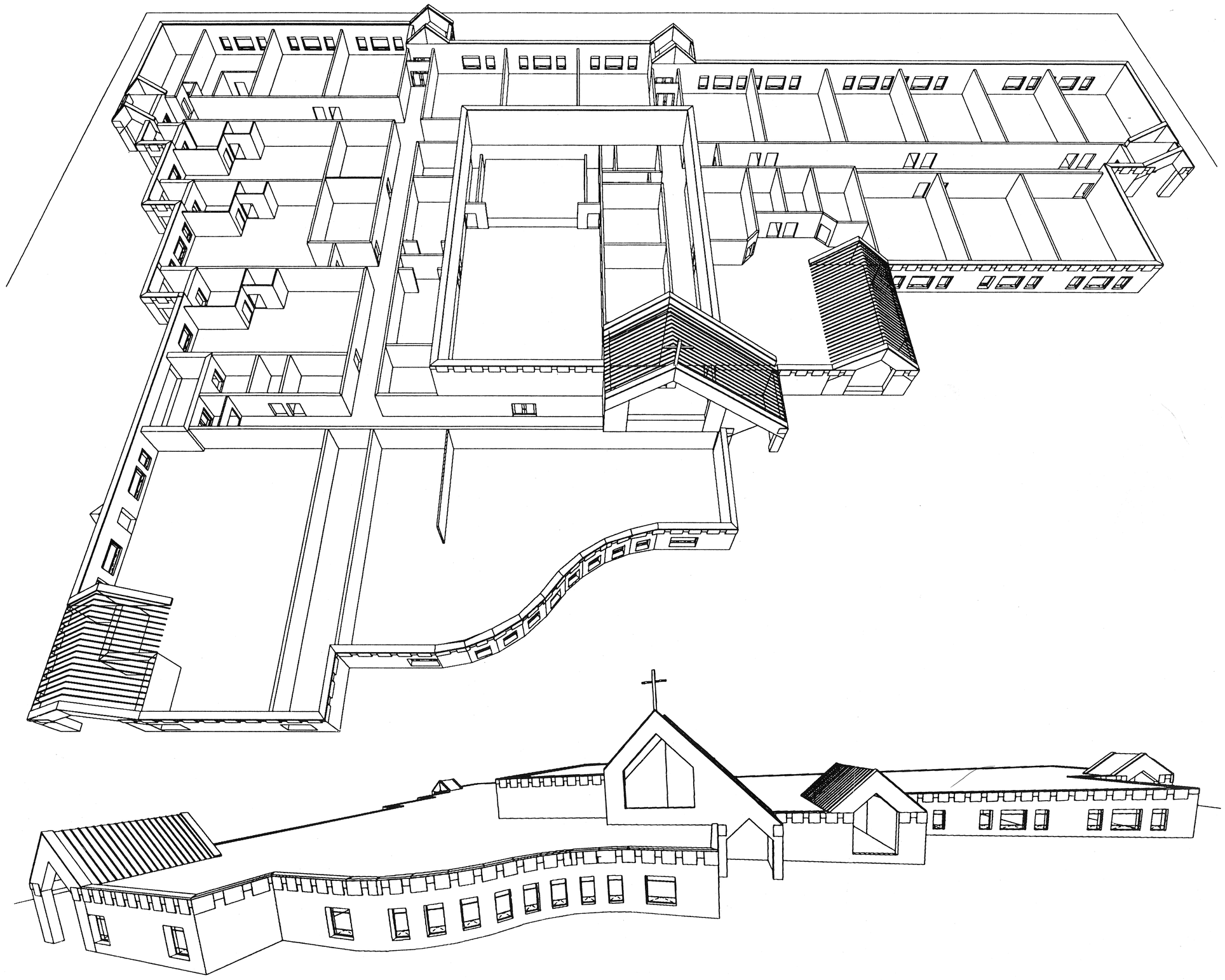


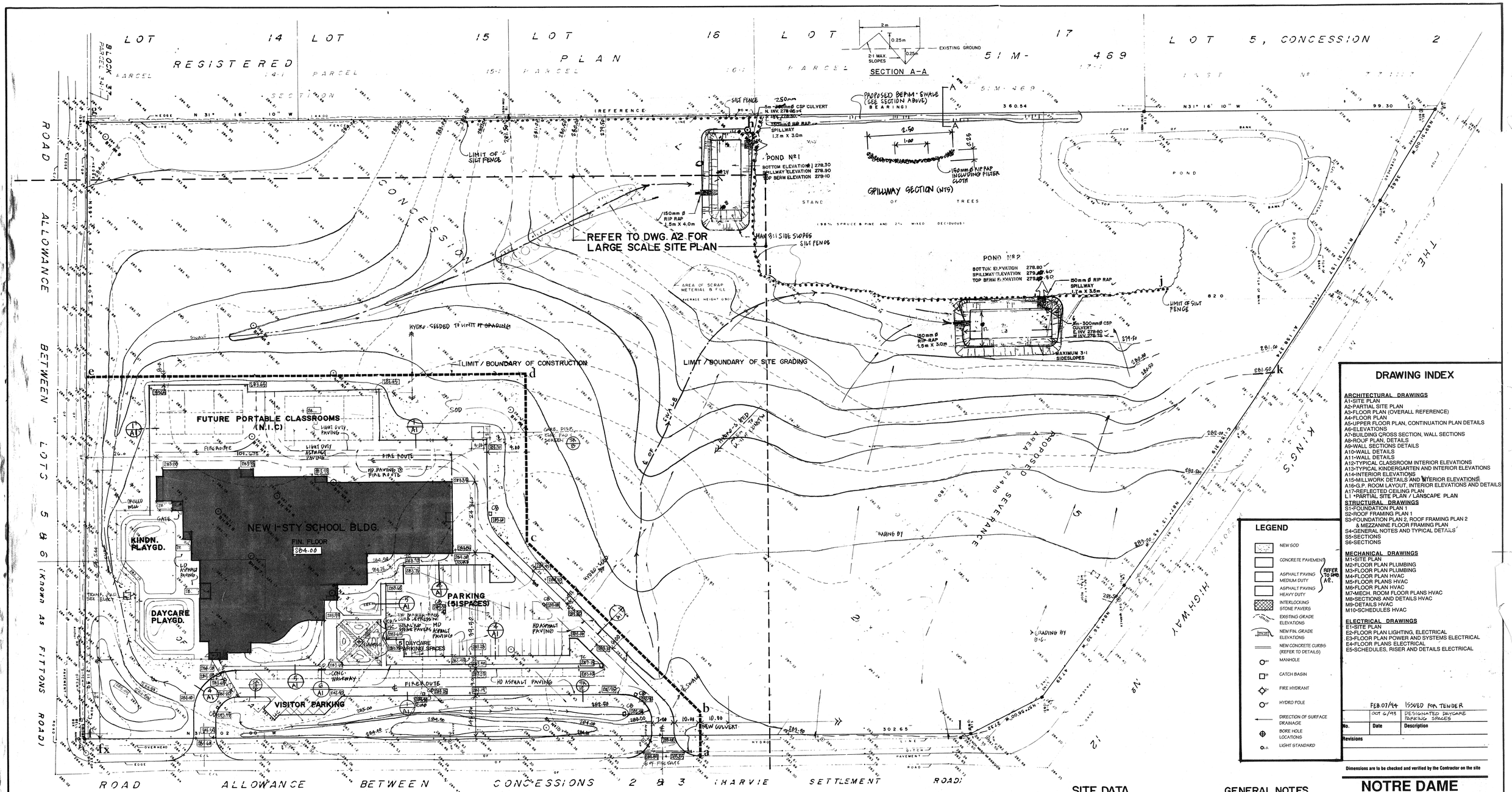
NOTRE DAME CATHOLIC SCHOOL

Orillia, Ontario

February 7, 1994

The Simcoe County Roman Catholic Separate School Board ■ R.H. Carter Architects, Inc.

NOTRE DAME



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LEGEND

- NEW SOD
- CONCRETE PAVEMENT
- ASPHALT PAVING MEDIUM DUTY
- ASPHALT PAVING HEAVY DUTY
- INTERLOCKING STONE PAVERS
- EXISTING GRADE ELEVATIONS
- NEW FIN. GRADE ELEVATIONS
- NEW CONCRETE CURBS (REFER TO DETAILS)
- MANHOLE
- CATCH BASIN
- FIRE HYDRANT
- HYDRO POLE
- DIRECTION OF SURFACE DRAINAGE
- BORE HOLE LOCATIONS
- LIGHT STANDARD

(REFER TO DWG A2.)

No.	Date	Description
	OCT 6/93	DESIGNATED DAYCARE PARKING SPACES
	FEB.07/94	ISSUED FOR TENDER

Revisions

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

SITE PLAN

PLAN SHOWING ELEVATIONS
ON PART OF
LOT 5
CONCESSION 2
TOWNSHIP OF ORILLIA
(SOUTHERN DIVISION)
AND PART OF
LOT 5
CONCESSION 2
TOWNSHIP OF ORILLIA
(SOUTHERN DIVISION)
now in the CITY OF ORILLIA
COUNTY OF SIMCOE
SCALE 1:500
30 0 5 10 20 30 50 Metres

RODNEY C. RAIKES O.L.S.
1992
© RAIKES & BOWERS SURVEYING LTD. 1992

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
THE FIELD SURVEY REPRESENTED BY THIS PLAN WAS COMPLETED ON THE 8th. DAY OF DECEMBER, 1992

DATE: DECEMBER 10, 1992

Rodney C Raikes
RODNEY C. RAIKES
ONTARIO LAND SURVEYOR

NOTES

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE EASTERLY LIMIT OF REGISTERED PLAN 51M-469, SHOWN AS N31°16'10"W ON SAID PLAN.

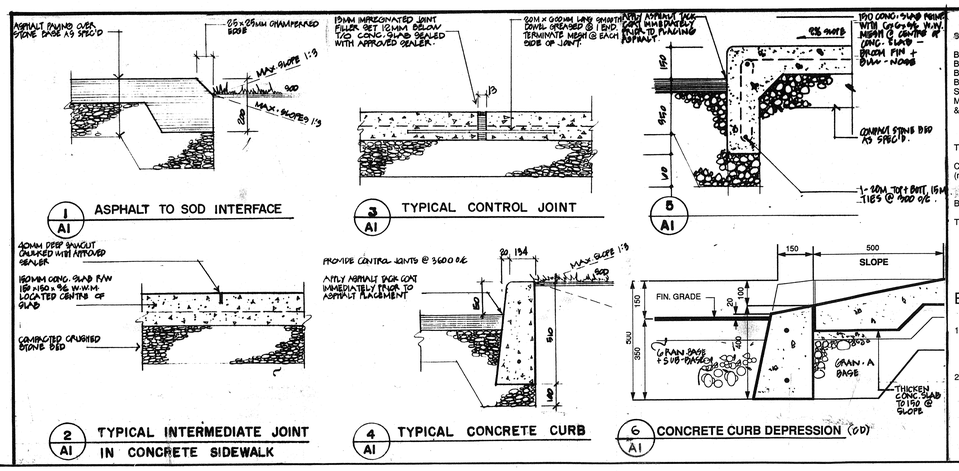
- ■ DENOTES SURVEY MONUMENT FOUND
- □ SURVEY MONUMENT PLANTED
- SIB STANDARD IRON BAR
- IB IRON BAR
- D&S DEARDEN & STANTON LTD. O.L.S.
- MTO MINISTRY OF TRANSPORTATION OF ONTARIO
- HP HYDRO POLE
- BH BORE HOLE

ELEVATIONS

ELEVATIONS ARE GEODETIC IN ORIGIN AND ARE DERIVED FROM M.T.C. B.M. NO. 868009 ELEVATION = 283.60.

METRIC

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.



SITE DATA

SITE AREA	83070SM
BUILDING AREA (GFA)	
BUILDING 'A'	1262.05 SM
BUILDING 'B'	1873.00 SM
BUILDING 'C'	718.01 SM
SUB-TOTAL GFA	3853.06 SM
MECHANICAL ROOM	202.74 SM
& MEZZANINE	27.00 SM
TOTAL GFA	4082.80 SM(43,948 SF)
CANOPY ENT/EXIT AREAS (not part of Total GFA)	67.16 SM
BUILDING COVERAGE(%)	4.63%
TOTAL PARKING	56 SPACES (2 HANDICAP)

BUILDING CLASSIFICATION

1. GROUP A, DIVISION 2 ASSEMBLY OCCUPANCY, UNSPRINKLERED, FACING 1 STREET, ANY BUILDING HEIGHT, ANY BUILDING AREA OBC SECTION 3.2.2.23
2. ROOF ASSEMBLY - 1 HR. FIRE SEPARATION
ULC ASSEMBLY NO. R210
ULC ASSEMBLY NO. R805
(MECHANICAL ROOM ROOF RTG.)

GENERAL NOTES

1. Site Plan information was obtained from copy of plan showing elevations on Part of Lot 5, Concession 2, Township of Orillia (Southern Division) and Part of Lot 5, Concession 2 (Southern Division) now in the City of Orillia, County of Simcoe as prepared by Rodney Raikes, O.L.S. of Raikes & Bowers Surveying Ltd., dated December 10, 1992.
2. Elevations are geodetic in origin and are derived from M.T.C. Bench Mark No. 868009, Elevation 283.60.
3. Worksite 'A' is bounded by a, b, c, d, e, f, fx, . Worksite 'B' is bounded by a, b, c, d, e, g, h, i, j, k, l. Submit separate price for Worksite 'B'. Worksite 'B' shall form part of this contract. Contractor is to restrict all work, equipment, and material storage within worksite boundary except where noted otherwise.
4. Soil test records are contained in a report as prepared by Peto-McCallum Ltd., Consulting Engineers, dated as December, 1992 and referenced as 92BF056. A copy of this report will be included in the specifications.
5. All onsite driveways and parking areas shall have continuous concrete curbs unless noted otherwise. Refer to Site Plan details.
6. All onsite walkways shall be 1500 wide unless noted otherwise.
7. Finished paving and grading shall be to new elevations as indicated. Grading slopes are to be positive and shall be 1:12 and 1:3 maximum asphalt and concrete paving shall slope minimum of 1% away from building unless noted otherwise.
8. Provide berms and /or banked areas to approximate size, location, and elevations indicated. Supply and install top soil and seed/sod as required. Meet all grades at the property.
9. Driveways are to be paved within the city road allowance under this contract.

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North	Dwg. North
Scale	1:500
Date	JUNE 1993
Printed	
Project No.	92 - 56
Dwg. No.	A1

ALLOWANCE BETWEEN LOTS 5 & 6 (KNOWN AS FITTONS ROAD)

ROAD ALLOWANCE BETWEEN CONCESSIONS 2 & 3 (HARVIE

LEGEND

- LIGHT DUTY ASPHALT PAVING
- NEW SOD
- CONCRETE PAVEMENT
- ASPHALT PAVING MEDIUM DUTY
- ASPHALT PAVING HEAVY DUTY
- INTERLOCKING STONE PAVERS
- 274.00 EXISTING GRADE ELEVATIONS
- 274.25 NEW FIN. GRADE ELEVATIONS
- NEW CONCRETE CURBS (REFER TO DETAILS)
- MH MANHOLE
- CB CATCH BASIN
- FH FIRE HYDRANT
- HP HYDRO POLE
- DIRECTION OF SURFACE DRAINAGE
- BORE HOLE LOCATIONS
- L.S. LIGHT STANDARD
- 4"ø SUBSURFACE WEEPER FLEX-DRAIN PIPE- 0.5% (REFER TO DETAIL SK-19)
- 4"ø WEEPER FLEXIBLE PIPING W/O. 5% SLOPE TO OUTLET AS PER DETAIL (REFER TO DETAIL SK-11)

FEB 07/94 ISSUED FOR TENDER

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

PARTIAL SITE PLAN

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 ARLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5883 FAX 416-233-5885

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North / Dwg. North	
Scale	1:300
Date	JUNE 1993
Printed	
Project No.	92-56
Dwg. No.	A2

BUILDING 'A'

GROUND FLR. AREA = 1262.05 SM

BUILDING 'B'

GROUND FLR. AREA = 1873.00 SM

BUILDING 'C'

GROUND FLR. AREA = 718.01 SM

FIRE SEPARATIONS

2 HR. WALLS

1 HR. WALLS

SPECIAL EDUCATION 148

RESOURCE WITHDRAWAL 149

WATER/ FILTRATION & PUMPROOM P.M. 201

TMR 147

CLASSROOM 150

CLASSROOM 151

VEST. 152

CORR. 152

CLASSROOM 154

CLASSROOM 155

CLASSROOM 156

VESTIBULE 189

CORR. 190

CLASSROOM 188

CLASSROOM 187

CLASSROOM 186

CLASSROOM 184

CLASSROOM 183

CLASSROOM 182

REFER TO DWG A4 + A5 FOR COAT RACK SPACERS

VEST. 146

CORRIDOR 145

CORRIDOR 157

CORRIDOR 195

CORRIDOR 185

VEST 181

KINDERGARTEN 142

COATS 140

WR. 141

BOYS' WR. 144

ACADEMIC STORAGE 158

STAGE / LUNCH RM. 159

STG. RM. 160

CORR. 161

KITCHEN 162

GUIDANCE 171

SEMINAR RM. 172

WORK RM. 173

AUDIO VISUAL RM. 174

CLASSROOM 175

CLASSROOM 176

CLASSROOM 177

ACADEMIC STG. 180

OUTDOOR STG. 179

EQUIPMENT STG. RM. 178

COATS 139

WR. 138

GIRLS' WR. 143

CORR 165

KINDERGARTEN 137

BOYS' WR. 168

CORRIDOR 181

SHADED AREA INDICATES MECHANICAL PLANT OVER

KINDERGARTEN 134

COATS 136

WR. 135

GENERAL PURPOSE RM. 163

GIRLS' WR. 169

RESOURCE CENTRE 170

DAYCARE OUTDOOR STG. 131

ELECTRICAL RM. 132

STG. 133

LINE OF OVERHANG OVER

ENTRANCE VESTIBULE 100

VEST. 130

2-HR. FIREWALL

CORRIDOR 107

FOYER 101

STOR 125B

STG. 115

SCHOOLERS 128

WR 129

COATS 127

PANTRY 116

114

HEALTH OFFICE 108

OFFICE 106

RECEPTION 102

VICE PRINCIPAL 103

KIT. 117

M.WR 112

M.WR 113

RECEPTION DESK (N16)

PRINCIPAL 104

WORKRM. 109

ADMIN. OFFICE 105

PRESCHOOLERS 124

WR 123

CORR 126

COFFEE 111

LAUNDRY RM. 118

HC. WR. 119

STAFF RM. 110

STOR 125

QUIET SPACE

STAFF RM. 122

COATS 121

OFFICE 120

VEST 199

REFER TO DRAWING A4 FOR LARGE SCALE PLAN

REFER TO DRAWING A5 FOR LARGE SCALE PLAN

101 675

No.	Date	Description
	FEB. 07/94	ISSUED FOR TENDER
	OCT 6/93	DESIGNATED QUIET SPACE

Revisions

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

FLOOR PLAN
(OVERALL REFERENCE)

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE
2696

True North	Dwg. North
Scale	1:125
Date	
Printed	
Project No. 92-56	Dwg. No. A3

WATER FILTRATION/ PURIFICATION ROOM 201

SPECIAL EDUCATION 72M² 148 REFER TO DWG A12 FOR LARGE SCALE PLAN

RESOURCE WITHDRAWAL 149

CLASSROOM 150 72M²

CLASSROOM 151 72M²

TMR 147

SHOWER 197

VEST. 146

CORRIDOR 145

KINDERGARTEN 142 88.51 M²

COATS 140

WR. 141

BOYS' WR. 144

COATS 139

WR. 138

GIRLS' WR. 143

KINDERGARTEN 137 100.99 M²

KINDERGARTEN 134 88.57 M²

COATS 136

WR. 135

DAYCARE OUTDOOR STG. 132

ELECTRICAL RM. 133

CORRIDOR 130

SCHOOLERS 128

PRESCHOOLERS 124

WR 129

WR 123

CORR 126

KIT. 117

STG. 115

PANTRY 116

STOR 125A

COATS 127

STOR 125

STAFF RM. 122

COATS 121

OFFICE 120

VEST. 199

CLERESTORY WINDOW

ACADEMIC STORAGE 158

STR. NO. 1

STAGE / LUNCH RM. 159 69M²

STAGE CORR. 191

STAGE CORR. 192

GYM STORAGE 167

GIRLS CHANGE ROOM 166

GENERAL PURPOSE RM. 28.9M² 163 REFER TO DWG. A12 FOR LARGE SCALE DWG.

BOYS CHANGE ROOM 164

CLASSROOM 154 72M²

CLASSROOM 155 72M²

CLASSROOM 156 72M² REFER TO DWG A12 FOR TYPICAL CASE WORK SCALE PLAN

CORR. 152

VEST. 153

CORRIDOR 157

STR. NO. 3 193

STR. NO. 2

STG. RM. 160

SLOP SINK

CORR. 161

KITCHEN 162

CORRIDOR 195

BOYS' WR. 168

GIRLS' WR. 169

VESTIBULE 189

CLASSROOM 188 72M²

CLASSROOM 187 72M²

CORR. 190

CORRIDOR 196

GUIDANCE 171

SEMINAR 172

WORK RM. 173

AUDIO VISUAL RM. 174

GUIDANCE OFFICE 198

RESOURCE CENTRE 170 252M²

ENTRANCE VESTIBULE 100

FOYER 101

RECEPTION 102

VICE PRINCIPAL 103

PRINCIPAL 104

ADMIN. OFFICE 105

OFFICE 106

HEALTH OFFICE 108

WORKRM. 109

COFFEE 111

LAUNDRY RM. 118

HC. WR. 119

STAFF RM. 110

QUIET SPACE

ACADEMIC STORAGE 114

M.WR. 113

W.WR. 112

WR 108A

CORRIDOR 107

CHAIR STOR. 194

CHAIR STORAGE AT U/S OF STAGE

SCALE 1:100

NOTES

NOTES

- ⬡ indicates HM frame type (see specifications)
- C.H. indicates recessed and semi-recessed convector or forced flow heater (see mech. dwgs.)
- For room and door finish schedules, see specifications.
- All interior walls LWB (140 thick unless otherwise noted) - extend to u/s of deck or slab above.
- Extend to 200 mm min above ceiling all nibs at coat racks, furring, washroom and changeroom screen walls - unless otherwise noted.
- All gypsum board ceilings and bulkheads to be 2 layers 15.9 GB-FR on metal furring @ 400 oc max (1 hr. FR).
- All steel lintels exposed to the exterior are to be galvanized - see specifications.
- Gypsum board bulkheads (GBBH) to be fire-rated (60 MFR) where they form part of a fire rated floor/ceiling, roof or wall assembly and shall be to the approval of the Ontario Fire Marshall.

PARTITION SCHEDULE

TYPE	DESCRIPTION	REMARKS
P1	13 mm G.W.B. ADHESIVE APPLIED TO CONC OR MASONRY	
P2	13 mm G.W.B. 22 mm FURRING CHANNEL @ 400 O.C.	
P3	13mm G.W.B. 92 mm METAL STUDS @ 400 O.C. BRACED AS REQ'D.	
P4	13 mm G.W.B. 63 mm FURRING CHANNEL @ 400 O.C. R2000 INSULATION B.V.B.	
P5	13mm G.W.B. 92 mm METAL STUDS @ 400 O.C. 13mm G.W.B.	STC 39 STC 45 WITH 38 mm A.F.B.
P6	SIMILAR TO P5 WITH 13 mm FIRECODE 'C' G.W.B.	1HR. FIRE RATED U.L.C. W 409

'S' DESIGNATES NOQUSTIC INSULATED PARTITION CARRY PARTNS TO U/S ROOF DECK.

No.	Date	Description
	FEB. 07/14	ISSUED FOR TENDER
	OCT 6/13	DESIGNATED QUIET SPACE + DIM BASE OFFSETS @ DAYCARE

Revisions

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

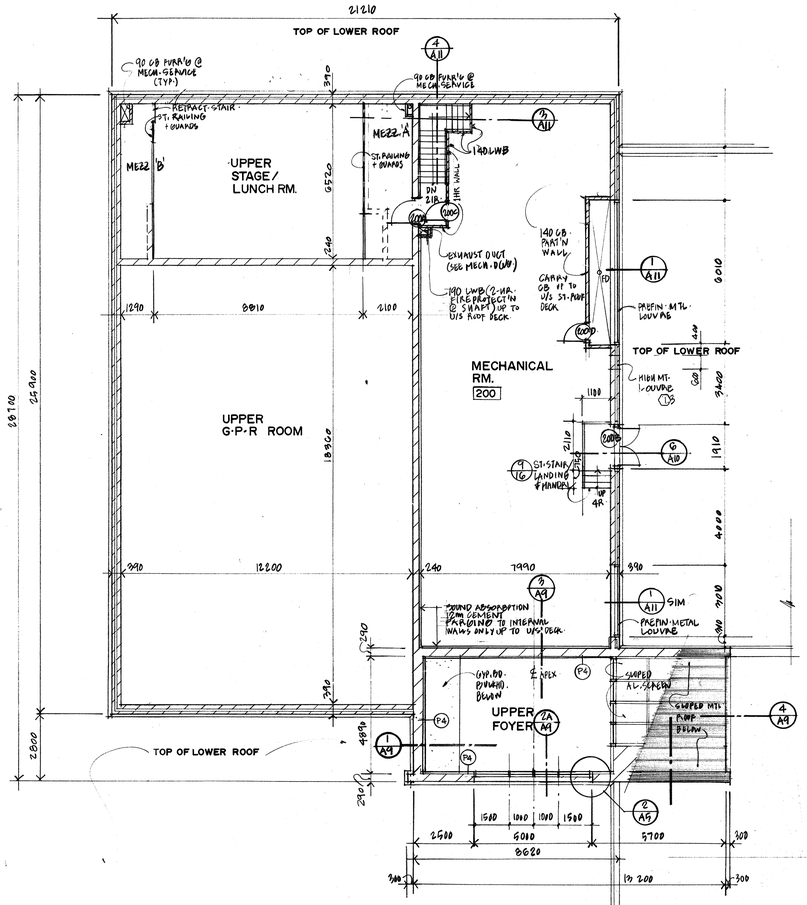
FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

FLOOR PLAN

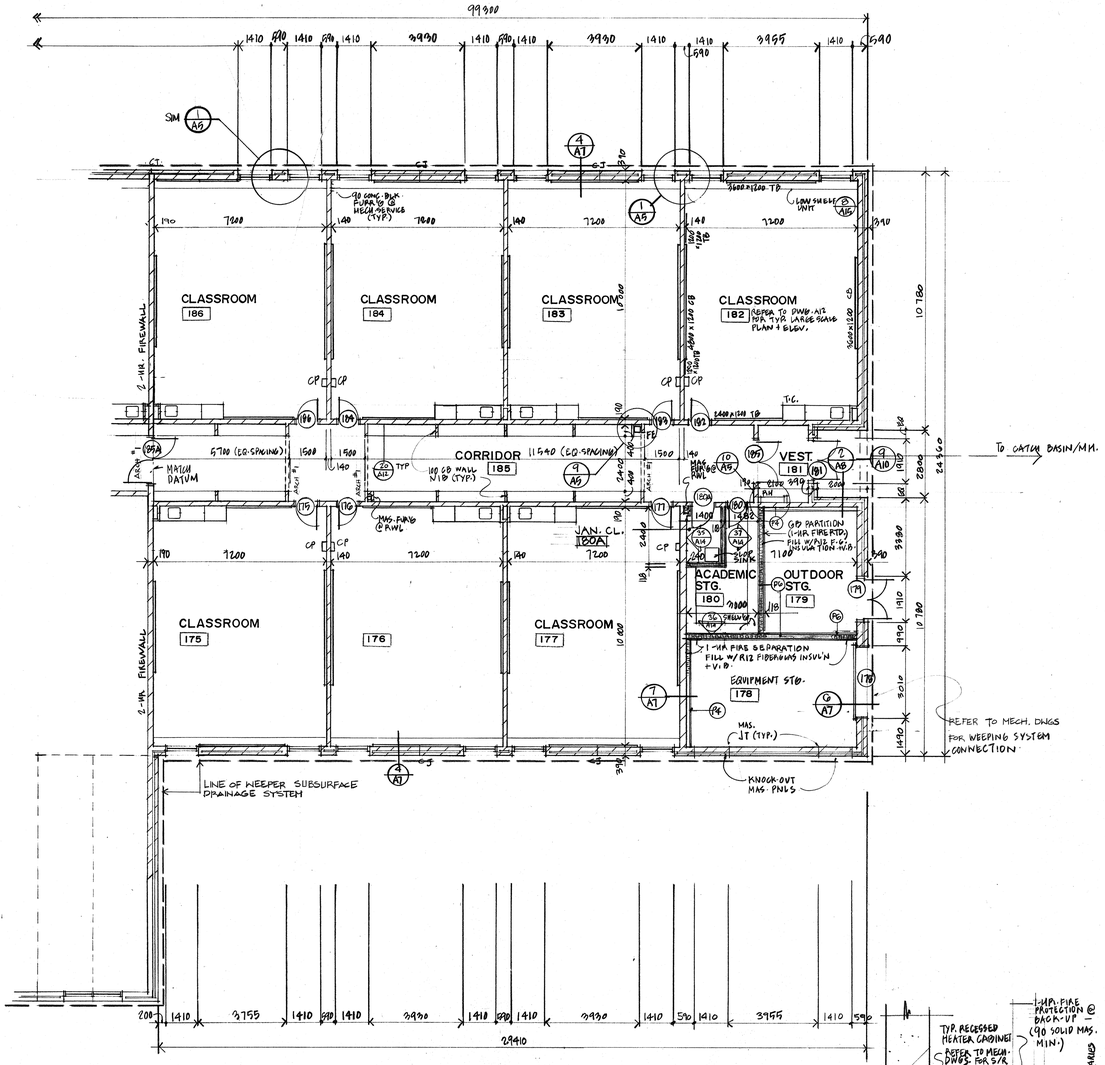
R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

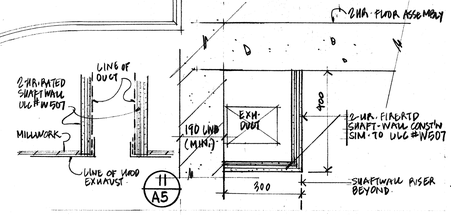
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Printed	
Project No. 92-56	Dwg. No. A4



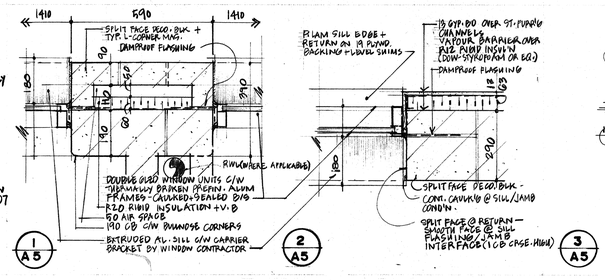
UPPER FLOOR PLAN
SCALE 1:100



GROUND FLOOR PLAN (CONTINUATION)
SCALE 1:100



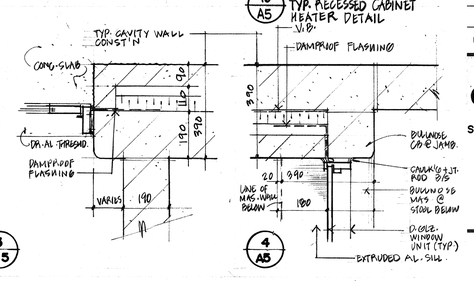
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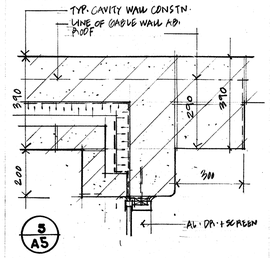
1 A5

2 A5

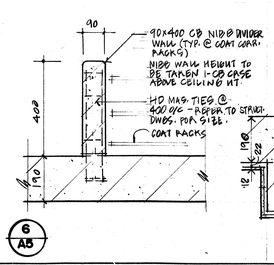
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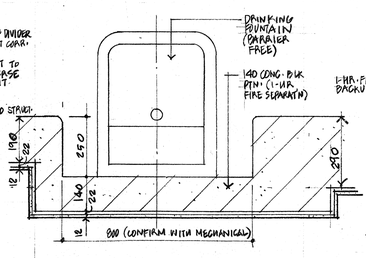
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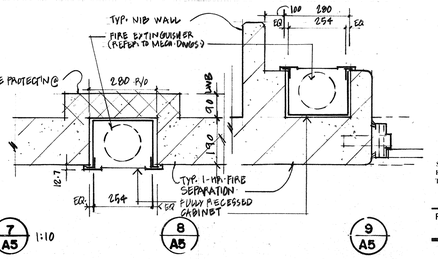
5 A5



6 A5

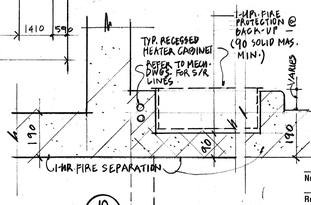


7 A5 1:10



8 A5

9 A5



10 A5 TYP. RECESSED CABINET HEATER DETAIL
V.B.

PARTITION SCHEDULE

TYPE	DESCRIPTION	REMARKS
P1	13mm G.W.B. ADHESIVE APPLIED TO CONC. OR MASONRY	
P2	13 mm G.W.B. 22mm FURRING CHANNEL @ 400 O.C.	
P3	13mm G.W.B. 42mm METAL STUDS @ 400 O.C. BRACED AS REQ'D.	
P4	13 mm G.W.B. 63 mm FURRING CHANNEL AT 400 O.C. W/RIGID INSULATION & V.B.	
P5	13mm G.W.B. 92 mm METAL STUDS @ 400 O.C. 13mm G.W.B.	STC 39 STC 46 WITH 38 mm A.F.B.
P6	SIMILAR TO P5	WITH 13 mm FIRECODE 'C' G.W.B. 1 HR. FIRE RATED U.L.C. W 409

'S' DESIGNATES ACOUSTIC INSULATED PARTITN CARRY PART'N UP TO U/S ROOF DECK

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

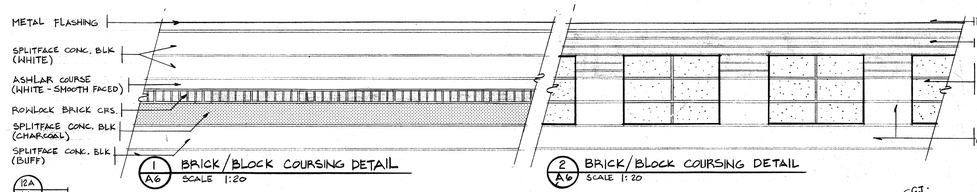
FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

UPPER FLOOR PLAN CONTINUATION PLAN DETAILS

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5883 FAX 416-233-5585

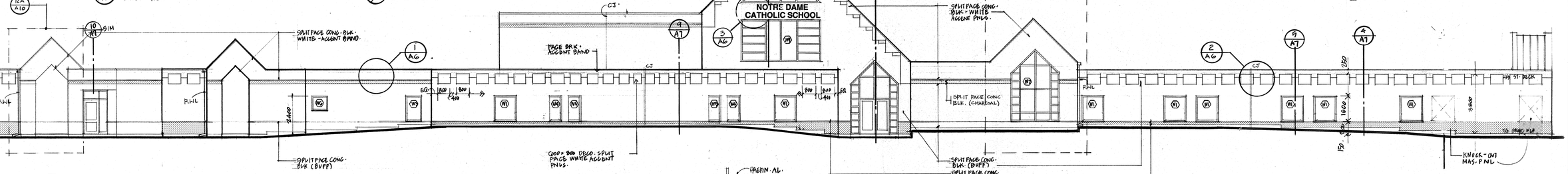
ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North	Dwg. North
Scale	1:100, 1:10
Date	JUNE 1993
Printed	
Project No.	92 - 56
Dwg. No.	A5

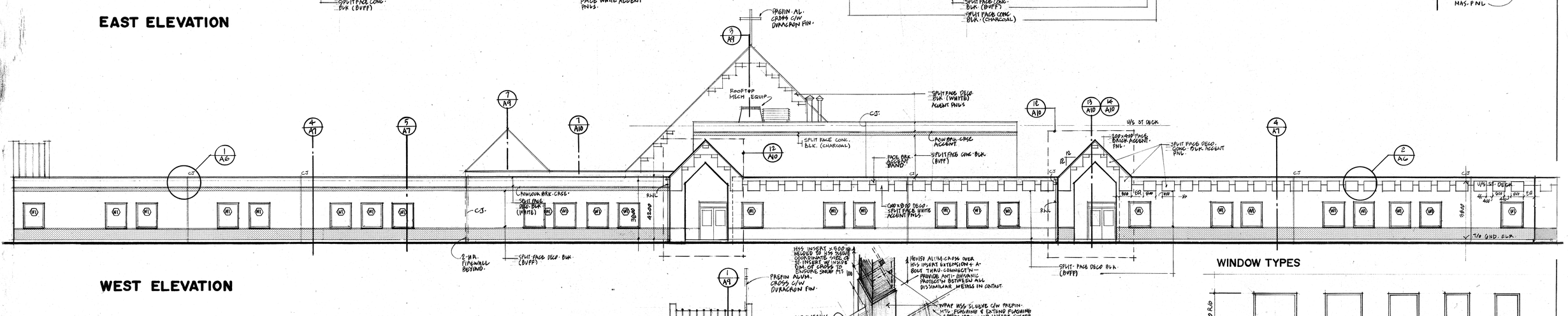


1 A6 BRICK/BLOCK COURSING DETAIL
SCALE 1:20

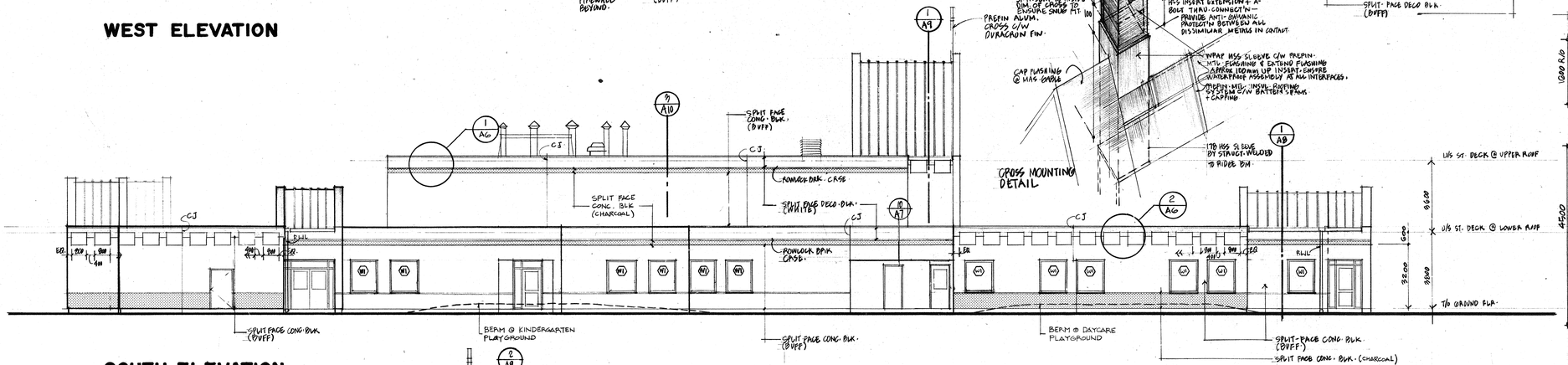
2 A6 BRICK/BLOCK COURSING DETAIL
SCALE 1:20



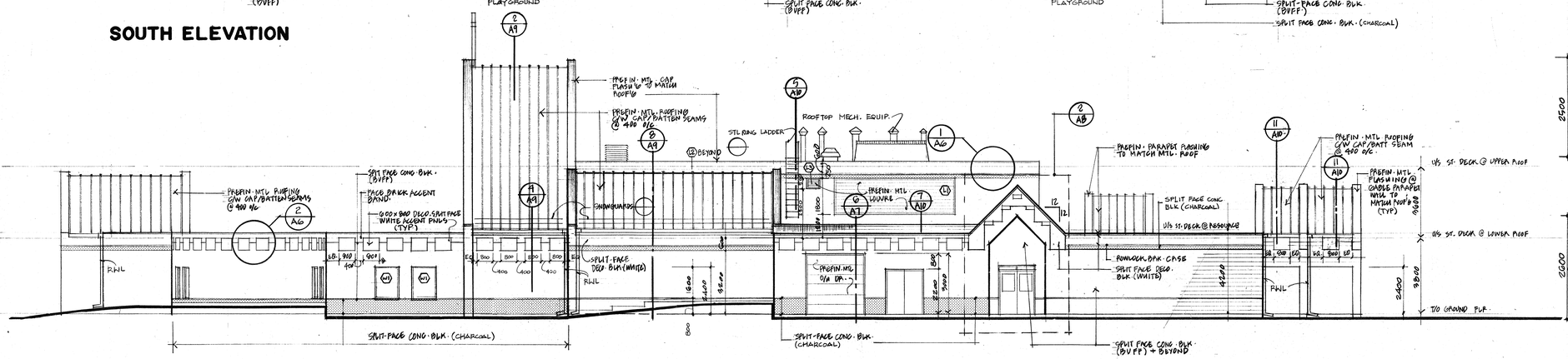
EAST ELEVATION



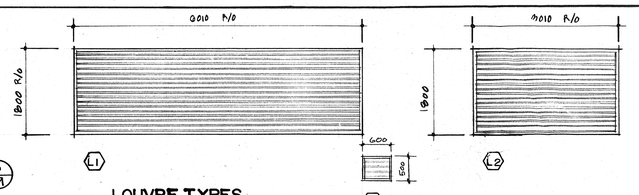
WEST ELEVATION



SOUTH ELEVATION

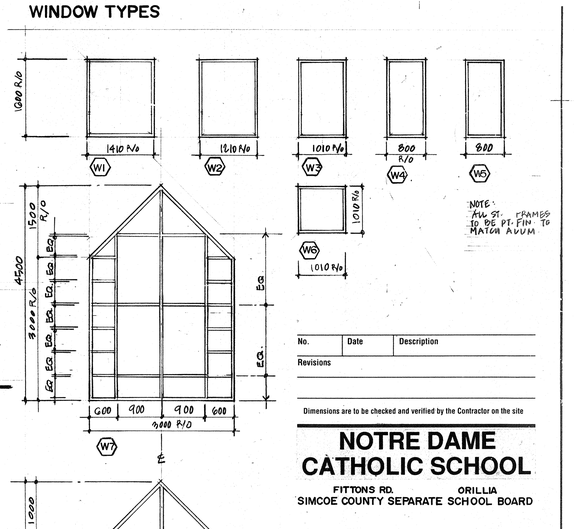


NORTH ELEVATION



3 A6 SCHOOL SIGNAGE
SCALE 1:40

LOUVRE TYPES



WINDOW TYPES

NOTE: ALL ST. FRAMES TO BE PT. FIN TO MATCH ALUM

NOTE: ALL WINDOW UNITS ALUM. SASH PREFINISHED + THERMALLY BROKEN FRAMES C/W SEALED DGBD UNITS UNLESS NOTED OTHERWISE

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

FITTONS RD.
ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

ELEVATIONS

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5883 FAX 416-233-5885

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North	Dwg. North
Scale	1:100
Date	JUNE 1993
Printed	
Project No.	92 - 56
Dwg. No.	A6

SECTION 1/A7

SECTION 2/A7

SECTION 3/A7

NOTE: REFER TO STRUCT. DWGS FOR SIZE + DEPTHS OF FOUNDATION WALLS + FOOTINGS.

4/A7

5/A7

5A/A7

6/A7

7/A7

8/A7 TYP. CORRIDOR WALL

9/A7

JAN 08/99 ADD FIN. CEILING TO UP FLR

No.	Date	Description
Revisions		

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NOTRE DAME CATHOLIC SCHOOL

FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

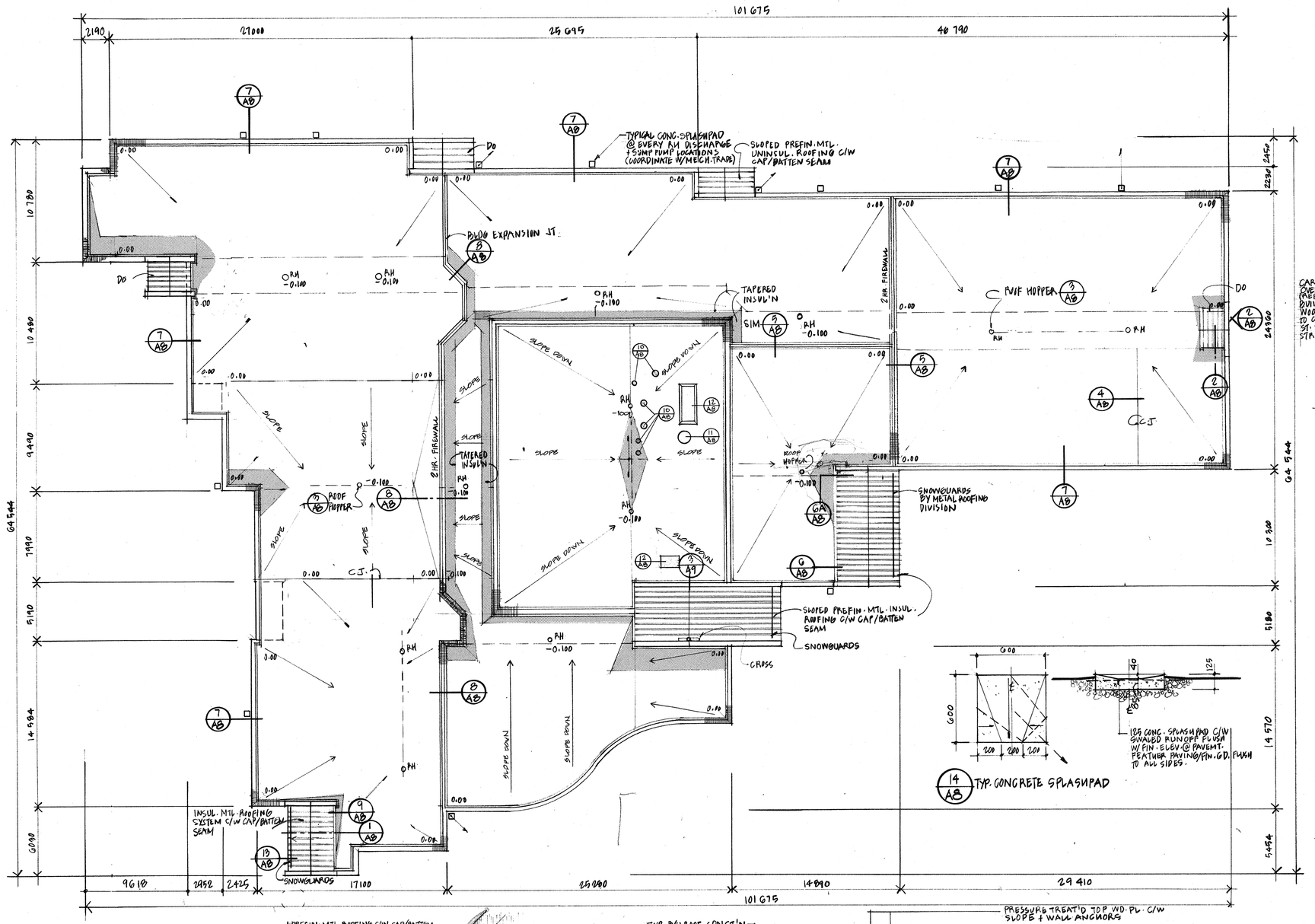
BUILDING CROSS-SECTION WALL SECTIONS

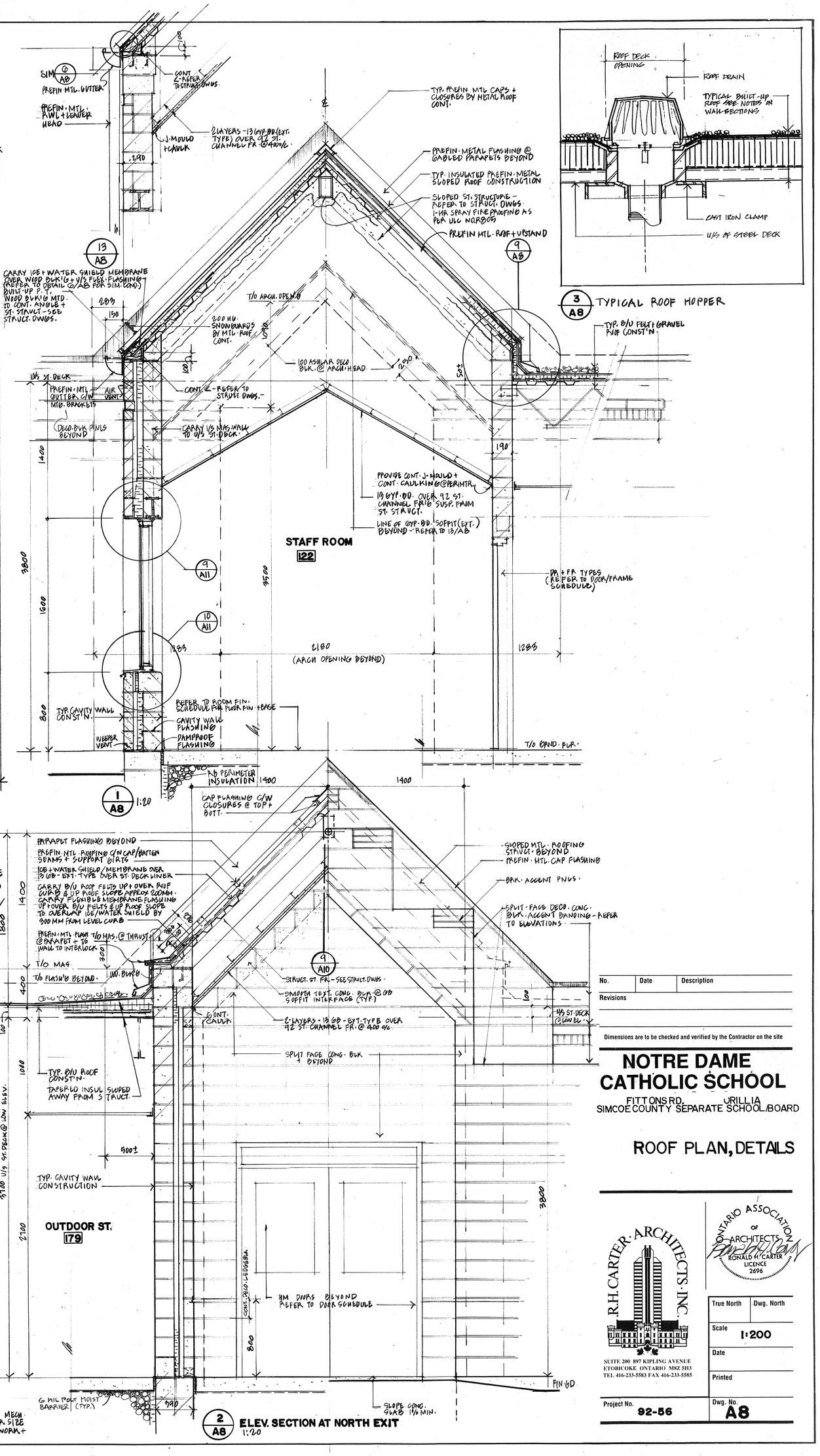
R.H. CARTER ARCHITECTS INC.
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TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North	Dwg. North
Scale	AS NOTED
Date	JUNE 1993
Printed	
Project No.	92-56
Dwg. No.	A7

ROOF PLAN
SCALE 1:200





No.	Date	Description
Revisions		

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NOTRE DAME CATHOLIC SCHOOL

FITTONS RD., ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

ROOF PLAN, DETAILS

R.H. CARTER ARCHITECTS INC.

SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North	Dwg. North
Scale	1:200
Date	
Printed	
Project No. 92-56	Dwg. No. A8

T/o APEX

INSULATED SLOPING METAL ROOF SYSTEM (TYP.)

TYP. P.T. WD. BLOCKG PREFIN. MTL. T/O WALL FLASHING OVER FLEXIBLE MEMBRANE FLASHING

DRIP C/W RETAINER

CARRY ICE/WATER SHIELD UP + OVER GABLE PARAPET WALL

DECO. BLK. ACCENT PANEL - REFER TO ELEV.

TYPICAL INSULATED SLOPED ROOF CONSTRUCTION

1-HR. FIRERTD. T/O ROOF ASSEMBLY (TYP.)

TYPICAL INSULATED SLOPED ROOF CONSTRUCTION: PREFIN. METAL ROOFING C/W CAP/BATTEN SEAMS @ 400 O/C OVER 2 LAYERS IG-6 WATER SHIELD - CARRY MEMBRANE TO T/O WD. BLKG + U/S FLEXIBLE MEMBRANE FLASHG. R20 RIGID INSULN + V.B. 16 GYP. BD. - FIRE RTD. 91 ROOF DECK 91 CHANNEL ROOF STRUCT. (REFER TO STRUCT. DWGS.)

2 / A9

PREFIN. MTL. FLASHING @ GABLE PARAPET

B/U P.T. WD. BLKG. ANGLED TO CONT. ∠

PREFIN. MTL. FASCIA C/W D.P. + MOULDED DRIP OVER FLEXIBLE FLASHING MEMBRANE - CARRY FLEX. MEMBRANE 300mm UP OVER

T/o ST. DK + U/S ST. DECK (BEYOND)

PREFIN. MTL. GUTTER

DRIP

ACCENT PNL BEYOND - SEE ELEVS. FOR LOCATION

POWDER DRK. GRAY

TYP. 1-HR. FIRERATED CEILING ASSEMBLY @ SLOPED ROOF: 2 LAYERS - 16 GYP. BD. TYPE 'X' FIRERTD. OVER 92 ST. CHANNELS @ 400 O/C

FILL CAVITY W/ F.G. INSULATION

CONT. ∠ WELD TO STRUCT. - SEE STRUCT. DWGS

10mm DAMPROOF CEMENT PARGING

C/G RIGID INSULN (R12)

VAPOUR BARRIER

16 GYP. BD. OVER ST. CHANNEL FR. @ 400 O/C

TYP. SOLID MAS. WALL CONST'N

THRU-WALL DAMPROOF FLASHING - COPPER FLASHING BLO.

TYPICAL BUILT-UP ROOF SYSTEM: 4 PLY B/U FELT + GRAVEL OVER R20 RIGID INSULATION + V.B. 16 GYP. BD - THERMAL BARRIER 91 ROOF DECK - OWSJ. C/W 1-HR. FIRERPROOFING SPRAY AS PER ULC NO. R805 ROOF ASSEMBLY

CONT. CAULK PREFIN MTL. FLASHG & REGLET

CARRY B/U FELTS + FLEXIBLE MEMBRANE UP WALL TO U/S OF CUT REGLET + FASTEN DOWN. CAULK OVER W/ PARAPET WALL FLASHING INTO CUT REGLET & CAULK

10mm CEMENT PARGE ACOUSTIC TREATMT. (REFER TO FLR. PLANS)

MECH. RM.

1-HR. FIRERTD. TO ROOF ASSEMBLY (TYP.)

T/o MAS. @ P/O

THRU-WALL FLSH'G

CAULKED REGLET CARRY B/U FELTS + FLEX. MEMBRANE UP TO REGLET + FLASH OVER

CARRY DAMPPROOF PARGING DN. TO T/o ST. DK

TYP. REGLET + CAULKG

TYP. B/U ROOF CONST'N (1-HR. RTD. ASSBLY)

T/o ST. DK.

T/o FIN. FLR.

U/S ST. DECK @ LOW ELEV.

1-HR. RATED ROOF ASSEMBLY ULC NO. R 805

GYP. LAY-IN PANEL CEILING

S/R DUCTWORK - REFER TO MECH. DWGS.

SLOPING BOX'D CONSTN: 16 GYP. BD. OVER 92 ST. CHANNEL FR. @ 400 O/C

WD. TRIM

CAULKING BS HM FR'G.

1-HR. FIRERTD. TO BOX'D/SOFFIT 2 LAYERS - 15 GYP. BD. TYPE 'X' OVER ST. CHANNEL FUR'G @ 400 O/C

HM/DR. SCREEN REFER TO DR. FR. TYPES

MECH/SERVICE SPACE

GYP. BD. BULKHD (FT. FIN.)

GYP. BD. OVER MAS. SUBSTRATE @ CAVITY WALL COND.

WD. TRIM BEYOND.

CAVITY WALL CONSTN. (TYP.)

DECO. LEDGE BLK. - REFER TO ELEV. FR. TYPES + COLOUR

CAVITY WALL FLASHING TEMPROOF FLASHING

T/o FIN. FLR.

WEEPER VENT FIN. GD.

DAMPROOFING TO T/o FOOTING

R8 RIGID INSULN

6MIL POLY MOISTURE BARRIER (TYP.)

1 / A9

2A / A9

3 / A9

4 / A9

6 / A9

℄ VAULTED CEILING

TYP. PREFIN. MTL. CAP C/W CLOSURES

TYP. INSULATED SLOPED ROOF CONSTN

TYPICAL INSULATED SLOPED ROOF SYSTEM

TYPICAL B/U ROOF SYSTEM (1-HR. RTD. AS PER ULC NO. R210 ROOF ASSEMBLY)

GA A/D

MECH. S/A DUCT (SEE MECH. DWGS.)

GYP. BD. BEYOND

WIN. DIFFUSER - SEE MECH. DWGS.

U/S ST. DECK

2000 TO T/O FIN. FLR.

600

5 / A9

PREFIN. MTL/WALL FLASHING C/W DRIP + RETAINER CONT. CAULKED.

FLEXIBLE FLASHING MEMBRANE UP + OVER GABLE PARAPET + FASTEN DN. T/O WD. PL @ MAX. HT. ARCH.

CARRY ICE/WATER SHIELD UP PARAPET WALL

CONC. DECO. BLK. (SPLIT-FACE BUFF REFER TO ELEV. FOR TYPE + COLOUR)

100mm DAMPROOF PARGING TO U/S FACE OF MASONRY

THRU-WALL COPPER FLOORING FLASHING

TYPICAL B/U ROOF CONSTRUCTION (1-HR. RTD. ROOF ASSEMBLY AS PER ULC NO. R 210)

T/o PARAPET BEYOND

SLOPE INSULN

U/S ST. DECK @ LOW ELEV.

2 LAYERS 16 GYP. BD. TYPE 'X' OVER ST. FURR'G @ 400 O/C

INSULATED MAS. CAVITY WALL - REFER TO DETAIL 1/A4 FOR TYP. NOTES

GYP. BD. PT. FIN. BEYOND

TYP. 1-HR. FIRERTD. CEILING ASSEMBLY 2 LAYERS 16 GYP. BD. (FRTD) OVER 92 ST. CHANNEL STUDS @ 400 O/C

500

2000 T/O FIN. FLR.

7 / A9

U/S APEX (APEX)

PREFIN. MTL. SLOPING ROOF SYSTEM

CARRY MASONRY UP TO U/S OF SLOPING MTL. RETENTION MESH

VAPOUR BARRIER

1-HR. FIRERTD TO ST. ROOF STRUCT (2 LAYERS 16 GYP. BD. TYPE 'X' OVER 92 ST. CHANNELS @ 400 O/C.)

R20 F.G. BATT INSUL'N C/W SLOPING MTL. RETENTION MESH

AL. SCREEN BEYOND C/W AL. PANELS (REFER TO FRAMING TYPES)

GYP. BD. PT. FIN.

T/o

U/S ST. R. PT. FIN.

T/o REVEAL

MAS BEYOND (SEE STRUCT DWGS)

SOFFIT CONST'N: 2 LAYERS 15 GYP. BD. EXT. TYPE OVER 92 ST. CHANNEL FURR'G

PREFIN. AL. ENTRY/SCREEN (REFER TO DOOR/FRAME SCHEDULES)

DECO. MAS. WALL BEYOND

FOYER BEYOND

AL. DR.

AL. THRESHOLD

EXT. CONC. SLAB + INSUL'N

T/o GND. FLR.

@ MIL POLY MOISTURE BARRIER

9 / A9

TYPICAL INSULATED SLOPED ROOF SYSTEM

PREFIN. MTL. FLASHING TO TOP + SIDES OF GABLE FRAMES

SNOWGUARD (CONT.) REFER TO ROOF PLANS FOR EXTENT + LOCATIONS

B/U PRESS. TRD. WD. BLKG. OVER CONT. ST. ∠ - SEE STRUCT DWGS.

PREFIN. MTL. GUTTER

U/S ST. DECK @ RESERVOIR RM

DRIP

CONC. DECO. BLK. (SPLIT FACE, WHITE)

BOWLOCK BRK. GRSE AGGR'T

CONC. DECO. BLK. (SPLIT FACE BUFF)

LINE OF INT. CEILG + BULKHD

INSULATED PANEL C/W THERMALLY BROKEN PREFIN. ALUM. FRAMES

EXTRUDED ALUM. SILL C/W CARRIER BRACKET

TYPICAL INSULATED MTL. SLOPED ROOF SYSTEM

PREFIN. MTL. FLASHING + WALL CAP @ GABLE END BEYOND

REFER TO DETAIL 1/A9 FOR TYP. CONN'N

PREFIN. MTL. SAVE-T-ROOFIN + FLASHING BEYOND

PREFIN. MTL. CAP FLASHING BEYOND

DAMPROOF MEMBRANE TO T/o FTG LEVEL

TYP. 1-HR. FIRERTD. CEILING ASSEMBLY 2 LAYERS 15-9 GYP. TYPE 'X' OVER 92 ST. CHANNEL FURG @ 400 O/C

GYP. BD. BULKHD BEYOND

AIR VENT

DECO. MAS. REFER TO ELEV.

DECO. MAS. PANEL BEYOND

B/U SIDING - REFER TO MILLWORK DETAILS

TYPICAL CAVITY WALL CONST'N

CONT. DECO. LEDGE BLK.

CAVITY WALL FLASHING

DAMPROOF FLASHING TO GROUND FLR.

WEEP VENT

FIN. GD.

DAMPROOFING TO T/o FOOTING

R8 RIGID INSULN @ PERIMETER FDNS.

6MIL POLY MOISTURE BARRIER TO U/S CONC. SLAB (TYP.)

REFER TO ROOM FIN. SCHEDULE FOR FLOR. FIN. + WALL BASE TYPES

8 / A9

No.	Date	Description
Revisions		

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NOTRE DAME CATHOLIC SCHOOL

FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

WALL SECTIONS DETAILS

R.H. CARTER ARCHITECTS INC.

SUITE 200 897 KIPLING AVENUE
ETOBICOKE, ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE
2696

True North	Dwg. North
Scale 1:20	
Date	
Printed	
Project No. 92-56	Dwg. No. A9

TYP. SLOPED MTL. ROOF CONSTRUCTION (UNINSULATED) REFER TO 11/A10 FOR TYP. NOTES

T/O WD. PL.

U/S ROOF

TYP. OD SOFFIT SEE 11/A10

PREPAINT & CAULK'D CARRY B/U FELTS + FLEX. MEMBRANES UP WALL + FASTEN

T/O WD. PL.

PROVIDE SLACK TO FLEX. MEMBRANE

2 HR. FIRE WALL

PREFIN. RWL + COND. SPLASHPAD BEYOND

DECO. LEDGEBLK (SEE ELEV.)

12A A10

HM. WALL BEYOND - REFER TO DETAIL 11/A10

1600

1414

1414

1000

1900

1050 (15A/10)

45°

900 T/O PARAPET

2600

2100

1000

1000

400

400

2400 T/O FIN. FLR.

200 x 410 ACCENT BRK. PNL.

SPLIT FACE DECO. BLK. ACCENT PNL (WHITE)

TYPICAL MTL. ROOFING CONSTN: (UNINSULATED)

PREFIN. MTL. ROOFING C/W CAP BATTEN SEAMS + SUPPORT CLEATS OVER ICE & WATER SHIELD ON 1/2 GYP. BD. SHEATHING OVER SLOPED ROOF STRUCT. (SEE STRUCT. DWGS.)

PREFIN. MTL. FLASHING @ GABLE PARAPETS BEYOND

CARRY FLEXIBLE MEMBRANE FLASHING TO U/S SLOPED ROOFING BY 300 MM + RETURN DN. TO T/O MAS. WALL & U/S GUTTER

PREFIN. MTL. GUTTER

T/O MAS.

R.W.L. BEYOND

900

400

10

290

T/O P.T. WD. TRIM TO SUIT

TYP. SOFFIT: 2 LAYERS - 16 GYP. BD. OVER 0/S ST. CHANNELS @ 400 O/C (PT. FIN.)

11 A10

HSS RIDGE BM + RUF. FR'G - REFER TO STRUCT. DWGS.

PREFIN. MTL. FLASHING TO TOP SIDES OF GABLE WALLS - INTERLOCKED W/ PREFIN. MTL. ROOFING

CARRY ICE & WATER SHIELD UP PARAPET WALL

PROVIDE FLEXIBLE MEMBRANE FLASHING UP + OVER PARAPET + FASTEN DN. T/O WD. PLATE - EXTEND 200 MM BEYOND WALL TO SLOPED ROOF

TYPICAL SLOPED MTL. ROOF CONST'N (UNINSULATED)

REFER TO DETAIL 2/A8 FOR TYP NOTES

TYP. BUILT-UP ROOF CONST'N.

250

10 A10

200 FLEX. MEMBRANE

TYP. SOFFIT CONST'N.

290

CARRY B/U ROOF FELTS UP TO WD. BEAM & FASTEN DN. CARRY FLEXIBLE MEMBRANE FLASHING BEYOND LEVEL OF FELTS + UP TO REGLET + FASTEN.

REGLET & CAULK'D

PREFIN. MTL. WALL FLASHING UP TO REGLET & CAULK

SLOPE

U/S ST. DECK BEYOND

U/S ST. DECK @ WIN ELEV.

VARIES - REFER TO PLANS/ELEV.

DR + FR. BEYOND - REFER TO DOOR + FRAME SCHEDULE

9800

7 A8

T/O WD. PL.

U/S ST. DECK @ TOP ELEV.

TYP. B/U ROOF SYSTEM - APLY. FELT + GRAVEL OVER R2.5 RIGID INSULATION VAPOUR BARRIER 19MM PLYWD. SHEATHING ON ST. ROOF DECK - TOPPED W/ 3 LAYERS FELT @ 0.P.RM. (ULC # R-210)

250

1600

WIDE OF S/A DUCTS - REFER TO MECH. DWGS.

SUSP. ACOUSTIC TILE CEILING AS PER ULC # R-210 (1HR. RATED)

10 A6

9300 (LOW ROOF ELEV.)

9000 (HIGH ROOF ELEV.)

3000 (FIN. CEIL'G HT.)

TEGRUM WALL PANELS C/W RIGID INSUL'N + ST. CHANNEL FURRING

GP FROM 163

6200

240

10 MM PARGING ACOUSTIC TREATMT.

PL A16

SCORED DECO. BLK.

SMOOTH FACE LEDGE BLK

200 CASE.

SMOOTH FACE LEDGEBLK

SCORED DECO. BLK.

U/S ST. DECK @ TOP ELEV.

U/S ST. DECK @ LOW ELEV.

1200

LAP CEILING

1800

2400

3800

T/O GROUND FLR.

U/S ST. ROOF DECK

TYPICAL CAVITY WALL CONST'N

190

90

PARAPET FLASHING

FLUSH INTO REGLET & CONT. CAULK

CARRY B/U RUF. FELTS + EPOXY FLASHING UP & SEAL TO PARGET

WS DRIP VENT

T/O CONC. LANDING

U/S ST. DECK @ TOP ELEV.

U/S ST. DECK @ LOW ELEV.

TYP. B/U FELT + GRAVEL ROOF CONST'N

1-HR. ULC RATED ROOF ASSEMBLY R-210

1400

2100

5 A10

TYP. B/U ROOF SYSTEM @ MECH. RM: ULC NO. R 605 (1-HR SPRAY FIRE PROTECTION)

AIR VENT

U/S ST. DECK

850

TYP. ACCENT PNL.

250

800

WEEPER VENT

FILL CAVITY W/ INSUL'N.

HM FR + DR

3% ST. HANDRAIL C/W VERT. GUARDS @ 200 O/C

900 (NTS)

CARRY ROOF FELTS + FLEX. MEMBRANE FLASHING UP OVER DR. SILL & FL. + FASTEN DN.

DR. THRESHOLD - WEATHER ASSIST.

TUCK PARAPET WALL FLASHING TO U/S THRESHOLD + CAULK.

U/S WALL @ SILL

T/O MAS.

U/S ST. DECK

VARIES

SLOPE CONC. SLAB 1%

CARRY ASPHALT PAVEMENT FINISH W/ CONC. SLAB @ ENTRANCE/EXITS ONLY.

DAMPPROOFING TO T/O FOOTING

9 A10

9A A10

CARRY B/U FELTS UP + OVER WD. PL. - LAP OVER WITH FLEXIBLE WATERPROOF MEMBRANE (LEASCO FP40 OR EQ.)

TYP. B/U ROOF CONSTRUCTION AS PER ULC RATED ROOF ASSEMBLY NO. R-210

PREFIN. METAL FLASHING C/W EXP. CLIP

TAPERED INSUL'N SLOPED TO R-11

T/O MAS. FIREWALL

U/S ST. DECK @ TOP ELEV.

SLOPE

U/S ST. DECK @ LOW ELEV.

SPRAY FIREPROOFING TO STRUCT. FR'G & U/S ST. DECK. (1-HR. FIREPROOF'G ULC #R 806)

190 CONC. BLK.

190

190

350

25 EXPANSION/CONTRACT'N JT.

190 CONC. BLK. FIRE WALL

190

190

DO

SK 14 EXPANSION JT. CLOSURE @ MAS. OPENINGS (TYP.)

SK 14 EXPANSION JT. @ FLR. SLAB

6 MIL POLY MOIST. BARRIER (TYP.)

9100

4100

2200

2200 (11 C.B. CRSS)

340

T/O GROUND FLR.

1 A10

2 A10 2-HR. FIREWALL

3 A10

4 A10

6 A10

MECH RM.

TYP. CAVITY WALL CONST'N

CAVITY WALL FLASHING WEEPER VENT

TYP. POCKET

T/O PARAPET BEYOND

FILL CAVITY W/ INSUL'N

T/O MECH. FLR.

U/S ST. DECK @ LOW ELEV.

PD

LINE OF ST. DK BEYOND (SEE STRUCT. DWGS.) 2-HR. FIRE PROTECT'N REQ'D

1-HR. FIRE PROTECT'N TO ROOF STRUCT. (ULC RTD ASSEMBLY P809)

2-HR. FIRE PROTECT'N TO ST. STRUCT @ FLR ASSEMBLY

HVAC DUCT.

SUSP. GYP. IN RNG. CEILING

2400

4100 (TO U/S ST. DECK @ LOW ELEV.)

3200

2100

1200

1900

3800

600

2400

290

GA A10

7 A10 2-HR. FIRE WALL

2-HR. FIRE WALL

190 LWB

CONC. FUR. + WALL BASE - REFER TO ROOM FIN. SCHED.

3800

R.H. CARTER ARCHITECTS INC.

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ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2096

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

FITTONS RD.
ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

WALL DETAILS

True North	Dwg. North
Scale	AS NOTED
Date	
Printed	
Project No.	92-56
Dwg. No.	A10

u/s DECK @ TOP ELEV.

2 HR FIRE SEPARATION

100 CONC. SLAB + STEEL DECK. REFER TO STRUCT. DRAWINGS

HVAC DUCT

T/o SLAB

MECHANICAL ROOM

MEZZANINE

RTD. HM DR BEYOND

T/o ST. HANDRAIL

40 ϕ ST. HANDRAIL

T/o MECH. RM. FLOOR

STAIR NO. 3

1-HR. FIRE-RESIST. RTD. CEILING FURR. 1-LAYER 12.7 TYPE X OVER 1-LAYER 15.9 GYP. BD TYPE X OVER 63 ST. CHANNEL FURR @ 410 O/C.

2032 MIN. HEADROOM.

9 R @ 180 = 1620

9 R @ 180 = 1620

12 R @ 181 = 2172

11 T @ 250 = 2750

5500 F/O MASONRY

1550 T/O F/O MAS. WALL

6 MIL POLY MOIST. BARRIER (TYP.)

8 T @ 250 = 2000

3150

TYP. STEEL STAIR CONSTRUCTION

TYP. STEEL STAIR CONST'N.
300 ST. STRINGER
ST. PAN + RISER
TREAD FILLED W/CONC.
100x38 x3 ST. ℄ CARRIERS
(REFER TO ROOM FIN. SCHEDULE FOR TREAD FIN.)

190 UNO (℄ HR. FIRE SEPARATION)

T/o STAIR FLR.

T/o G.F. FLR.

10 T @ 180 = 1800

SECURITY CHAIN @ TOP

T/o ST. HANDRAIL

T/o MEZZ. FLR.

CHECKERED STS. MTD. C/W CARRIER ANGLES BOLTED T/o ST. STRINGER W/ 10 ϕ ST. BOLTS

30MM NOSING

ST. STRINGER

HANDRAIL BOTH SIDES

ST. ANGLE BOLTED TO PVM. DECK.

2900 (11 EQ. RISERS @ 263.6)

1070

4 A11

5 A11

PLASTIC WEEPERS @ 800 O/C

FLEXIBLE DAMPROOF FLASHING - CARRY FLASHING UP 1 CO COURSE 175 MM/HT

AIR BARRIER

DRIP MOULDING DEFLECTOR BY ALUM. CONTRACTOR TO U/S DAMPROOF FLASHING

AIR BARRIER

FLEXIBLE DAMPROOF SUB-FLASHING CARRY FLASHING 100± UP ABOVE ST. LINTEL

FILL CAVITY COMPLETE W/ RIGID INSULATION BELOW WEEPER/FLASHING LEVEL

CONT. CAULKING B/S AL-PR

PREFIN. ALUM. THERMALLY BROKEN SEALED WINDOW UNITS OVER MTD. BD/WD./SHIMS AS REQ'D.

REFER TO STRUCT. DWGS. FOR LINTEL TYPES

390

6 A11

COMPRESSIBLE JOINT FILLER + CONT. CAULKED JOINT

END DEFLECTOR

EXTRUDED ALUM. WINDOW SILL C/W CARRIER BRACKET BY WINDOW CONTR. FILL VOID W/ R.G. INSUL'N

CONT. CAULK. JT.

DAMPROOF SILL FLASHING

PLASTIC WEEPER VENT @ 800 O/C

R20 RIGID INSUL'N + AIR BARRIER

AIR SPACE

170 | 180± | 118

90 | 110 | 190

390

10 GA. FORMED ALUM. ANGLE CLOSURE TO SUIT BY WIND CONTRACTOR. (TYP.)

BUTANESE CB (TYP.)

240 CB @ WINDOW HEAD UP ONLY

REFER TO MILLWORK DETAILS

TYP. B/B SHELVED UNITS

T/o SILL @ MAS.

800 T/o FIN. FLR.

REFER TO FLOOR PLANS + ELEV. FOR SIZE OF OPENINGS + HTS.

7 A11

8 A11

COMPRESS. FILLER + CONT. CAULKED JOINT

EXTRUDED AL. SILL + CARRIER BRKT.

DAMPROOF FLASHING

19 GYP. BD VAPOUR BARRIER R12.5 RIGID INSUL'N (DOW GREENPRIM OR EQ.) OVER 10 MM PARGING 240 DECO. SPLIT FACE BLK. (REFER TO ELEV. FOR TYPE/CLR.)

PREFIN. METAL FLASHING + DRIP DEFLECTOR

P. LAM WINDOW STOOL C/W RETURN ON 19 MM PLYWD BACKING + LEVELL'G SHIMS.

CARRY V.B. UP + OVER TO U/S WINDOW STOOL

DAMPROOF FLASHING

AVUM. DRIP DEFL.

240 | 65 | 19

125 | 170 | 108 | 115

CAULK JT.

REFER TO FLOOR PLANS + ELEV. FOR SIZE OF OPENINGS + HTS.

800 T/o FIN. FLR.

9 A11

10 A11

DRIP DEFLECTOR

WALL CONSTRUCTION SIM. TO 6/A11

HM FR - PT. FIN. CAULK + SEAL BOTH SIDES OF FR - FILL CAVITY W/ R10 INSUL'N ALL AROUND PERIMETER.

PREFIN. ALUM. DRIP

11 A11

50 | 120

1455±

1000

50 | 65

38 MM INSUL'D METAL PREFIN. PANEL C/W TOP HINGING (22GA) (COLOUR TO BE SELECTED BY ARCHITECT)

SIGHT RELEASE PIN S.S. OR EQ.

ST. CLIP ANGLE C/W RUBBER OR NEOPRENE GASKET

FILL MAS. CAVITY SOLID W/ CONC. + 2-10M REBARS BY OTHERS

WALL CONSTRUCTION SIM. TO 8/A11

PREFIN. MTL. FLASHING JOINTED/PLUGGED IN CUT MAS. REGLET & FULLY CAULKED

12 A11

T/o WD. PL.

u/s ST. DECK

250

590

1810

19 A11

14 A11

3000

1800

140

90

800

T/o CONC. SLAB

SLOPE

FD

WATERPROOF MEMBRANE

90 CONC. TOPPING SLOPED TO FD

2 HR. FIRE RTG. TO STRUCT. ST. 2 LAYERS-15.9 GD TYPE 'X' OVER 41 ST. CHANNEL FURRG @ 400 O/C (ULC NO. 0501 OR EQ.)

220

u/s DECK @ TOP ELEV.)

1200

4200 TO u/s ST. DECK @ TOP ELEV.

GUIDANCE OFFICE

7800

200

1400

2400

HM SCREEN (49 MIN. FIRE RTG.)

CAULKING B/S PR.

800

290

390

TYP. CAVITY WALL CONST'N

AL. LOUVRE, STORMPROOF C/W DRAINAGE SYSTEM + BIRDSCREEN

AL. SILL BY SPECIALTIES DIV. 10450

1810

240

90

DAMPROOF FLASHING

190

110

90

12 PROJ'N

PLASTIC WEEPERS @ 800 O/C

1200 TO MECH. PVM.

13 A4

14 A11

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

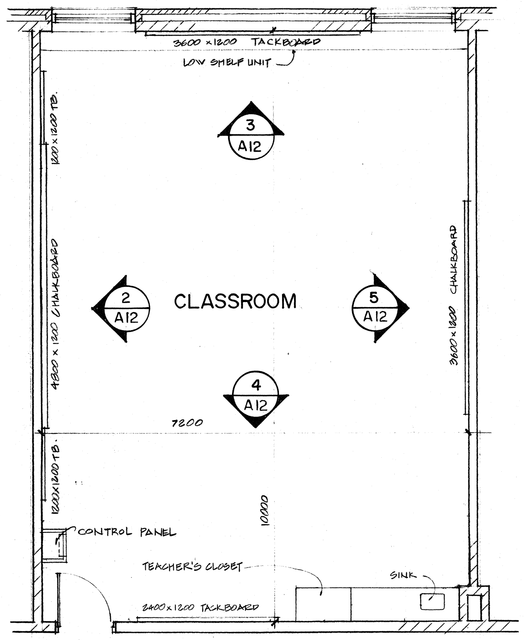
FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

WALL DETAILS
DETAILS

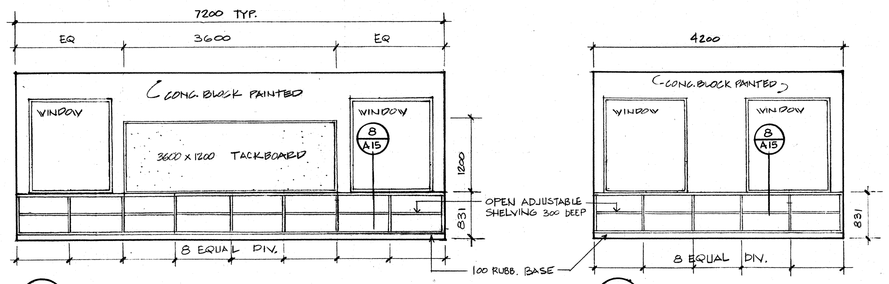
R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE, ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North	Dwg. North
Scale	
Date	
Printed	
Project No. 92-56	Dwg. No. A11

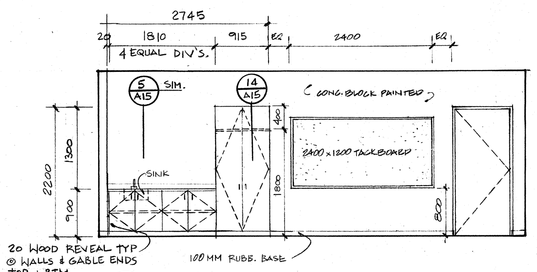


1 A12 TYPICAL CLASSROOM

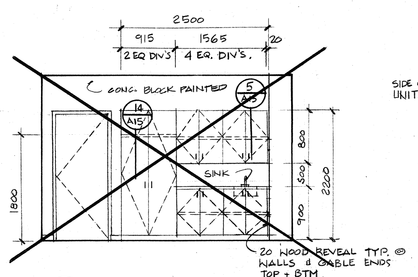


3 A12 TYPICAL CLASSROOM & SPECIAL EDUCATION 148

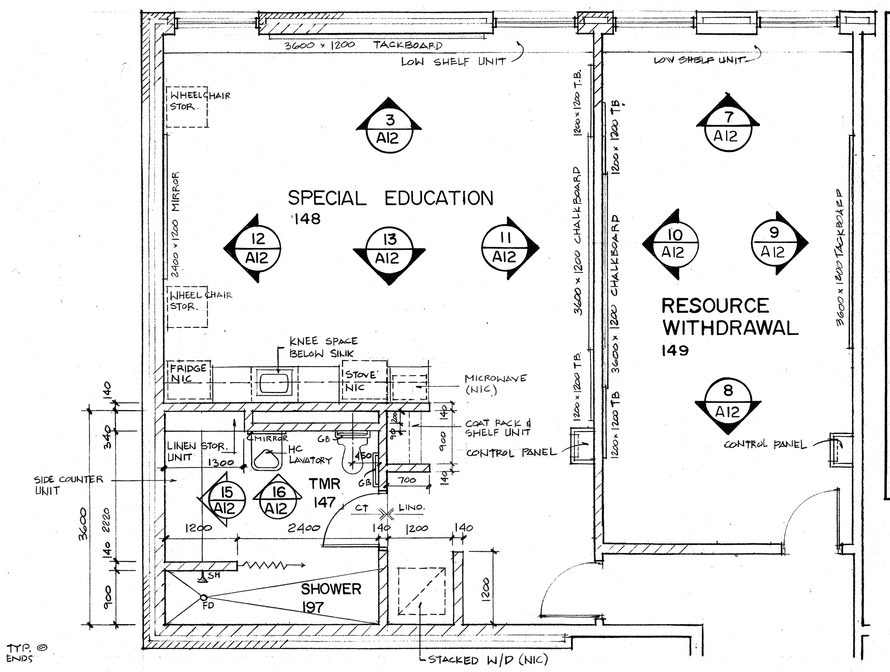
7 A12 RESOURCE WITHDRAWAL 149



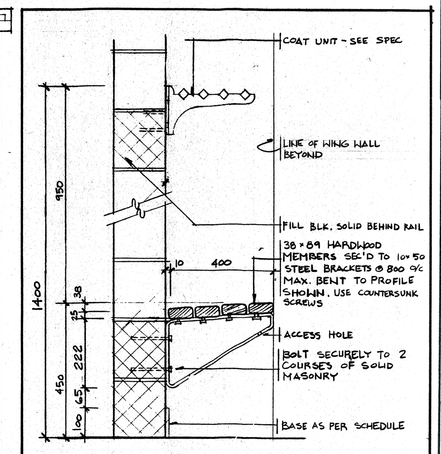
4 A12 TYPICAL CLASSROOM



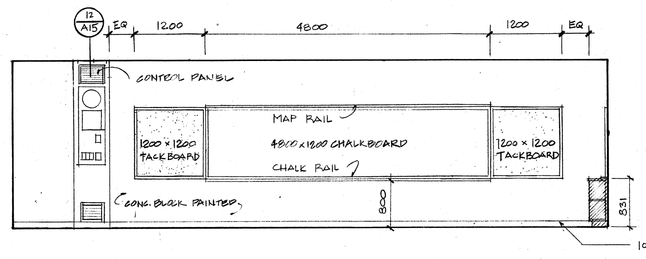
8 A12 RESOURCE WITHDRAWAL 149



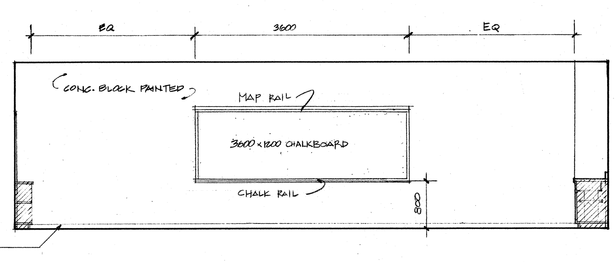
6 A12 SPECIAL EDUCATION & RESOURCE WITHDRAWAL 148 149



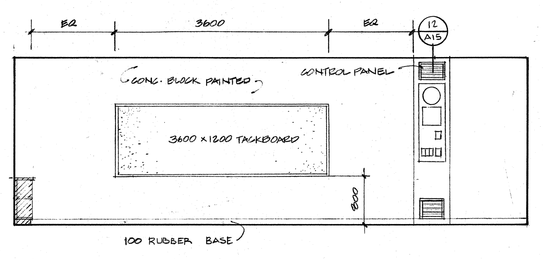
20 A12 CORRIDOR BENCH DETAIL 1:10



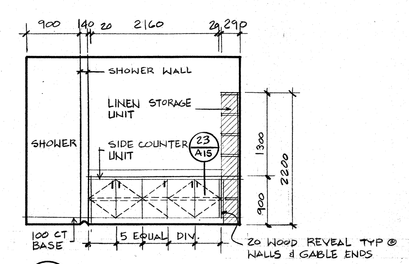
2 A12 TYPICAL CLASSROOM



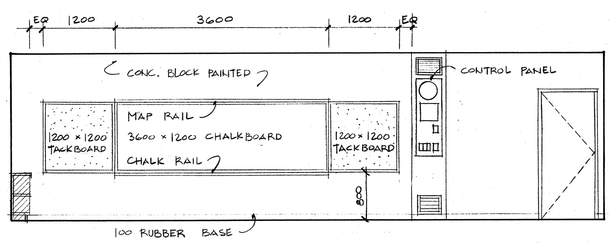
5 A12 TYPICAL CLASSROOM



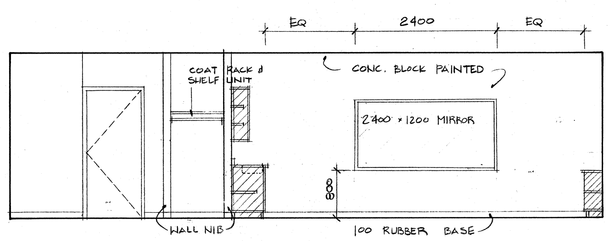
9 A12 RESOURCE WITHDRAWAL 149



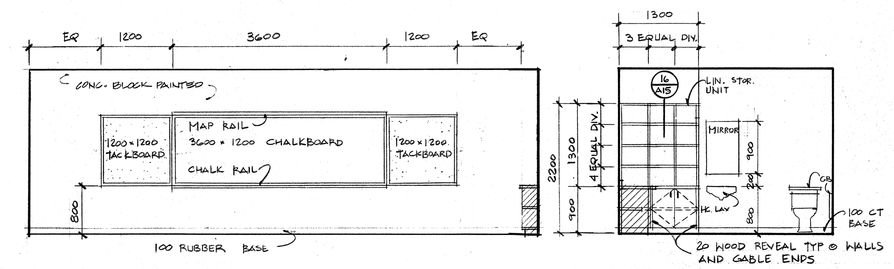
15 A12 TMR 147



11 A12 SPECIAL EDUCATION 148

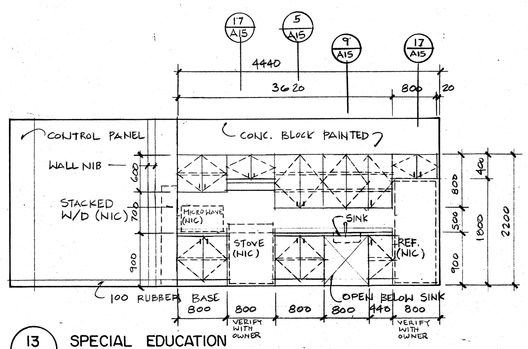


12 A12 SPECIAL EDUCATION 148

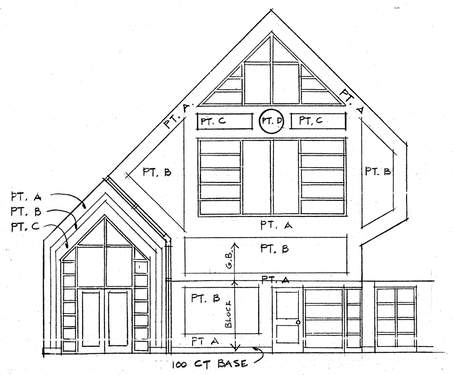


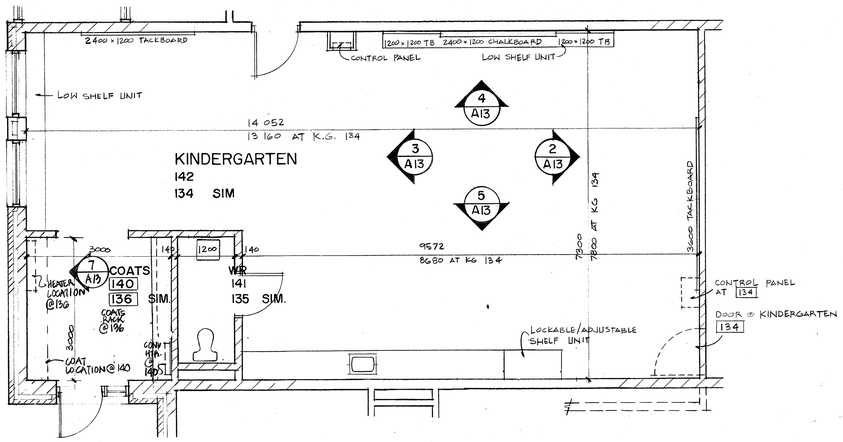
10 A12 RESOURCE WITHDRAWAL 149

16 A12 TMR 147

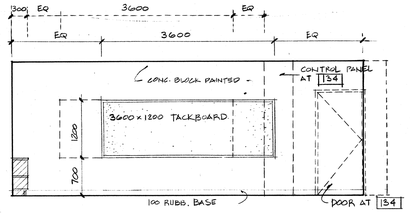


13 A12 SPECIAL EDUCATION 148

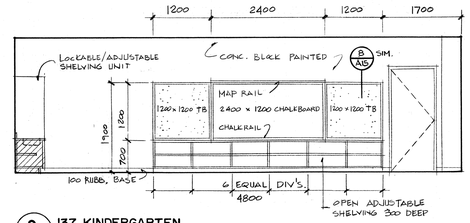

PT. A
PT. B
PT. C
PT. C
PT. B
PT. C
PT. A
PT. B
PT. B
PT. A
PT. B
PT. A
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PT. B
PT. A
PT. B



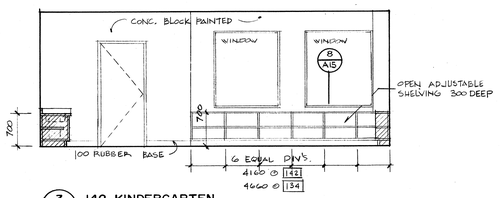
1 A13 TYPICAL KINDERGARTEN 142 & 134



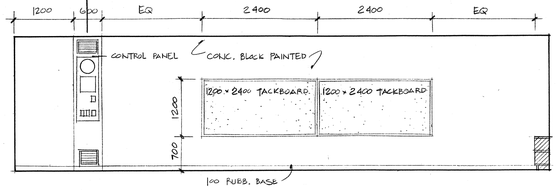
2 A13 142 KINDERGARTEN
134 KINDERGARTEN SIM. (SHOWN DOTTED)



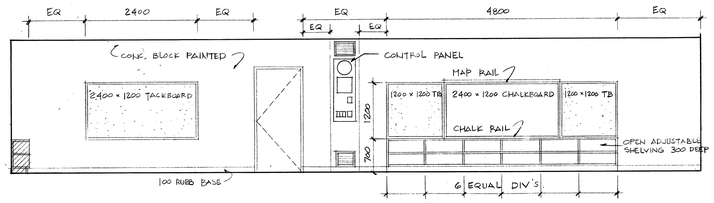
9 A13 137 KINDERGARTEN



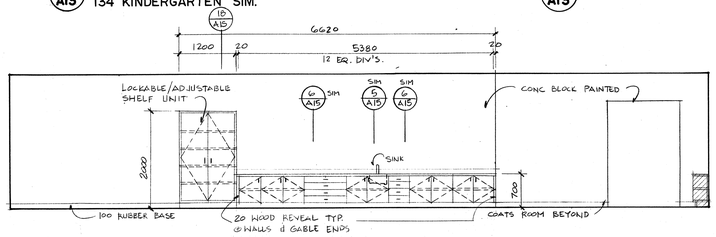
3 A13 142 KINDERGARTEN
134 KINDERGARTEN SIM.



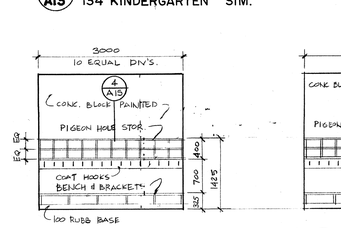
10 A13 137 KINDERGARTEN



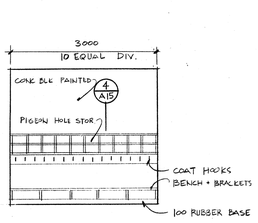
4 A13 142 KINDERGARTEN
134 KINDERGARTEN SIM.



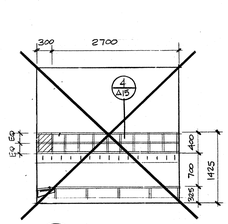
5 A13 142 KINDERGARTEN
134 KINDERGARTEN SIM.



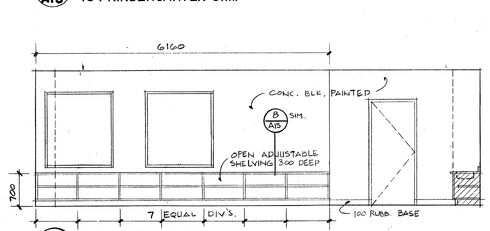
7 A13 136 & 140 COATS



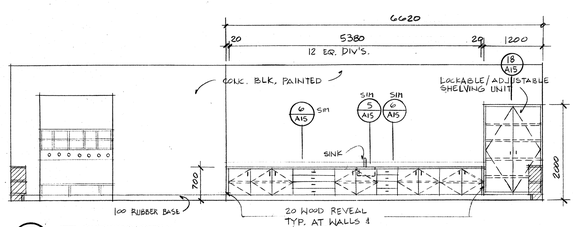
13 A13 139 COATS



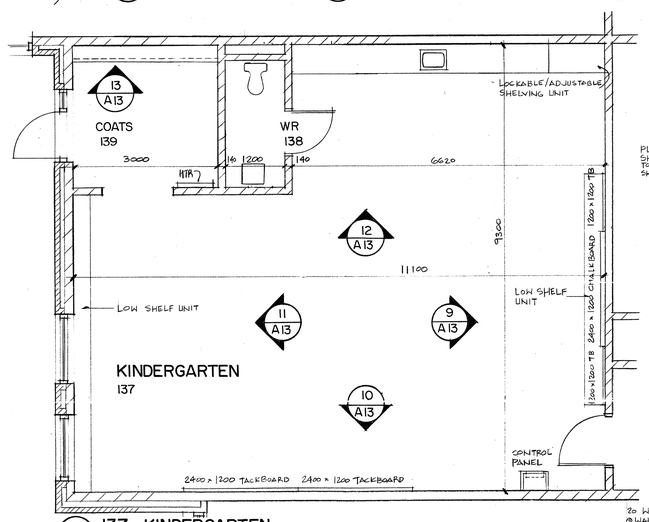
14 A13 139 COATS



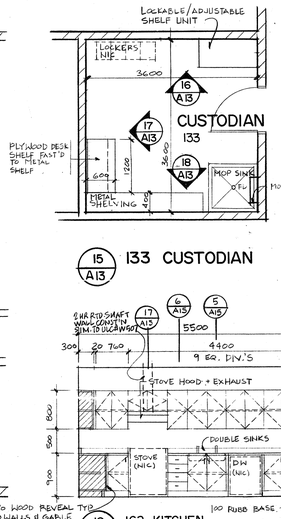
11 A13 137 KINDERGARTEN



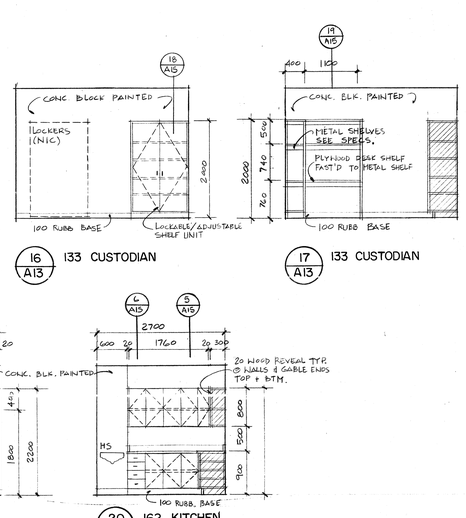
12 A13 137 KINDERGARTEN



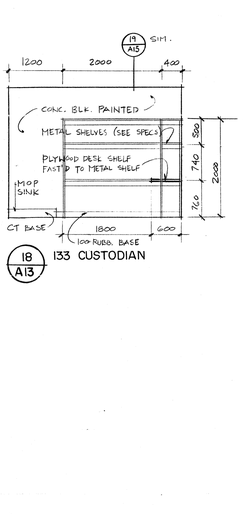
8 A13 137 KINDERGARTEN



15 A13 133 CUSTODIAN



16 A13 133 CUSTODIAN
17 A13 133 CUSTODIAN



18 A13 133 CUSTODIAN

19 A13 162 KITCHEN

20 A13 162 KITCHEN

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

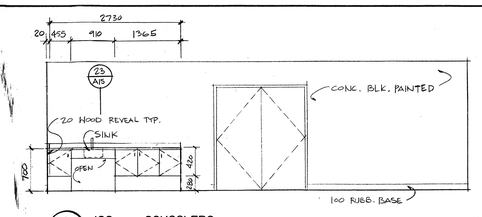
FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

TYP. KINDERGARTEN INTERIOR ELEVATIONS

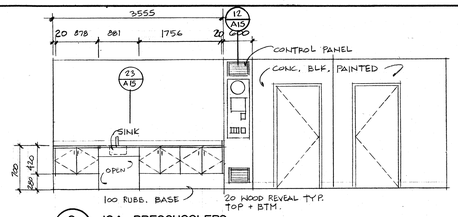
R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE, ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

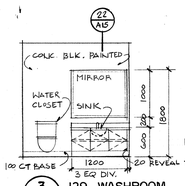
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Scale 1:50	
Date	
Printed	
Project No. 92-56	Dwg. No. A13



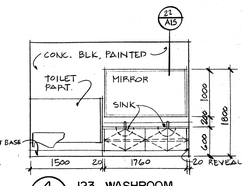
1 A14 — 128 SCHOOLERS



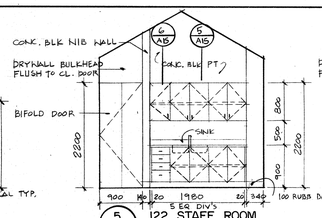
2 A14 — 124 PRESCHOOLERS



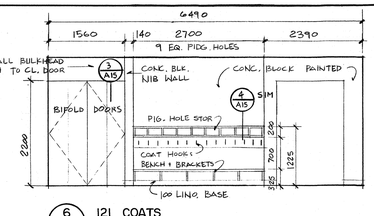
3 A14 — 129 WASHROOM



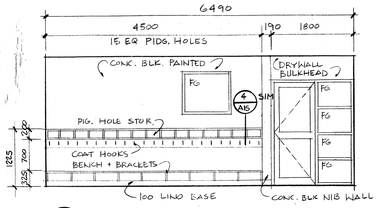
4 A14 — 123 WASHROOM



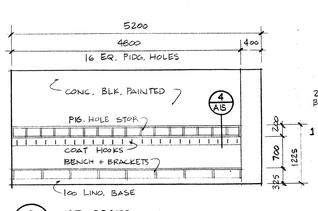
5 A14 — 122 STAFF ROOM



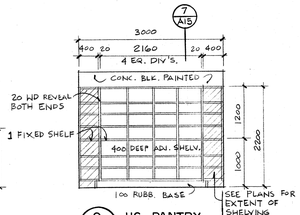
6 A14 — 121 COATS



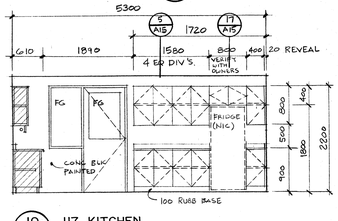
7 A14 — 121 COATS



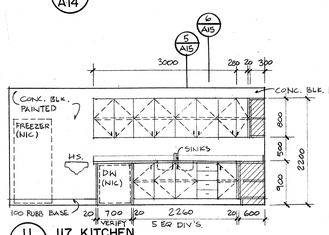
8 A14 — 127 COATS



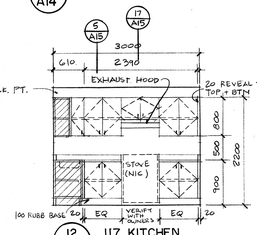
9 A14 — 116 PANTRY



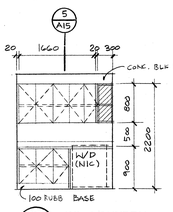
10 A14 — 117 KITCHEN



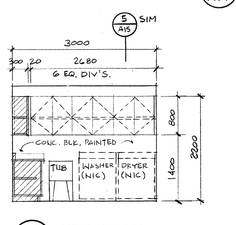
11 A14 — 117 KITCHEN



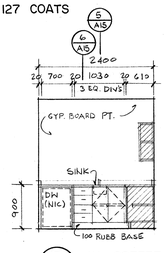
12 A14 — 117 KITCHEN



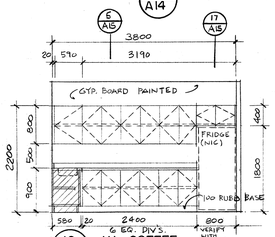
13 A14 — 118 LAUNDRY



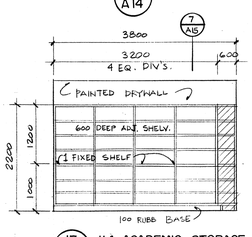
14 A14 — 118 LAUNDRY



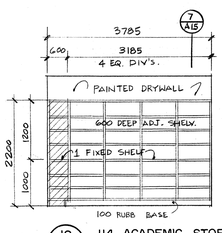
15 A14 — 111 COFFEE



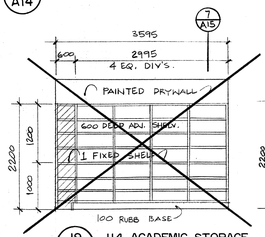
16 A14 — 111 COFFEE



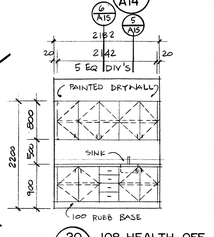
17 A14 — 114 ACADEMIC STORAGE



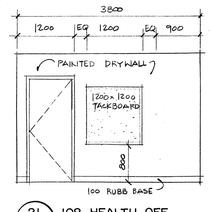
18 A14 — 114 ACADEMIC STORAGE



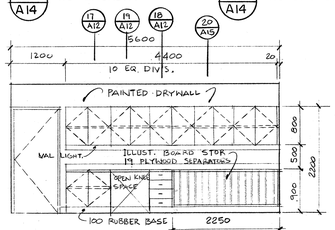
19 A14 — 114 ACADEMIC STORAGE



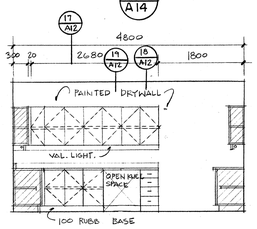
20 A14 — 108 HEALTH OFF.



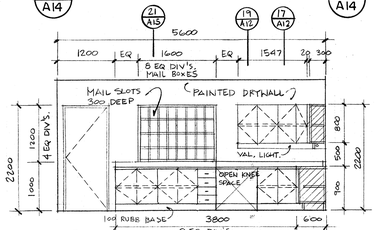
21 A14 — 108 HEALTH OFF.



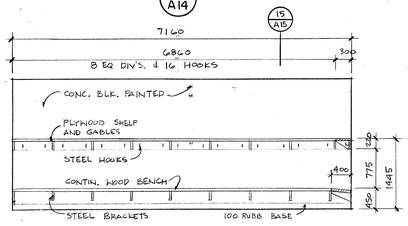
22 A14 — 109 WORKROOM



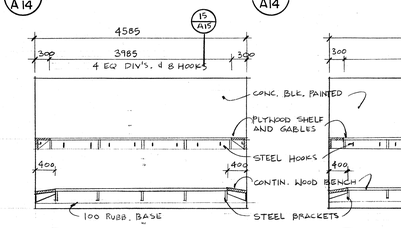
23 A14 — 109 WORKROOM



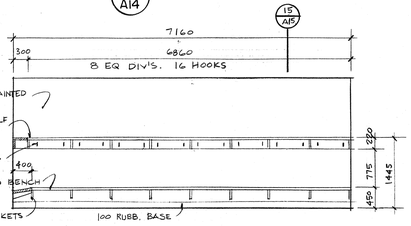
24 A14 — 109 WORKROOM



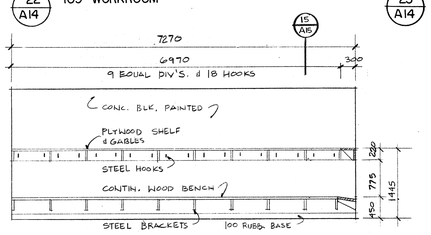
25 A14 — 166 GIRLS CHANGE RM.



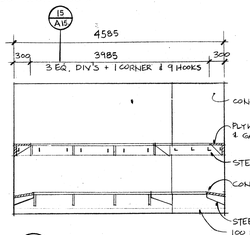
26 A14 — 166 GIRLS CHANGE RM.



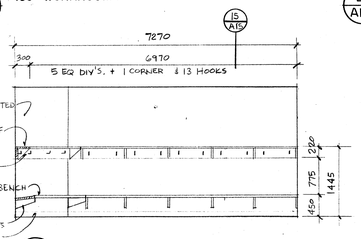
27 A14 — 166 GIRLS CHANGE RM



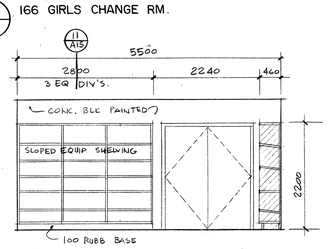
28 A14 — 164 BOYS CHANGE RM.



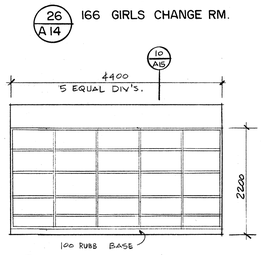
29 A14 — 164 BOYS CHANGE RM.



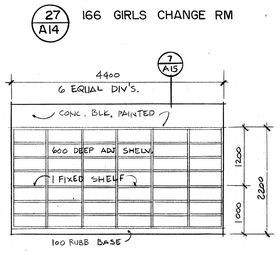
30 A14 — 164 BOYS CHANGE RM.



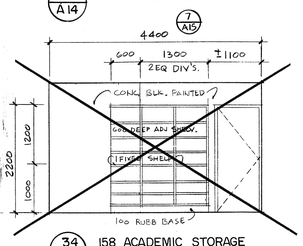
31 A14 — 167 GYM STORAGE



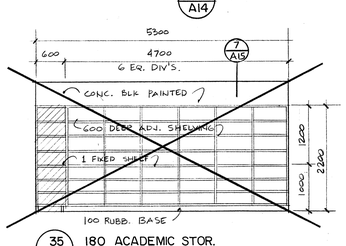
32 A14 — 167 GYM STORAGE



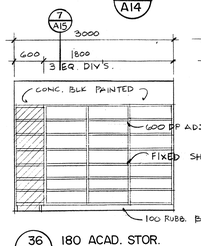
33 A14 — 158 ACADEMIC STORAGE



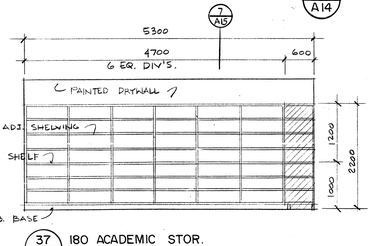
34 A14 — 158 ACADEMIC STORAGE



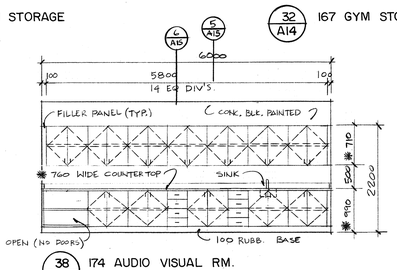
35 A14 — 180 ACADEMIC STOR.



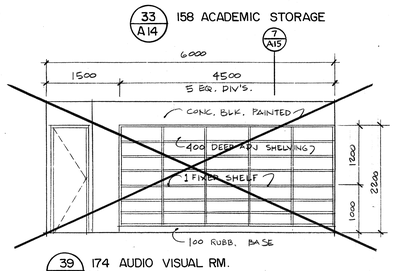
36 A14 — 180 ACAD. STOR.



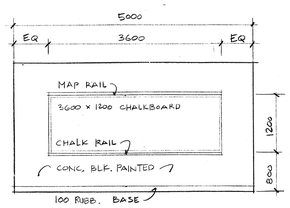
37 A14 — 180 ACADEMIC STOR.



38 A14 — 174 AUDIO VISUAL RM.



39 A14 — 174 AUDIO VISUAL RM.



40 A14 — 172 SEMINAR RM.

41 A14 — 172 SEMINAR RM.

42 A14 — 154 187 188 CLASSROOMS

43 A14 — 154 188 CLASSROOMS

No.	Date	Description
	OCT 6/93	REV'D 1/A14 & 2/A14 AS PER MIN OF CSS

Revisions

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

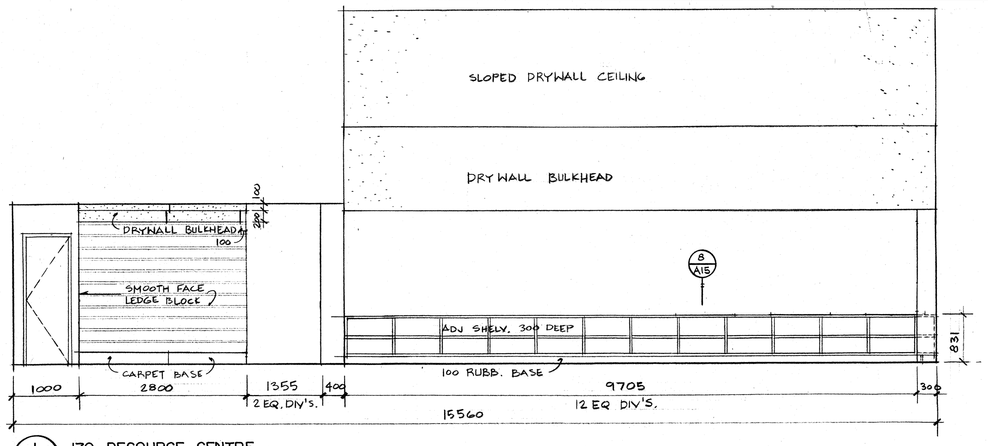
FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

INTERIOR ELEVATIONS

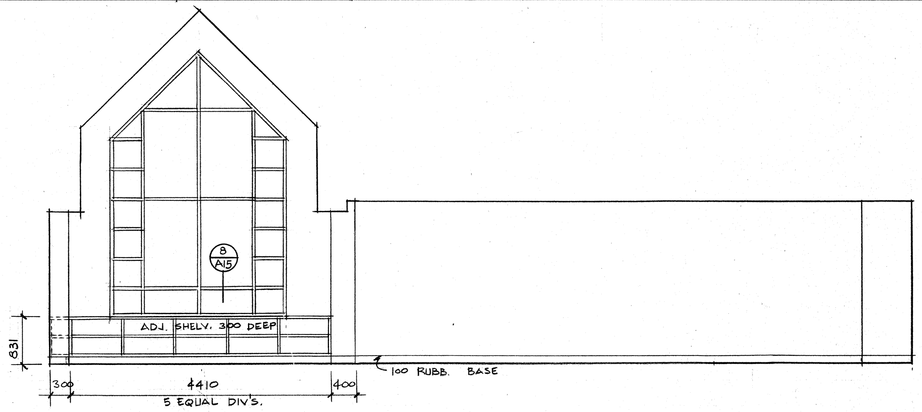
R.H. CARTER ARCHITECTS INC.
SUITE 200 807 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD E. CARTER
LICENCE 2696

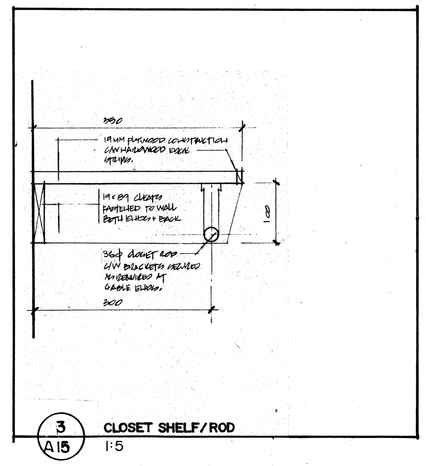
True North	Dwg. North
Scale	1:50
Date	
Printed	
Project No.	92-56
Dwg. No.	A14



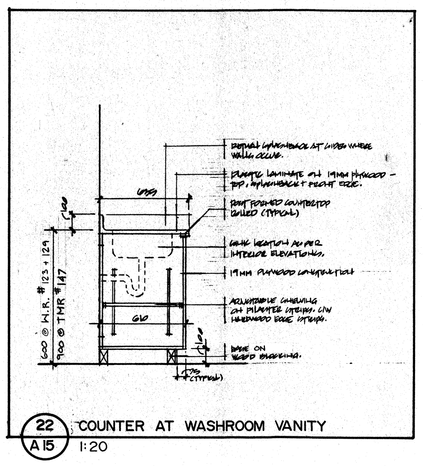
1 / A15 170 RESOURCE CENTRE 1:50



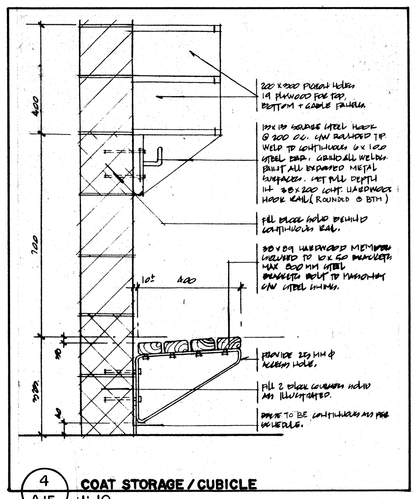
2 / A15 170 RESOURCE CENTRE 1:50



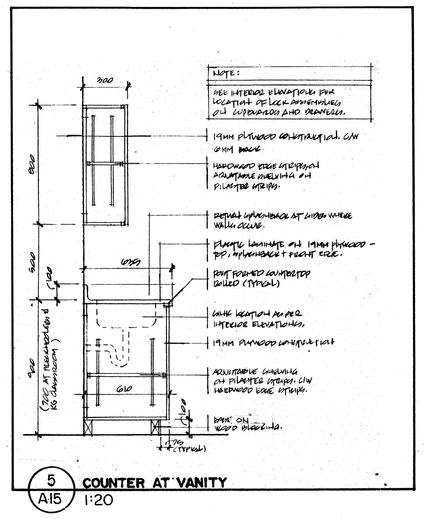
3 / A15 CLOSET SHELF/ROD 1:5



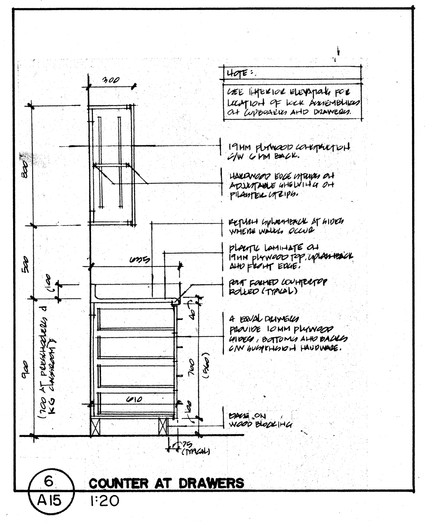
22 / A15 COUNTER AT WASHROOM VANITY 1:20



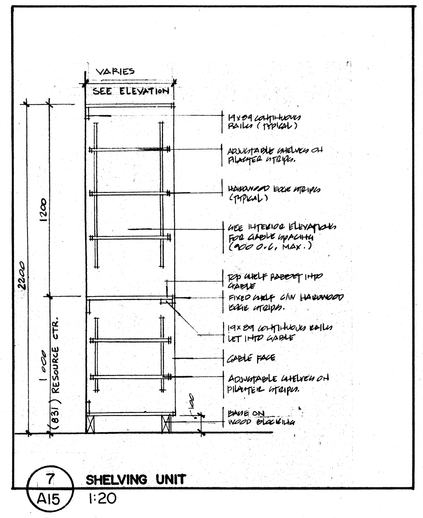
4 / A15 COAT STORAGE / CUBICLE 1:10



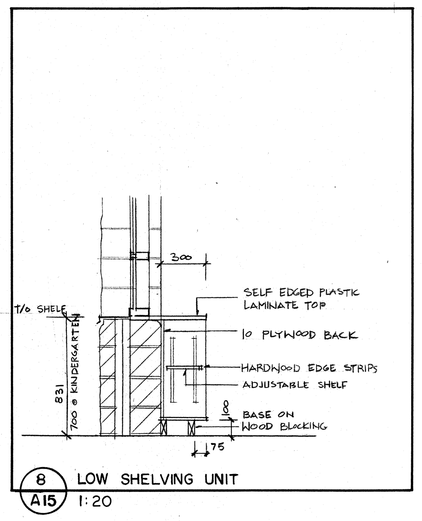
5 / A15 COUNTER AT VANITY 1:20



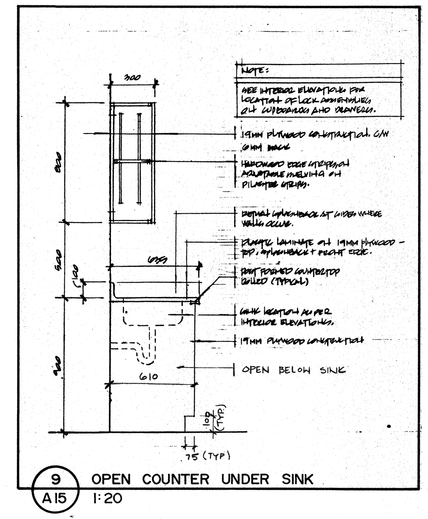
6 / A15 COUNTER AT DRAWERS 1:20



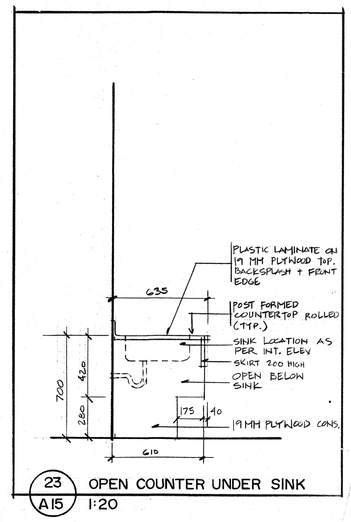
7 / A15 SHELVING UNIT 1:20



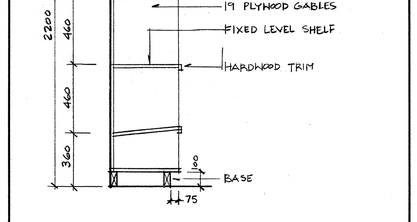
8 / A15 LOW SHELVING UNIT 1:20



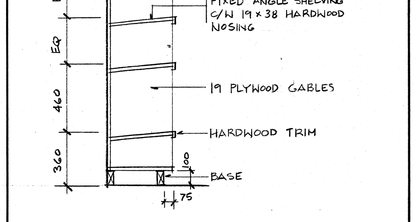
9 / A15 OPEN COUNTER UNDER SINK 1:20



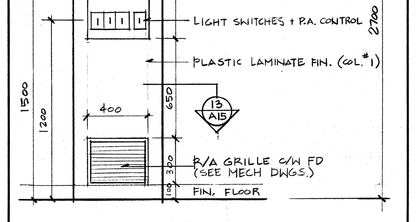
23 / A15 OPEN COUNTER UNDER SINK 1:20



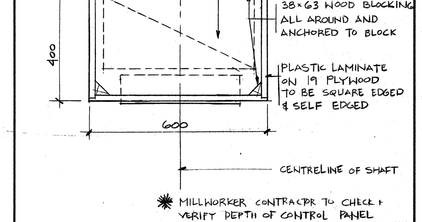
10 / A15 GYM STOR. UNIT 1:20



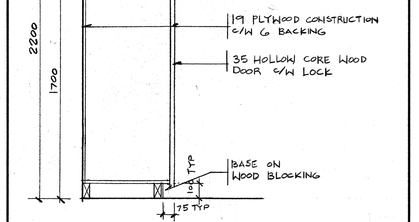
11 / A15 GYM STOR. UNIT 1:20



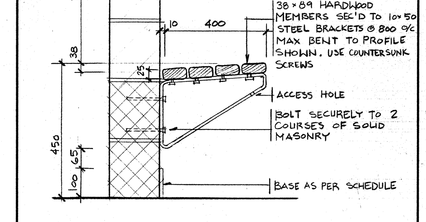
12 / A15 TYP. CONTROL PANEL ELEVATION 1:20



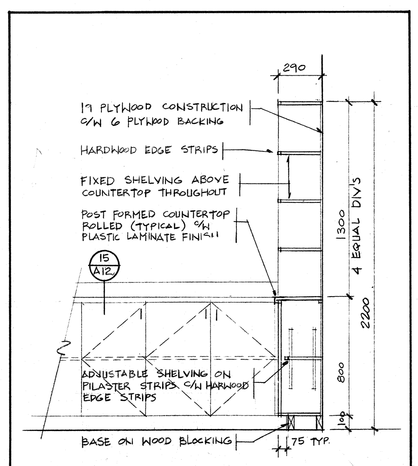
13 / A15 TYP. CONTROL PANEL SECTION 1:10



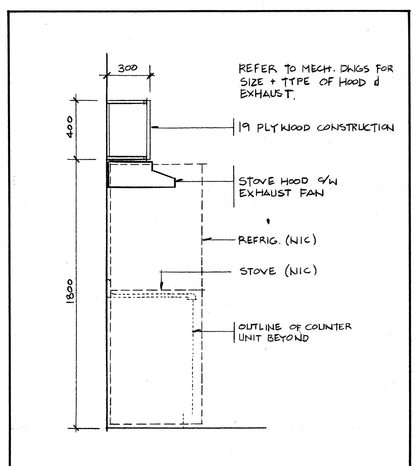
14 / A15 TEACHER'S CLOSET 1:20



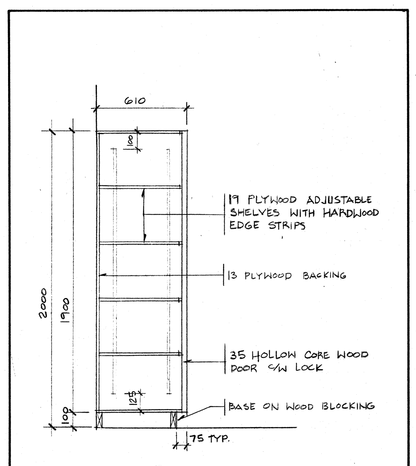
15 / A15 CHANGE ROOM BENCHES / SHELVING 1:10



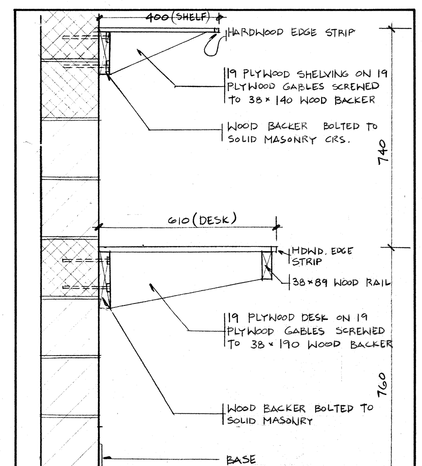
16 / A15 TMR LINEN STORAGE UNIT 1:20



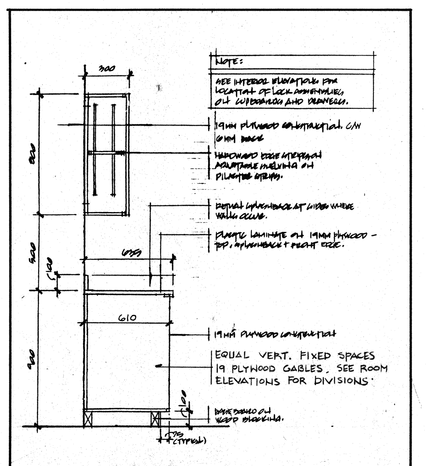
17 / A15 UPPER CUPBOARD UNIT 1:20



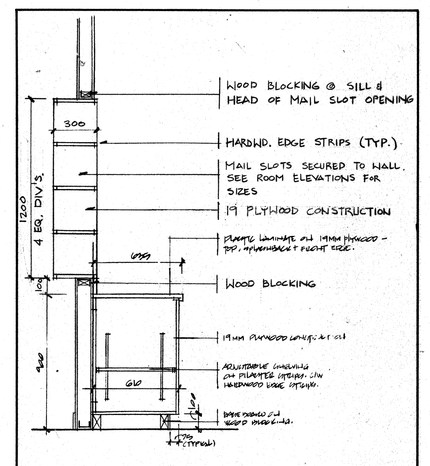
18 / A15 LOCKABLE ADJUSTABLE SHELF UNIT 1:20



19 / A15 CUSTODIAN ROOM SHELVING 1:10



20 / A15 VERTICAL PAPER STORAGE UNIT 1:20



21 / A15 MAIL SLOTS 1:20

No.	Date	Description
	OCT 6/93	NEW DETAIL 23/A15 AS PER MIN GSS.

Revisions

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

FITTONS RD. ORILLIA

SIMCOE COUNTY SEPARATE SCHOOL BOARD

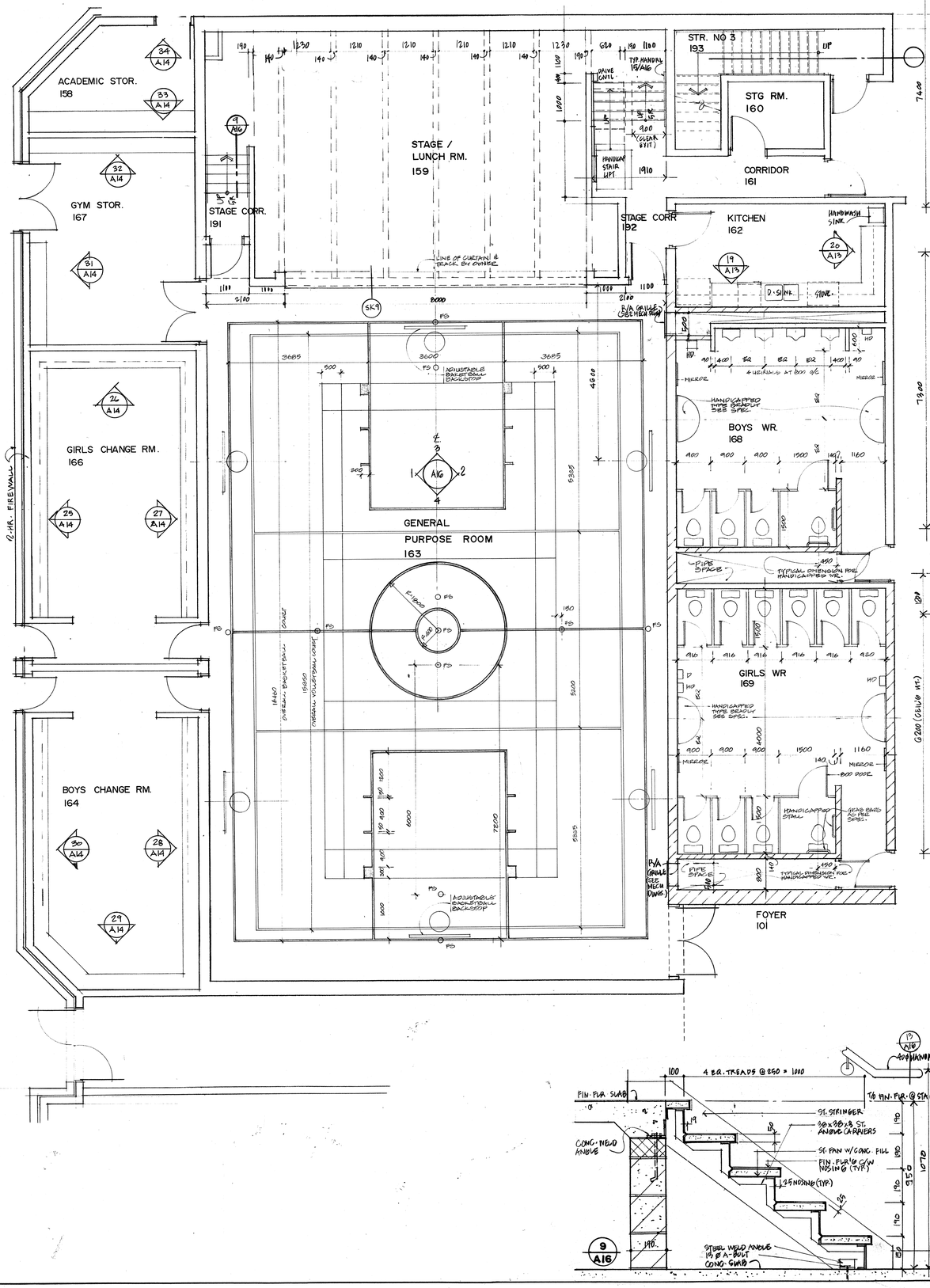
MILLWORK DETAILS & INTERIOR ELEVATIONS

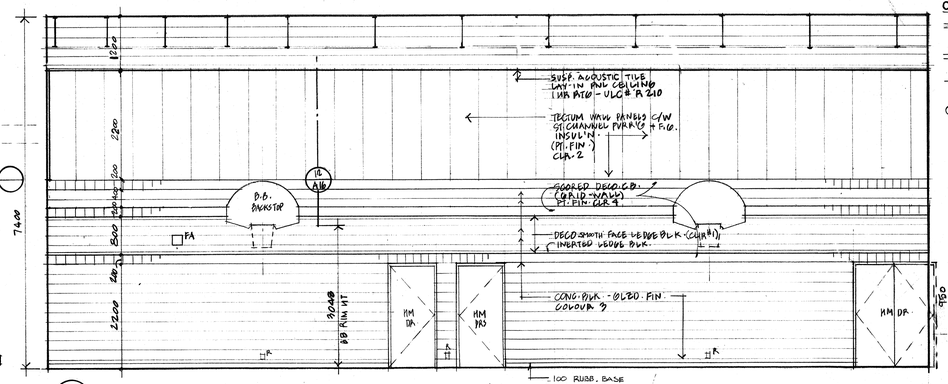
R.H. CARTER ARCHITECTS INC.

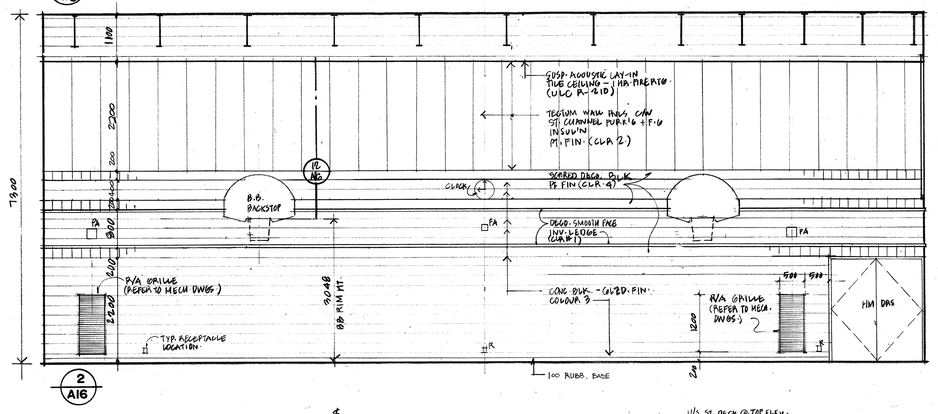
SUITE 200 897 KIPLING AVENUE ETOBICOKE ONTARIO M8Z 5H3 TEL 416-233-5583 FAX 416-233-5885

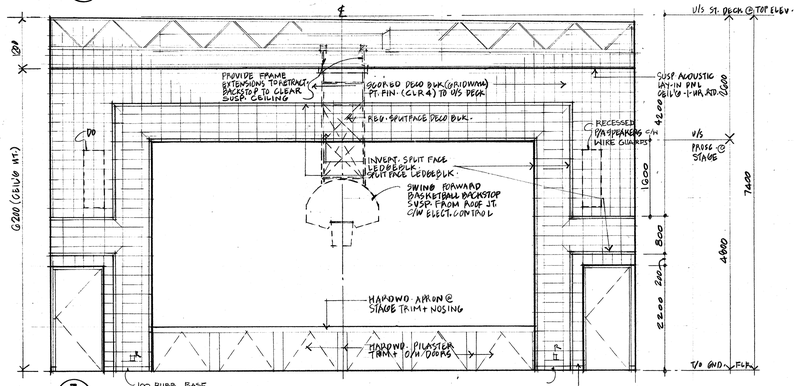
ONTARIO ASSOCIATION OF ARCHITECTS RONALD H. CARTER LICENCE 2696

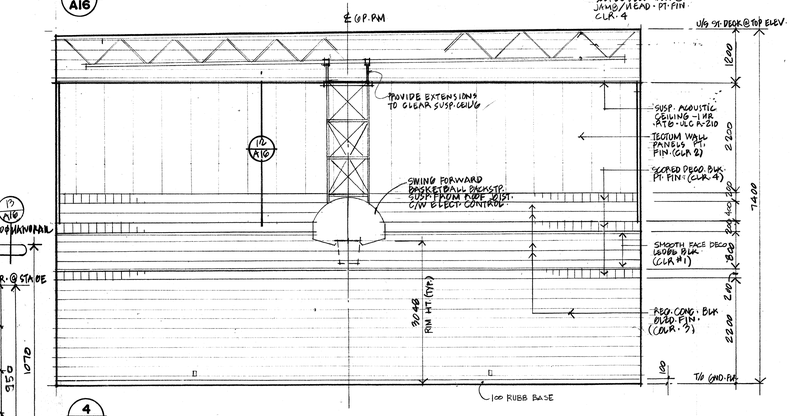
True North	Dwg. North
Scale	
Date	
Printed	
Project No. 92-56	Dwg. No. A15

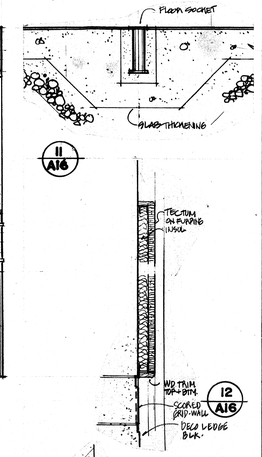












COURT LINES LEGEND

- BASKETBALL COURT 50mm. RED LINES
- VOLLEY BALL COURT 50mm. WHITE LINES
- BADMINTON COURT 38 mm YELLOW LINES
- ○FS FLOOR SOCKET FOR GAME STANDARDS

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

FITTONS RD. ORILLIA

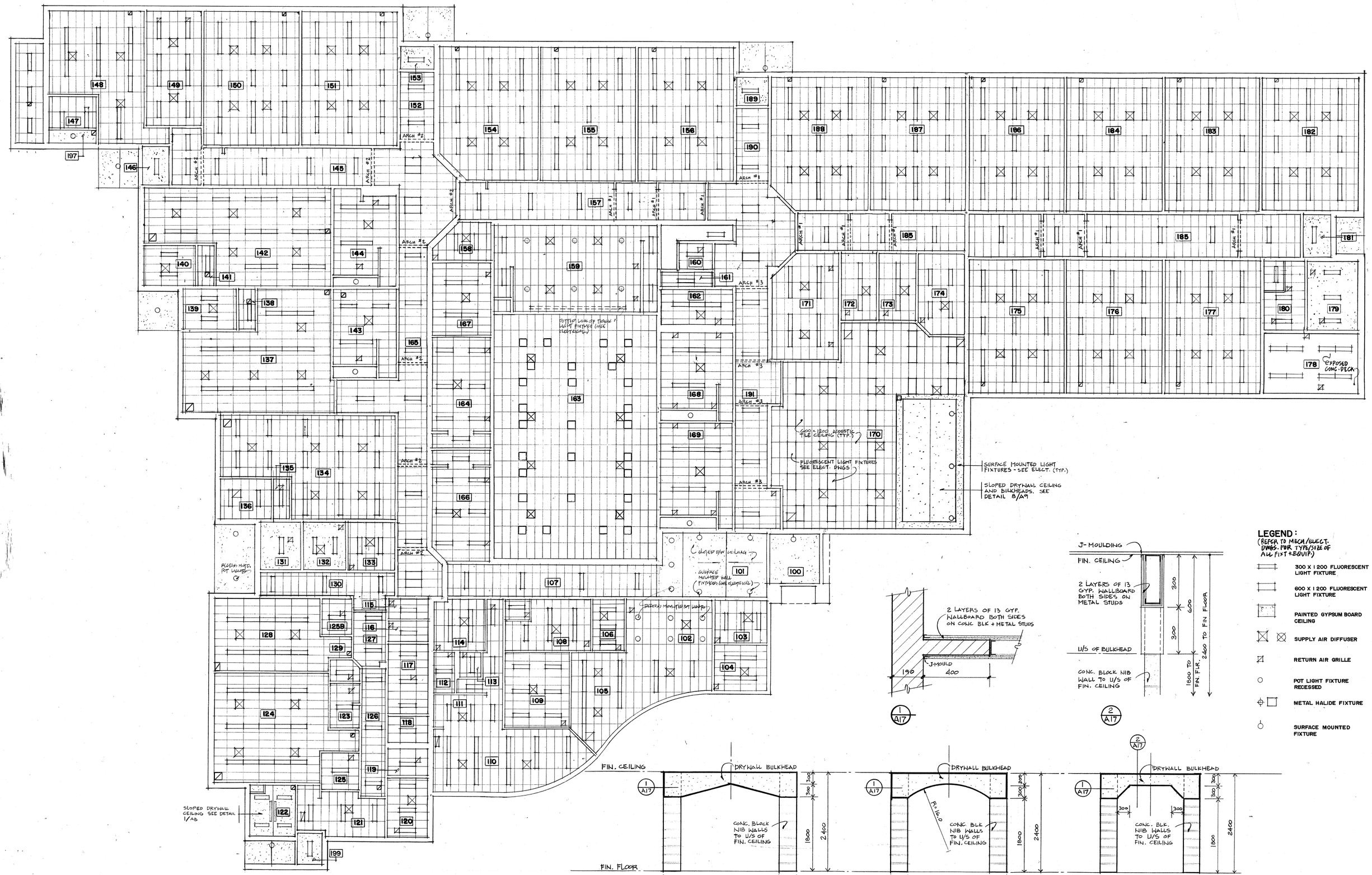
SIMCOE COUNTY SEPARATE SCHOOL BOARD

G.P. ROOM LAYOUT INTERIOR ELEVATIONS AND DETAILS

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

True North	Dwg. North
Scale	1:50
Date	
Printed	
Project No. 92-56	Dwg. No. A16



ARCH NO. 1 SCALE 1:40

ARCH NO. 2 SCALE 1:40

ARCH NO. 3 SCALE 1:40

LEGEND :
(REFER TO MECH/ELECT. DWGS. FOR TYPE/SIZE OF ALL FIXT+EQUIP.)

- 300 X 1200 FLUORESCENT LIGHT FIXTURE
- 600 X 1200 FLUORESCENT LIGHT FIXTURE
- PAINTED GYPSUM BOARD CEILING
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- POT LIGHT FIXTURE RECESSED
- METAL HALIDE FIXTURE
- SURFACE MOUNTED FIXTURE

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

NOTRE DAME CATHOLIC SCHOOL

REFLECTED CEILING PLAN

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 KIPLING AVENUE
ETOBICOKE ONTARIO M8Z 5H3
TEL 416-233-5583 FAX 416-233-5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

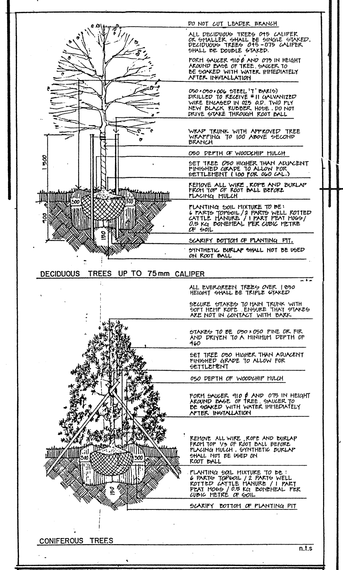
True North	Dwg. North
Scale	1:125
Date	
Printed	
Project No.	92-56
Dwg. No.	A17

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	CALIPER	ROOT	REMARKS
4 Ap	Acer platanoides	Norway Maple	4500		65	W.B.	FULL FORM
5 Ap	Acer platanoides 'Crimson King'	Crimson King Maple	4500		65	W.B.	FULL FORM
3 Gt	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Honey-locust	4500		65	W.B.	FULL FORM
-							FULL FORM
4 Pg	Picea pungens	Colorado Spruce	2400			W.B.	FULL FORM

LEGEND
(REFER TO SITE PLAN A-2)

- NEW SOD
- CONCRETE PAVEMENT
- ASPHALT PAVING MEDIUM DUTY
- ASPHALT PAVING HEAVY DUTY
- INTERLOCKING STONE PAVERS
- 274.00 EXISTING GRADE ELEVATIONS
- 274.25 NEW FIN. GRADE ELEVATIONS
- NEW CONCRETE CURBS (REFER TO DETAILS)
- MH MANHOLE
- CB CATCH BASIN
- FH FIRE HYDRANT
- HP HYDRO POLE
- DIRECTION OF SURFACE DRAINAGE
- BORE HOLE LOCATIONS
- LS LIGHT STANDARD



NOTE: THIS DRAWING FOR LANDSCAPE INFORMATION ONLY - REFER TO DWG. A2 FOR TOPOGRAPHICAL + FINISHED ELEVATIONS

No.	Date	Description
Revisions		

Dimensions are to be checked and verified by the Contractor on the site

ORILLIA WEST SCHOOL

FITTONS RD. ORILLIA
SIMCOE COUNTY SEPARATE SCHOOL BOARD

PARTIAL SITE PLAN LANDSCAPE PLAN

R.H. CARTER ARCHITECTS INC.
SUITE 200 897 RIPPLING AVENUE
E ORILLIA ONTARIO L3V 7R1
TEL 416.235.5583 FAX 416.235.5585

ONTARIO ASSOCIATION OF ARCHITECTS
RONALD H. CARTER
LICENCE 2696

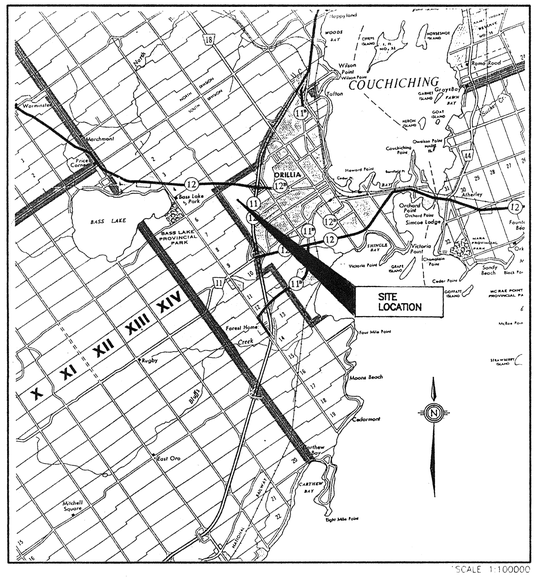
True North	Dwg. North
Scale	1:300
Date	JUNE 1993
Printed	
Project No.	92-56
Dwg. No.	L1

ROAD ALLOWANCE BETWEEN LOTS 5 & 6 (KNOWN AS FITTONS ROAD)

ROAD ALLOWANCE BETWEEN CONCESSIONS 2 & 3 (HARVIE

CITY OF ORILLIA

ORILLIA WEST TRUNK SEWERS



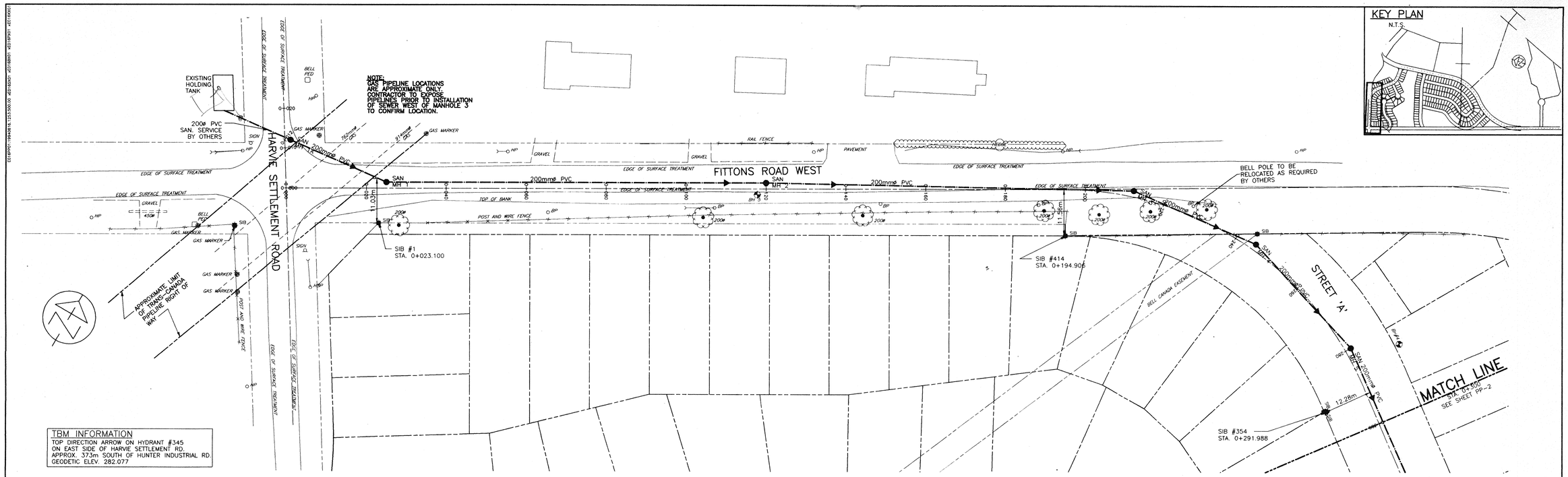
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SCHEDULE OF DRAWINGS		
SHEET No.	DESCRIPTION	
	COVER PAGE AND INDEX	
PP-1	PLAN AND PROFILE	FITTONS ROAD WEST/STREET A STA. 0+000 TO STA. 0+300
PP-2	PLAN AND PROFILE	STREET A STA. 0+300 TO STA. 0+535.515
PP-3	PLAN AND PROFILE	STREET B STA. 0+000 TO STA. 0+340
PP-4	PLAN AND PROFILE	STREET B STA. 0+340 TO STA. 0+680
PP-5	PLAN AND PROFILE	STREET B/HARVIE SETTLEMENT ROAD STA. 0+680 TO STA. 1+020
PP-6	PLAN AND PROFILE	HARVIE SETTLEMENT ROAD STA 1+020 TO STA. 1+240
PP-7	PLAN AND PROFILE	SANITARY EASEMENT STA. 0+000 TO STA. 0+340
PP-8	PLAN AND PROFILE	SANITARY EASEMENT STA. 0+340 TO STA. 0+540
PS-1	TEMPORARY SEWAGE PUMPING STATION	
D-1	NOTES AND DETAILS	

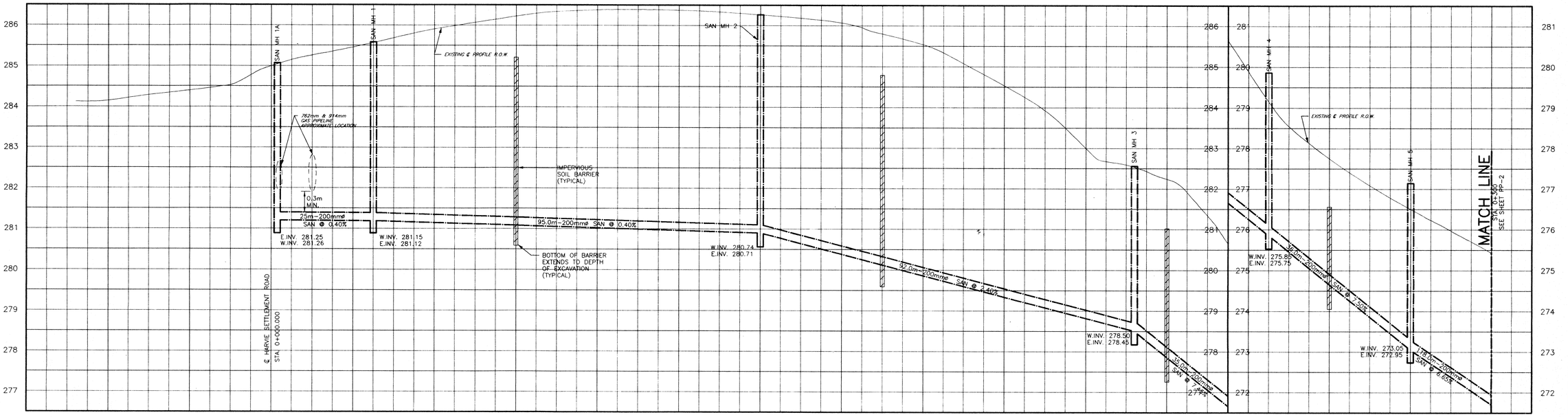
C.C. TATHAM & ASSOCIATES LTD.
Consulting Engineers
Collingwood, Ontario

Contract No. 94016

CITY OF ORILLIA
REC'D AT ENGINEERING
SEP 16 1994
REFER | NOTED
REPLY BY | DATE | INITIAL
FILE
COPY 1
COPY 2



TBM INFORMATION
TOP DIRECTION ARROW ON HYDRANT #345 ON EAST SIDE OF HARVIE SETTLEMENT RD. APPROX. 37.3m SOUTH OF HUNTER INDUSTRIAL RD. GEODETIC ELEV. 282.077



CHAINAGE	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300
EXISTING ℄ ELEV	284.14	284.39	284.99	285.46	285.90	286.22	286.38	286.37	286.26	286.07	285.54	284.53	283.00	282.24	279.89	277.75	276.50	275.43
PROPOSED ℄ ELEV																		

LEGEND

- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE

- MH — PROPOSED/EXISTING MANHOLE
- CB — PROPOSED/EXISTING CATCHBASIN
- CBMH — PROPOSED/EXISTING CATCHBASIN MANHOLE
- DICB — PROPOSED/EXISTING DITCH INLET CATCHBASIN
- DCB — PROPOSED/EXISTING DOUBLE CATCHBASIN
- HYD — PROPOSED/EXISTING HYDRANT
- PROPOSED/EXISTING VALVE
- LS — PROPOSED/EXISTING LIGHT STANDARD
- HP — PROPOSED/EXISTING HYDRO POLE
- PED — PEDESTAL
- GUYWIRE
- TRANS — TRANSFORMER
- S/B — STANDARD IRON BAR
- I/B — IRON BAR
- R/S — ROUND IRON BAR
- SIGN — SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BM — BENCHMARK LOCATION

NO.	REVISIONS	DATE	INITIAL

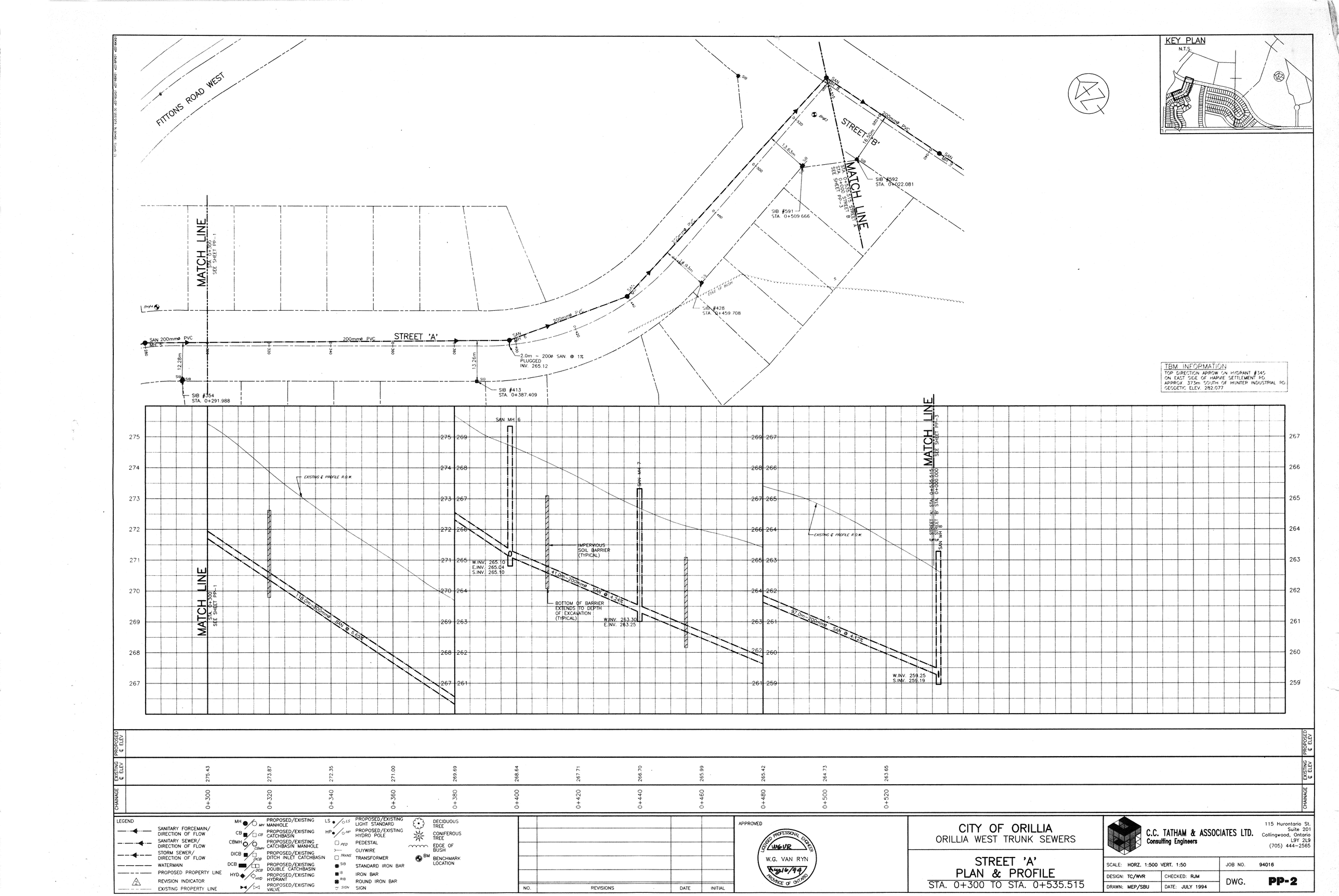
APPROVED
LICENSED PROFESSIONAL ENGINEER W.G. VAN RYN Aug 16/94 PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS
FITTONS ROAD WEST/STREET 'A' PLAN & PROFILE
STA. 0+000 TO STA. 0+300

C.C. TATHAM & ASSOCIATES LTD.
Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: HORZ. 1:500 VERT. 1:50	JOB NO. 94016
DESIGN: TC/WVR	CHECKED: RJM
DRAWN: MEP/SBU	DATE: JULY 1994

DWG. PP-1



PROPOSED ℄ ELEV.												
EXISTING ℄ ELEV.	275.43	273.87	272.35	271.00	269.69	268.64	267.71	266.70	265.99	265.42	264.73	263.65
CHAINAGE	0+300	0+320	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520

LEGEND

- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE
- PROPOSED/EXISTING MANHOLE
- PROPOSED/EXISTING CATCHBASIN
- PROPOSED/EXISTING CATCHBASIN MANHOLE
- PROPOSED/EXISTING DITCH INLET CATCHBASIN
- PROPOSED/EXISTING DOUBLE CATCHBASIN
- PROPOSED/EXISTING HYDRANT
- PROPOSED/EXISTING VALVE
- PROPOSED/EXISTING LIGHT STANDARD
- PROPOSED/EXISTING HYDRO POLE
- PEDESTAL
- GUYWIRE
- TRANSFORMER
- STANDARD IRON BAR
- IRON BAR
- ROUND IRON BAR
- SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BENCHMARK LOCATION

NO.	REVISIONS	DATE	INITIAL

APPROVED

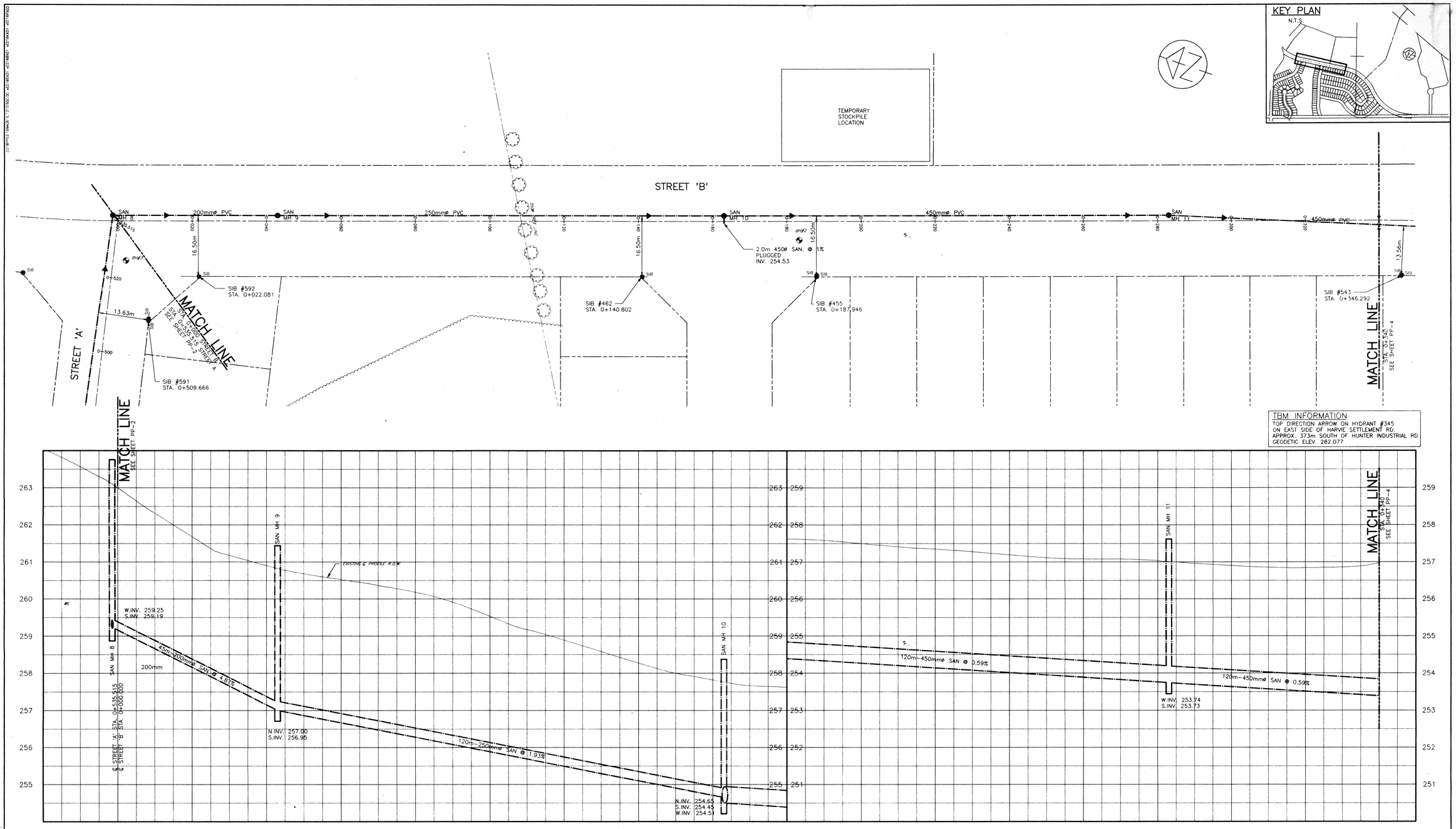
LICENSED PROFESSIONAL ENGINEER
W.G. VAN RYN
Aug/16/94
PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS

STREET 'A'
PLAN & PROFILE
STA. 0+300 TO STA. 0+535.515

C.C. TATHAM & ASSOCIATES LTD.
Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: HORZ. 1:500 VERT. 1:50		JOB NO. 94016	
DESIGN: TC/WVR	CHECKED: RJM	DWG.	PP-2
DRAWN: MEP/SBU	DATE: JULY 1994		



CHAINAGE	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340
EXISTING ℄ ELEV	263.00	261.68	260.90	260.52	260.18	259.53	258.89	258.27	257.81	257.62	257.49	257.35	257.19	257.08	257.03	256.90	256.84	256.98
PROPOSED ℄ ELEV																		

LEGEND

- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE
- PROPOSED/EXISTING MANHOLE
- PROPOSED/EXISTING CATCHBASIN
- PROPOSED/EXISTING CATCHBASIN MANHOLE
- PROPOSED/EXISTING DITCH INLET CATCHBASIN
- PROPOSED/EXISTING DOUBLE CATCHBASIN
- PROPOSED/EXISTING HYDRANT
- PROPOSED/EXISTING VALVE
- PROPOSED/EXISTING LIGHT STANDARD
- PROPOSED/EXISTING HYDRO POLE
- PEDESTAL
- GUYWIRE
- TRANSFORMER
- STANDARD IRON BAR
- IRON BAR
- ROUND IRON BAR
- SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BENCHMARK LOCATION

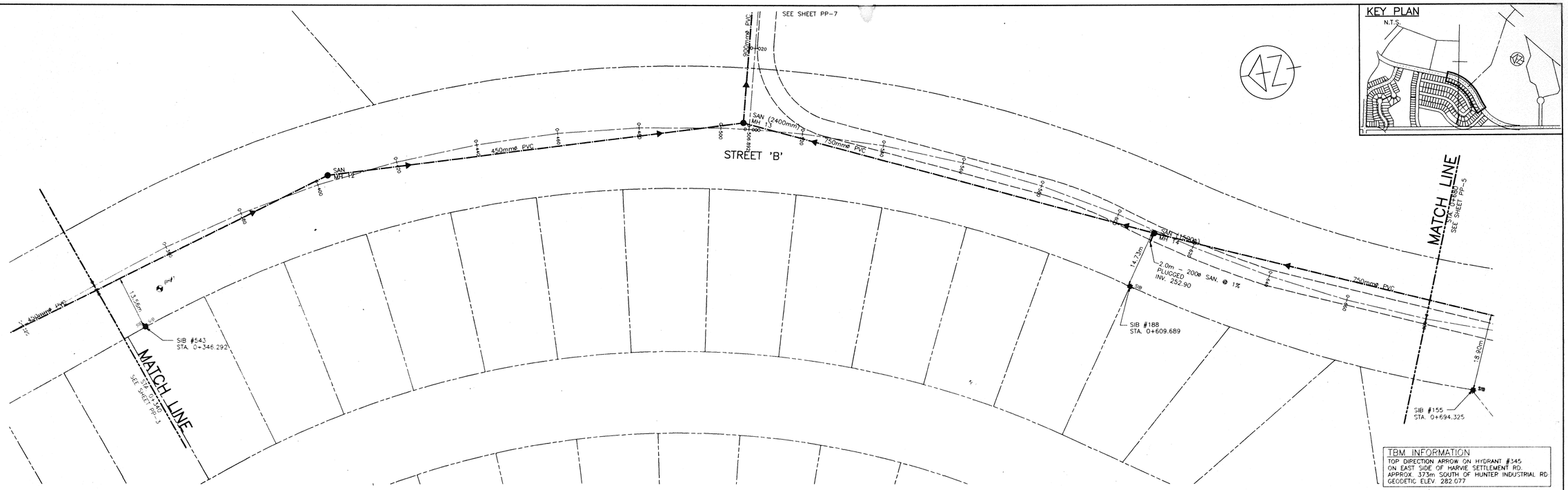
NO.	REVISIONS	DATE	INITIAL

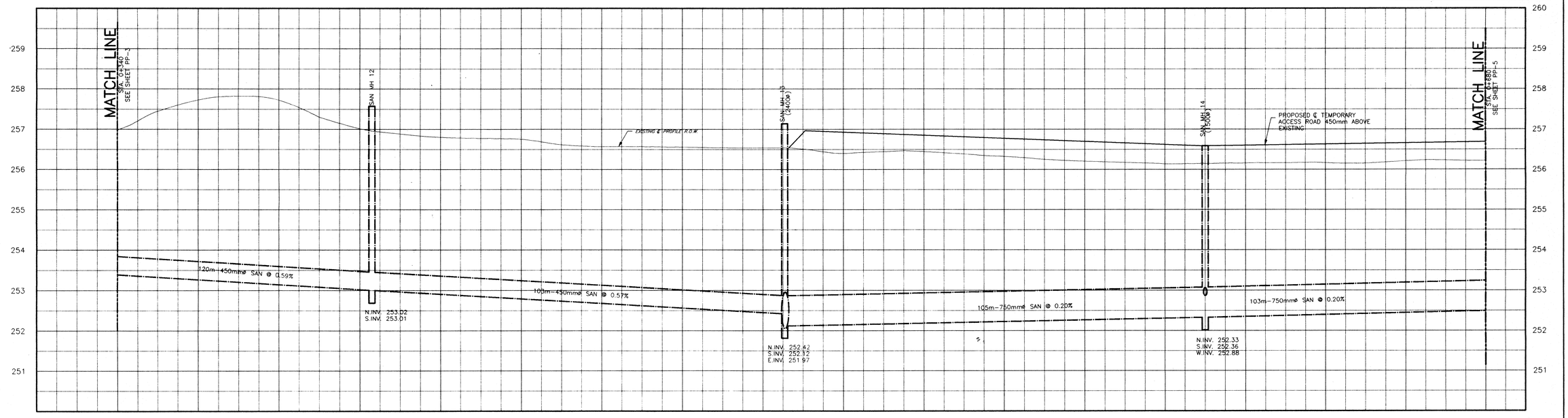
APPROVED
LICENSED PROFESSIONAL ENGINEER
W.G. VAN RYN
Aug 16/94
PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS
STREET 'B' PLAN & PROFILE
STA. 0+000 TO STA. 0+340

C.C. TATHAM & ASSOCIATES LTD.
Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: HORZ. 1:500 VERT. 1:50		JOB NO. 94016	
DESIGN: TC/WVR	CHECKED: RJM	DWG.	PP-3
DRAWN: MEP/SBU	DATE: JULY 1994		





CHAINAGE	EXISTING ℄ ELEV	PROPOSED ℄ ELEV
0+340	256.98	
0+360	257.73	
0+380	257.72	
0+400	257.01	
0+420	256.80	
0+440	256.75	
0+460	256.57	
0+480	256.55	
0+500	256.54	
0+520	256.40	
0+540	256.44	
0+560	256.33	
0+580	256.21	
0+600	256.14	
0+620	256.16	
0+640	256.17	
0+660	256.21	
0+680	256.22	

LEGEND

- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE

- MH — PROPOSED/EXISTING MANHOLE
- CB — PROPOSED/EXISTING CATCHBASIN
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- PROPOSED/EXISTING VALVE
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- PEDESTAL
- GUYWIRE
- TRANSFORMER
- STANDARD IRON BAR
- IRON BAR
- ROUND IRON BAR
- SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BM — BENCHMARK LOCATION

NO.	REVISIONS	DATE	INITIAL

APPROVED

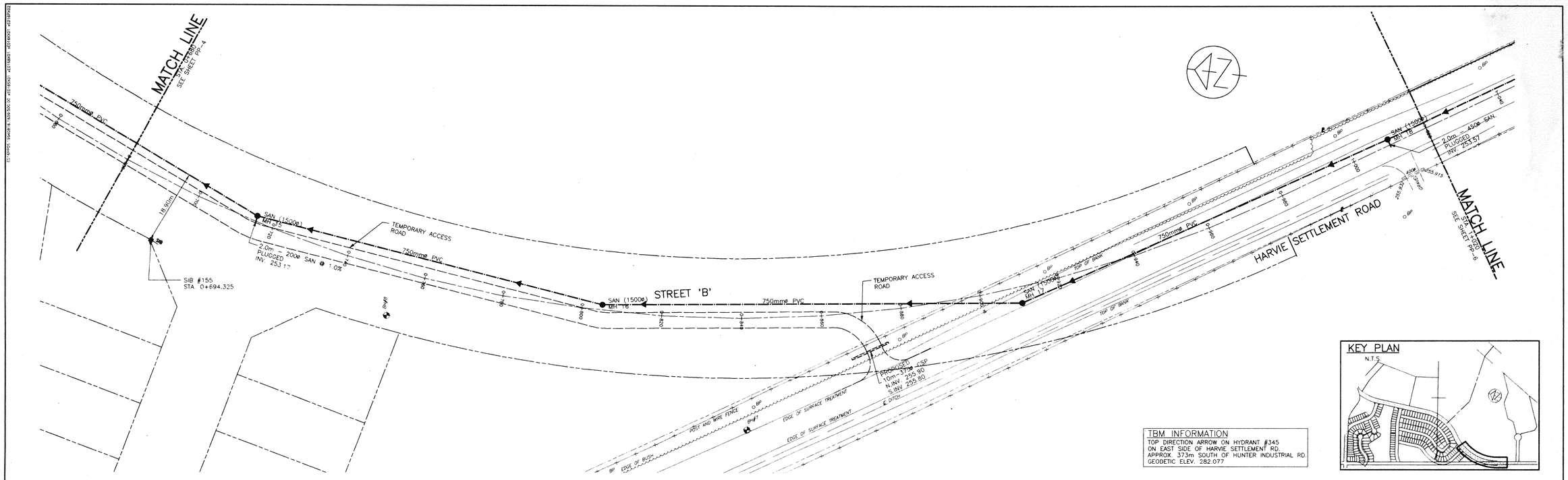
LICENSED PROFESSIONAL ENGINEER
W.G. VAN RYN
PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS

STREET 'B'
PLAN & PROFILE
STA. 0+340 TO STA. 0+680

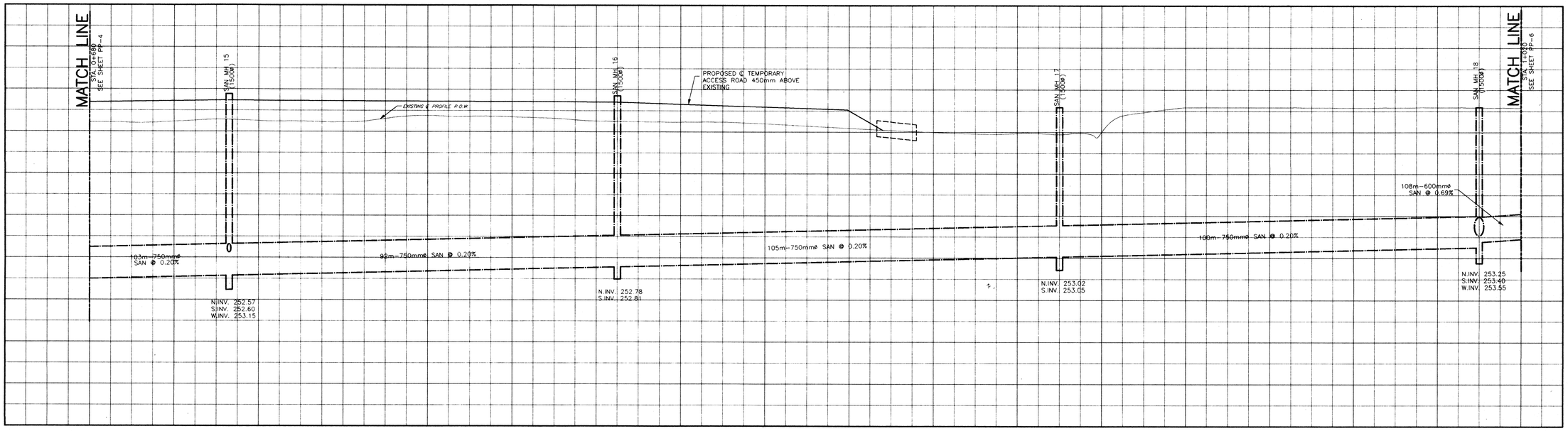
C.C. TATHAM & ASSOCIATES LTD.
Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: HORZ. 1:500 VERT. 1:50		JOB NO.	94016
DESIGN: TC/WVR	CHECKED: RJM	DWG.	PP-4
DRAWN: MEP/SBU	DATE: JULY 1994		



KEY PLAN
N.T.S.

TBM INFORMATION
TOP DIRECTION ARROW ON HYDRANT #345
ON EAST SIDE OF HARVIE SETTLEMENT RD.
APPROX. 373m SOUTH OF HUNTER INDUSTRIAL RD.
GEODETIC ELEV. 282.077



CHAINAGE	0+680	0+700	0+720	0+740	0+760	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	1+020
EXISTING ℄ ELEV	256.22	256.23	256.25	256.23	256.38	256.35	256.26	256.23	256.19	256.09	255.99	255.97	256.00	256.59	256.59	256.58	256.59	256.57
PROPOSED ℄ ELEV																		

LEGEND

- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE

- MH / MH — PROPOSED/EXISTING MANHOLE
- CB / CB — PROPOSED/EXISTING CATCHBASIN
- CBMH / CBMH — PROPOSED/EXISTING CATCHBASIN MANHOLE
- DICB / DICB — PROPOSED/EXISTING DITCH INLET CATCHBASIN
- DCB / DCB — PROPOSED/EXISTING DOUBLE CATCHBASIN
- HYD / HYD — PROPOSED/EXISTING HYDRANT
- PROPOSED/EXISTING VALVE
- LS / LS — PROPOSED/EXISTING LIGHT STANDARD
- HP / HP — PROPOSED/EXISTING HYDRO POLE
- PED — PEDESTAL
- GUYWIRE
- TRANS — TRANSFORMER
- SIB — STANDARD IRON BAR
- IB — IRON BAR
- RIB — ROUND IRON BAR
- SIGN — SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BM — BENCHMARK LOCATION

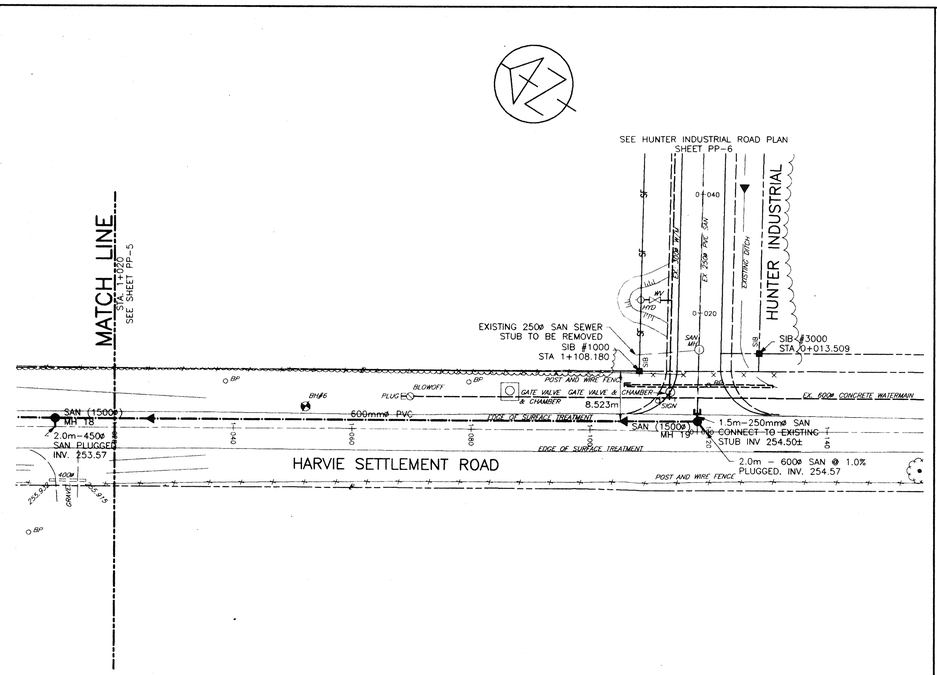
NO.	REVISIONS	DATE	INITIAL

APPROVED
LICENSED PROFESSIONAL ENGINEER
W.G. VAN RYN
Aug 16/94
PROVINCE OF ONTARIO

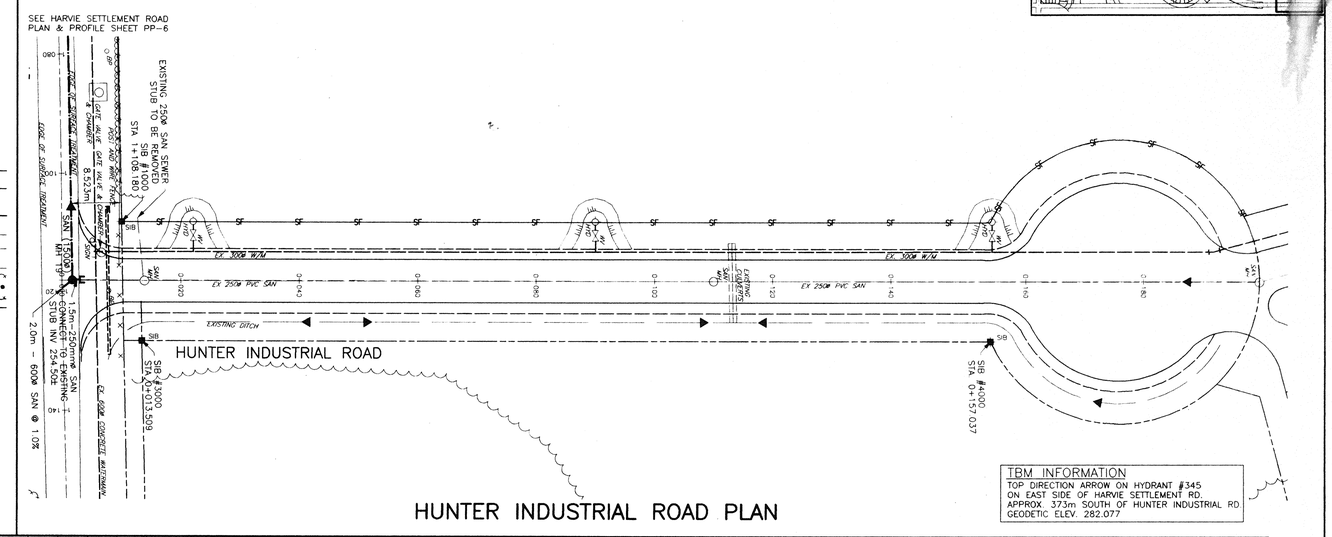
CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS
ST. 'B'/HARVIE SETTLEMENT RD. PLAN & PROFILE
STA. 0+680 TO STA. 1+020

C.C. TATHAM & ASSOCIATES LTD.
Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: HORZ. 1:500 VERT. 1:50		JOB NO.	94016
DESIGN: TC/WVR	CHECKED: RJM	DWG.	PP-5
DRAWN: MEP/SBU	DATE: JULY 1994		



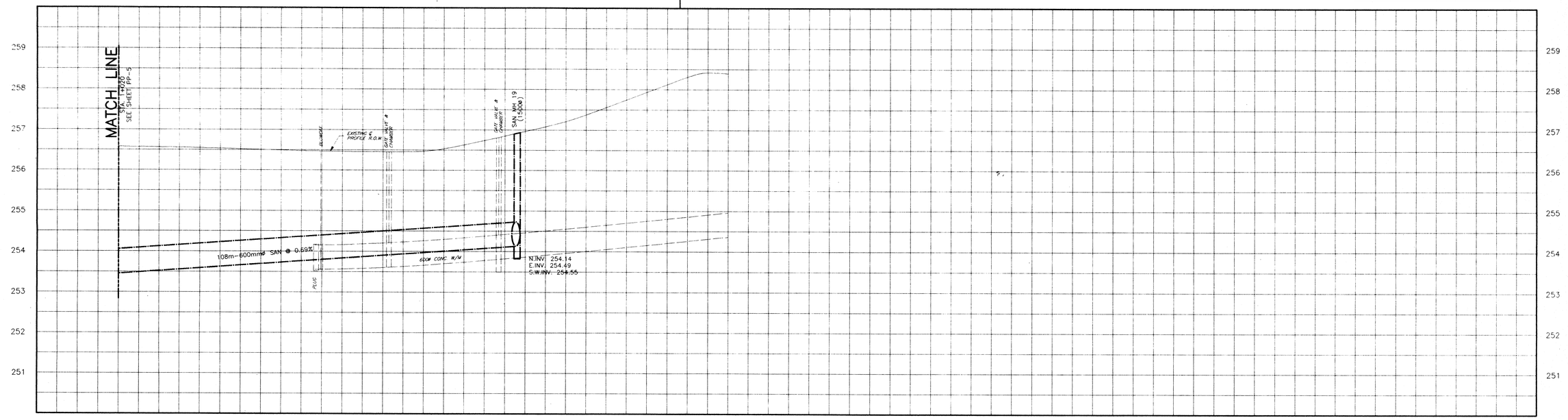
HARVIE SETTLEMENT ROAD PLAN & PROFILE



HUNTER INDUSTRIAL ROAD PLAN

KEY PLAN
N.T.S.

TBM INFORMATION
TOP DIRECTION ARROW ON HYDRANT #345 ON EAST SIDE OF HARVIE SETTLEMENT RD. APPROX. 373m SOUTH OF HUNTER INDUSTRIAL RD. GEODETIC ELEV. 282.077



CHAINAGE	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180
EXISTING ℄ ELEV.	256.57	256.54	256.49	256.46	256.53	256.96	257.56	258.31	258.32
PROPOSED ℄ ELEV.									

LEGEND

- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE

- MH — PROPOSED/EXISTING MANHOLE
- CB — PROPOSED/EXISTING CATCHBASIN
- CBMH — PROPOSED/EXISTING CATCHBASIN MANHOLE
- DICB — PROPOSED/EXISTING DITCH INLET CATCHBASIN
- DCB — PROPOSED/EXISTING DOUBLE CATCHBASIN
- HYD — PROPOSED/EXISTING HYDRANT
- PROPOSED/EXISTING VALVE
- LS — PROPOSED/EXISTING LIGHT STANDARD
- HP — PROPOSED/EXISTING HYDRO POLE
- PED — PEDESTAL
- GUYWIRE
- TRANS — TRANSFORMER
- STANDARD IRON BAR
- IB — IRON BAR
- RIB — ROUND IRON BAR
- SIGN — SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BM — BENCHMARK LOCATION

NO.	REVISIONS	DATE	INITIAL
1	ADDED SIB #3000, SIB #4000.	SEPT 13/94	WGVR

APPROVED

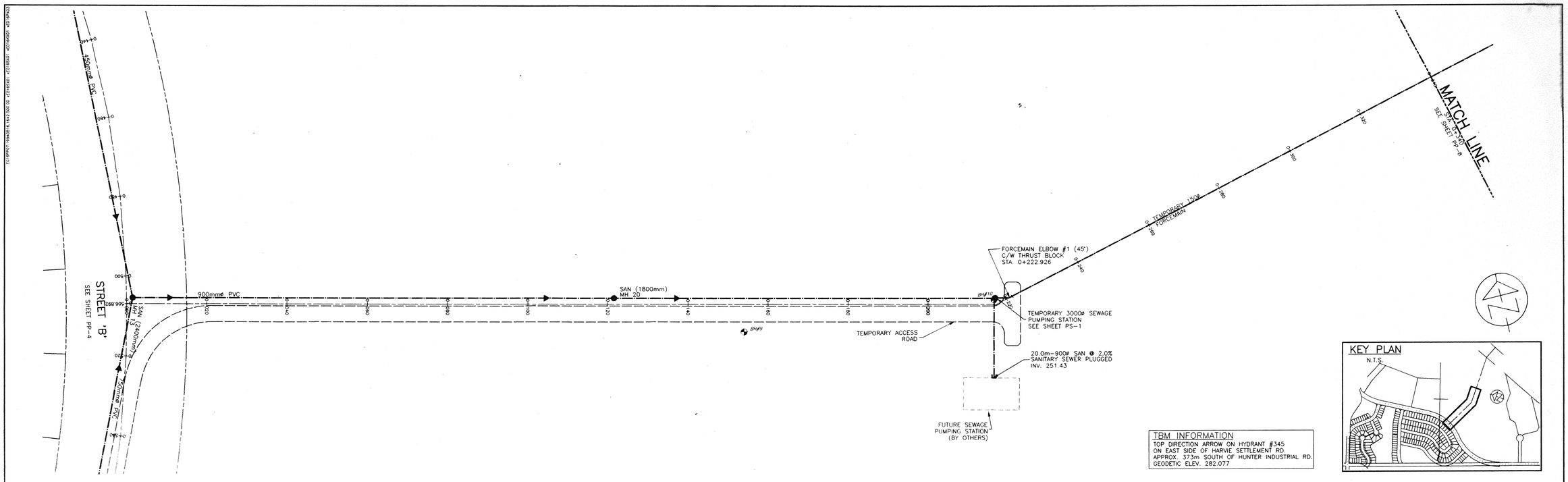
LICENSED PROFESSIONAL ENGINEER W.G. VAN RYN 94/13/94 PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS
HARVIE SETTLEMENT ROAD PLAN & PROFILE
STA. 1+020 TO STA. 1+180

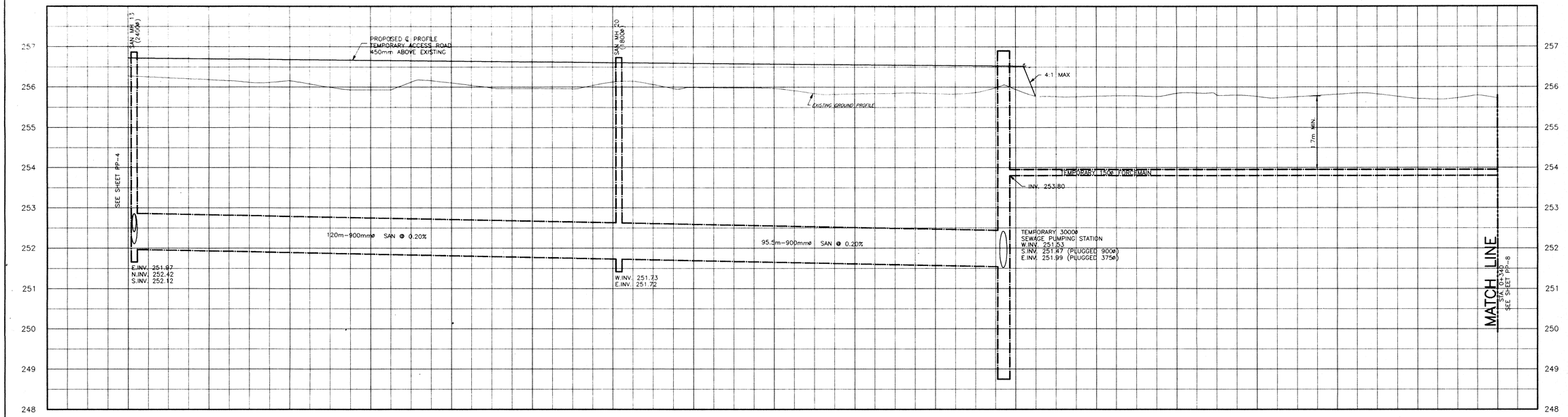
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Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: HORZ. 1:500 VERT. 1:50	JOB NO. 94016
DESIGN: TC/WVR	CHECKED: RJM
DRAWN: MEP/SBU	DATE: JULY 1994

DWG. PP-6



TBM INFORMATION
TOP DIRECTION ARROW ON HYDRANT #345
ON EAST SIDE OF HARVIE SETTLEMENT RD.
APPROX. 373m SOUTH OF HUNTER INDUSTRIAL RD.
GEODETIC ELEV. 282.077



CHAINAGE	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200	0+220	0+240	0+260	0+280	0+300	0+320	0+340
EXISTING ℄ ELEV.	256.27	256.18	256.16	255.93	256.10	255.96	256.12	255.99	255.97	255.83	255.83	255.94	255.77	255.85	255.77	255.82	255.72	255.73
PROPOSED ℄ ELEV.																		

LEGEND

- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE

- MH — PROPOSED/EXISTING MANHOLE
- CB — PROPOSED/EXISTING CATCHBASIN
- CBMH — PROPOSED/EXISTING CATCHBASIN MANHOLE
- DICB — PROPOSED/EXISTING DITCH INLET CATCHBASIN
- DCB — PROPOSED/EXISTING DOUBLE CATCHBASIN
- HYD — PROPOSED/EXISTING HYDRANT
- PROPOSED/EXISTING VALVE
- LS — PROPOSED/EXISTING LIGHT STANDARD
- HP — PROPOSED/EXISTING HYDRO POLE
- PEDESTAL
- GUYWIRE
- TRANS — TRANSFORMER
- SIB — STANDARD IRON BAR
- IB — IRON BAR
- RIB — ROUND IRON BAR
- SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BM — BENCHMARK LOCATION

NO.	REVISIONS	DATE	INITIAL

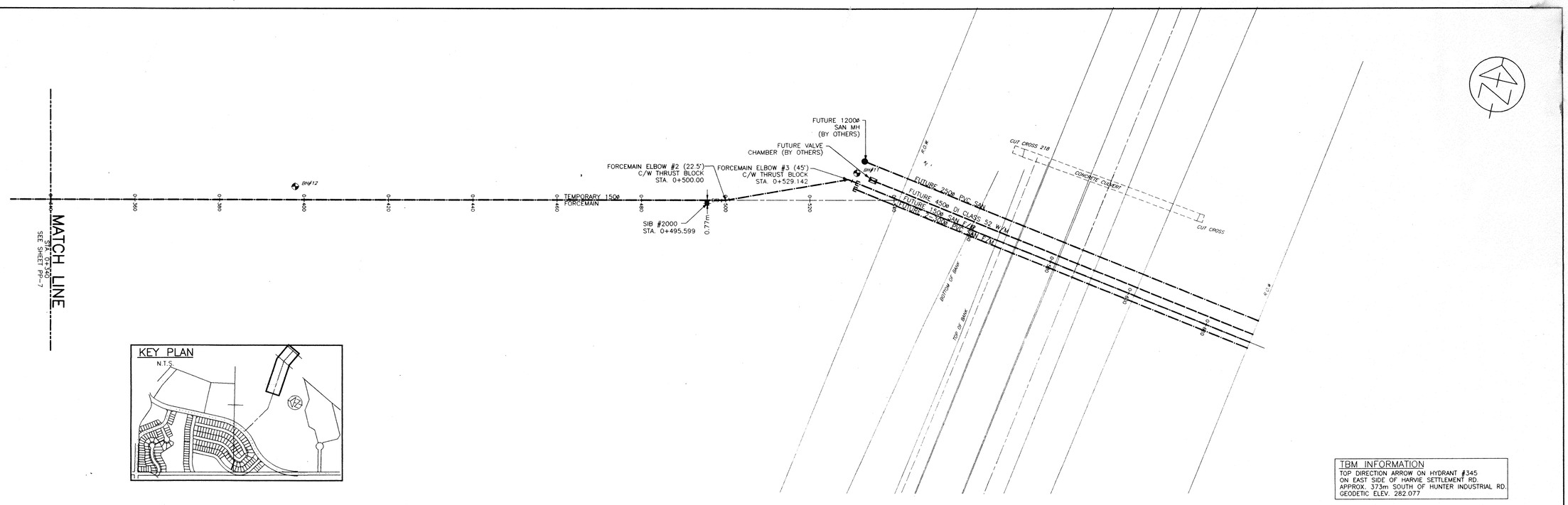
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W.G. VAN RYN
PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS
SANITARY EASEMENT PLAN & PROFILE
STA. 0+000 TO STA. 0+340

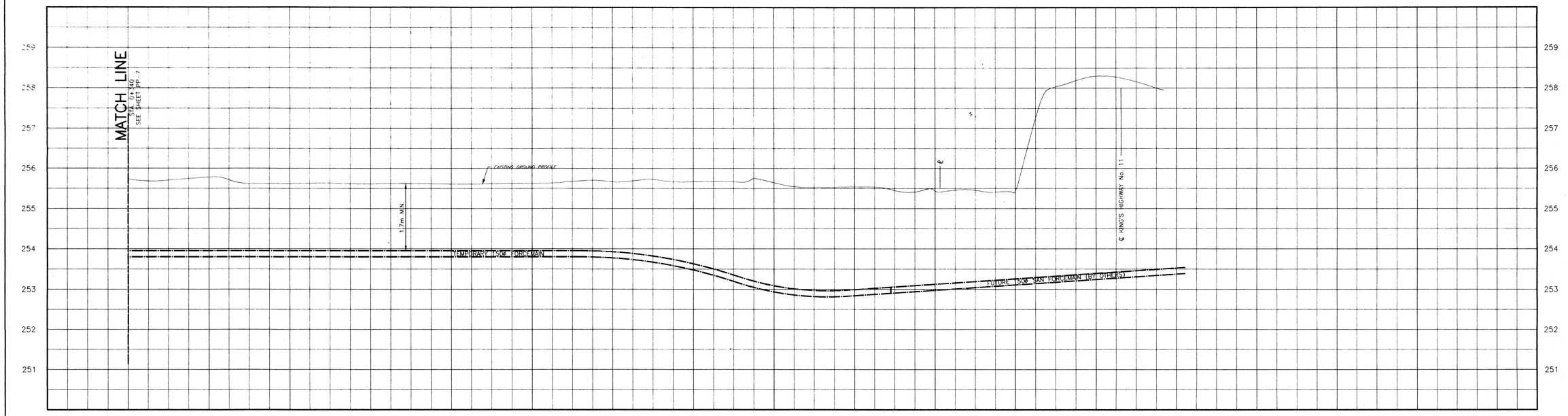
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Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: HORZ. 1:500 VERT. 1:50	JOB NO. 94016
DESIGN: TC/WVR	CHECKED: RJM
DRAWN: MEP/SBU	DATE: JULY 1994

DWG. PP-7



TBM INFORMATION
TOP DIRECTION ARROW ON HYDRANT #345
ON EAST SIDE OF HARVIE SETTLEMENT RD.
APPROX. 373m SOUTH OF HUNTER INDUSTRIAL RD.
GEODETIC ELEV. 282.077



CHAINAGE	0+340	0+360	0+380	0+400	0+420	0+440	0+460	0+480	0+500	0+520	0+540
EXISTING ℄ ELEV	255.73	255.78	255.62	255.62	255.61	255.63	255.67	255.67	255.65	255.54	255.44
PROPOSED ℄ ELEV											

LEGEND
- SANITARY FORCEMAIN/ DIRECTION OF FLOW
- SANITARY SEWER/ DIRECTION OF FLOW
- STORM SEWER/ DIRECTION OF FLOW
- WATERMAIN
- PROPOSED PROPERTY LINE
- REVISION INDICATOR
- EXISTING PROPERTY LINE
- PROPOSED/EXISTING MANHOLE
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- PROPOSED/EXISTING DOUBLE CATCHBASIN
- PROPOSED/EXISTING HYDRANT
- PROPOSED/EXISTING VALVE
- PROPOSED/EXISTING LIGHT STANDARD
- PROPOSED/EXISTING HYDRO POLE
- PEDESTAL
- GUYWIRE
- TRANSFORMER
- STANDARD IRON BAR
- IRON BAR
- ROUND IRON BAR
- SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF BUSH
- BENCHMARK LOCATION

NO.	REVISIONS	DATE	INITIAL

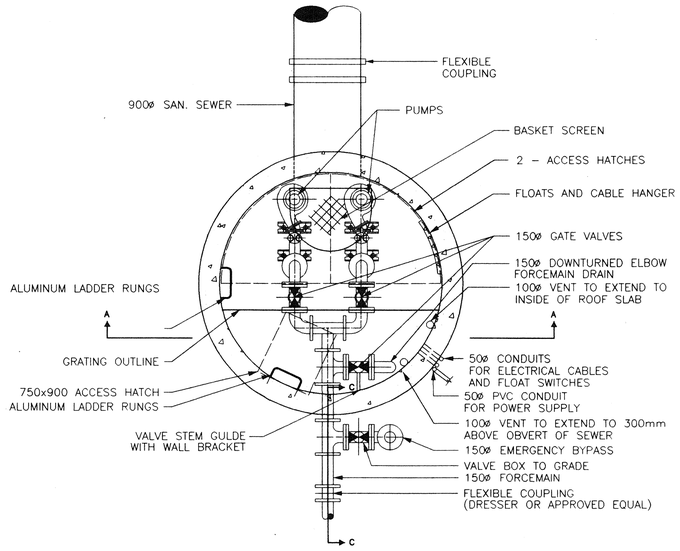
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LICENSED PROFESSIONAL ENGINEER
W.G. VAN RYN
Aug 16/94
PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS
SANITARY EASEMENT PLAN & PROFILE
STA. 0+340 TO STA. 0+540

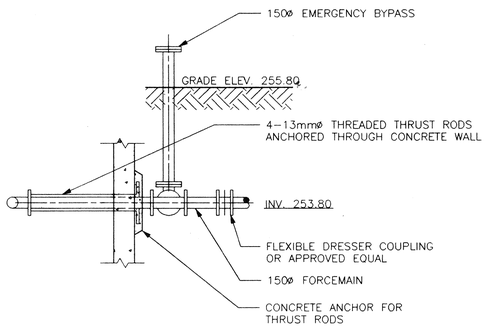
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Consulting Engineers
115 Hurontario St.
Suite 201
Collingwood, Ontario
L9Y 2L9
(705) 444-2565

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DESIGN: TC/WVR	CHECKED: RJM
DRAWN: MEP/SBU	DATE: JULY 1994

DWG. **PP-8**



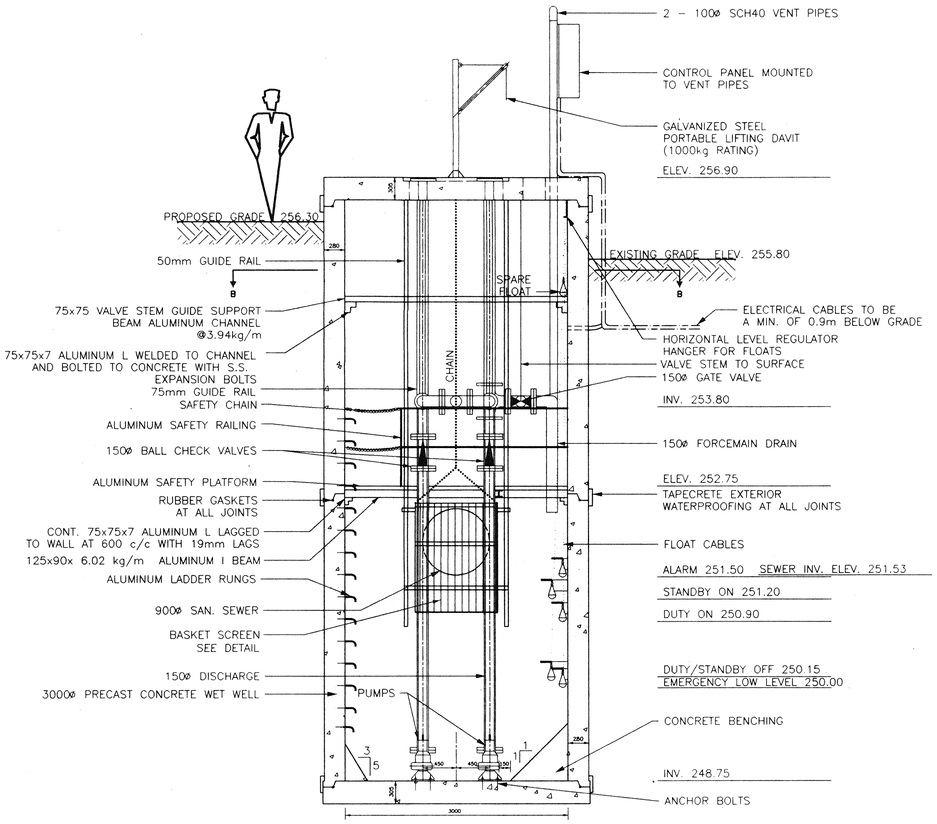
SECTION B-B



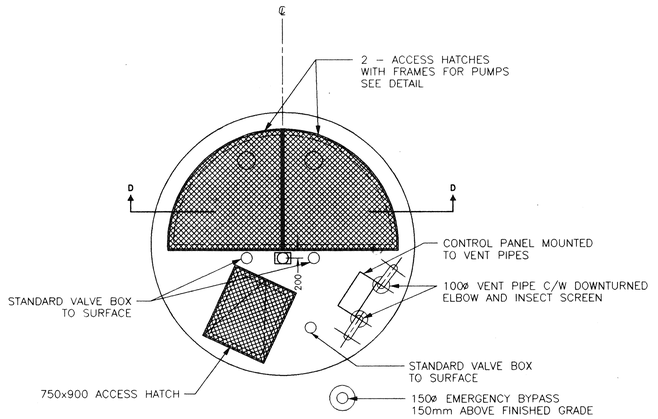
SECTION C-C

GENERAL NOTES:

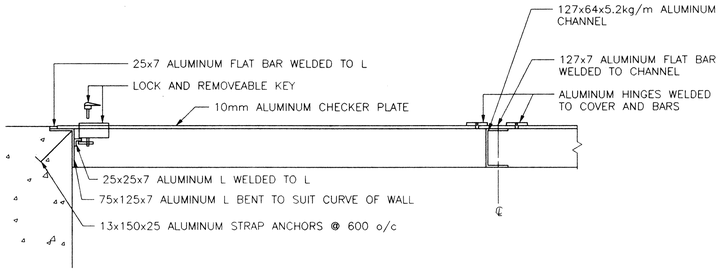
1. SEWAGE PUMPS TO BE INSTALLED WITH ACCESS DOORS, PIPE SPACERS, PUMP CONTROL FLOATS, FLOAT HANGER, GALVANIZED LIFTING CHAIN, STATIONARY PUMP BASE FITTINGS AND COMBINED CONTROL PANEL AS SHOWN.
2. ALL DIMENSIONS FOR PUMP LOCATIONS, LIFTING RAILS AND ACCESS HATCHES TO BE CONFIRMED FROM MANUFACTURERS SHOP DRAWINGS.
3. PUMPS TO BE FLYGT MODEL CP.3201HT, WITH 3.0 H.P., 3 PHASE MOTOR IMPELLER #452. EACH PUMP TO HAVE A PUMPING CAPACITY OF 33 LITRES/s (523 USgpm) AT 41m (135ft) HEAD, OR APPROVED EQUAL.
4. PUMP CONTROL PANEL TO BE FLYGT MPC-88/89 OR APPROVED EQUAL WITH MICROPROCESSOR TYPE CONTROLLER AND TELEPHONE ALARM RELAY, ALL IN A DOUBLE WATERPROOF ENCLOSURE. CONTROL PANEL IS TO BE EQUIPPED WITH AN AUTOMATIC RE-START OF THE SEWAGE PUMPS IN THE EVENT OF THEIR SHUTDOWN DURING POWER FLUCTUATIONS AND OUTAGES MOUNT ON VENT PIPES.
5. FLOAT SWITCHES SHALL BE ADJUSTABLE OVER A VERTICAL RANGE OF 0.3m.
6. LIFTING RAILS FOR PUMPS SHALL BE PLUMB AND SPACED SUCH THAT PUMPS LIFT WITHOUT BINDING. SCHEDULE 80 GALVANIZED STEEL.
7. ACCESS HATCHES TO BE LOCKABLE ALUMINUM CHECKER PLATE AND DESIGNED FOR 800 kg/m^2
8. ALUMINUM SAFETY PLATFORM AND GRATING TO BE DESIGNED FOR 800 kg/m^2.
9. 150ø PLUG VALVES TO BE FLANGED.(KEYSTONE BALL CENTRIC OR APPROVED EQUAL)
10. 150ø BALL CHECK VALVES TO BE FLANGED.(FLOWMATIC MODEL 50 OR APPROVED EQUAL)
11. ALL PIPING TO BE DUCTILE IRON.
12. ELECTRICAL WORK AND EQUIPMENT IN WET WELL TO COMPLY WITH SECTION 18 OF THE ONTARIO ELECTRICAL CODE SINCE WET WELL IS CLASSIFIED AS CLASS 1, GROUP D, DIVISION II, HAZARDOUS LOCATION. PROVIDE CONNECTION FOR EMERGENCY MOBILE STANDBY POWER.
13. ELECTRICAL CONDUITS SHALL BE BURIED 0.9m MINIMUM BELOW FINISHED GRADE. PROVIDE ELECTRICAL MARKER TAPE ABOVE ELECTRICAL CONDUITS.
14. SHOP DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER TO BE PROVIDED FOR CONCRETE STRUCTURE, MISCELLANEOUS METAL, AND ALL MECHANICAL AND ELECTRICAL EQUIPMENT /SCHEMATICS. DRAWINGS TO BE SUBMITTED FOR REVIEW AND APPROVED BY ENGINEER PRIOR TO INSTALLATION.
15. ALUMINUM TO BE ALLOY 6061-T6 TO MEET CSA 157.
16. STEEL TO MEET CSA G40.21M 300W.



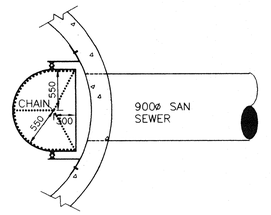
SECTION A-A

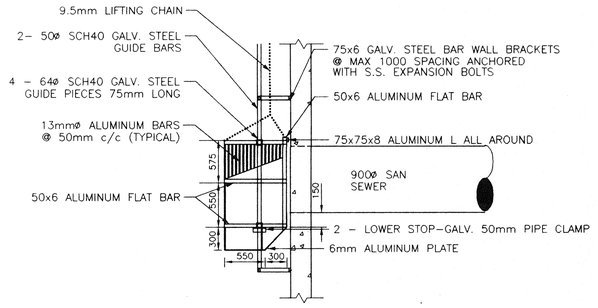


TOP PLAN



PUMP ACCESS HATCH DETAIL
SECTION D-D
NTS





BASKET SCREEN DETAIL
NTS

NO.	REVISIONS	DATE	INITIAL

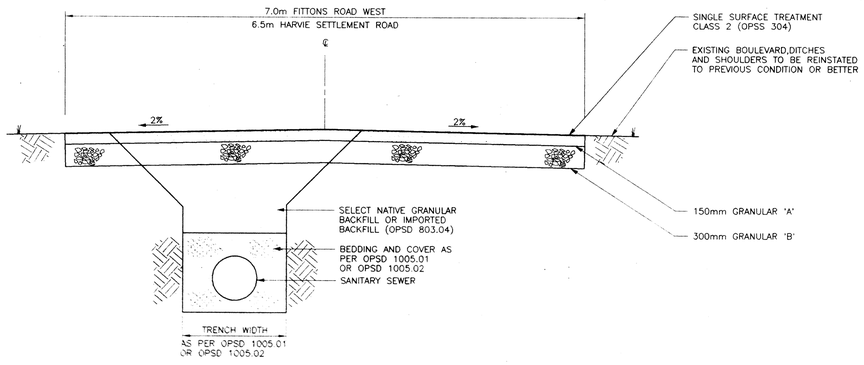
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PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS

TEMPORARY SEWAGE PUMPING STATION

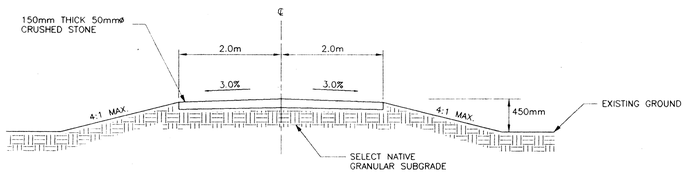
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DESIGN: TC	CHECKED: RJM	DWG.	PS-1
DRAWN: SMM	DATE: AUG. 1994		



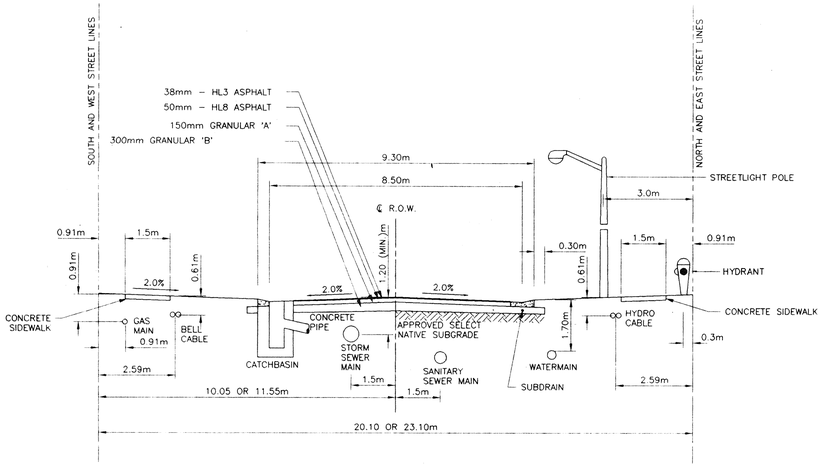
TYPICAL ROADWAY RESTORATION
FITTONS ROAD WEST AND HARVIE SETTLEMENT ROAD

N.T.S.



TYPICAL TEMPORARY ACCESS ROAD CROSS SECTION

N.T.S.



TYPICAL RESIDENTIAL ROAD CROSS SECTION

N.T.S.

TABLE 2

CONTROL CO-ORDINATES

CONTROL POINT	NORTHINGS	EASTINGS
SIB #1	4940555.754	622143.282
SIB #155	4939942.385	622630.560
SIB #188	4940021.124	622669.968
SIB #354	4940635.670	622371.251
SIB #413	4940579.408	622448.366
SIB #414	4940640.592	622292.892
SIB #428	4940562.326	622526.233
SIB #455	4940408.626	622647.210
SIB #462	4940452.781	622631.006
SIB #543	4940259.856	622700.491
SIB #591	4940573.723	622575.329
SIB #592	4940564.938	622590.697
SIB #1000	4939560.760	622756.232
SIB #2000	4940118.408	623205.241
SIB #3000	4939545.380	622769.649
SIB #4000	4939620.121	622892.168
SAN MH	NORTHINGS	EASTINGS
1	4940565.502	622139.772
1A	4940562.442	622113.812
2	4940613.726	622221.622
3	4940658.987	622301.966
4	4940663.048	622335.114
5	4940652.757	622368.943
6	4940583.966	622464.768
7	4940572.950	622504.044
8	4940592.334	622598.400
9	4940550.610	622613.382
10	4940437.635	622653.960
11	4940324.737	622694.510
12	4940209.960	622729.580
13	4940107.616	622725.345
14	4940013.055	622681.823
15	4939916.948	622640.053
16	4939828.668	622629.345
17	4939735.875	622645.503
18	4939639.068	622696.182
19	4939547.913	622754.317
20	4940078.680	622841.847
SPS	4940055.723	622934.277
FORCEMAIN ELBOWS	NORTHINGS	EASTINGS
1	4940054.938	622937.436
2	4940120.183	623099.341
3	4940131.750	623236.535

NOTES

1. GENERAL – CONSTRUCTION

A) ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH CITY OF ORILLIA STANDARDS AND O.P.S.S. WHERE CONFLICT OCCURS CITY STANDARDS TO GOVERN.
B) TRENCH BACKFILL TO BE SELECT NATIVE GRANULAR MATERIAL OR IMPORTED MATERIAL TO OPSD-803.04 AS DIRECTED BY ENGINEER.
C) PIPE BEDDING AND COVER TO BE IMPORTED GRANULAR 'A'.
D) DE-WATERING TO BE CARRIED OUT IN ACCORDANCE WITH OPSS-517 AND 518 TO MAINTAIN ALL TRENCHES IN A DRY CONDITION.
E) ALL ENGINE DRIVEN PUMPS TO BE ADEQUATELY SILENCED, SUITABLE FOR OPERATION IN A RESIDENTIAL DISTRICT.
F) DISTURBED AREAS TO BE REINSTATED TO PREVIOUS CONDITION OR BETTER.
G) JOINTS WITH EXISTING ASPHALT AND SURFACE TREATMENT TO BE SAW CUT PRIOR TO PLACING NEW ASPHALT OR SURFACE TREATMENT.

2. ROADWAY

A) GRANULAR 'A' BASE TO BE COMPACTED TO 100% OF MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
B) GRANULAR 'B' SUBBASE TO BE COMPACTED TO 100% OF MATERIAL'S SPMDD.
C) SUBGRADE TO BE COMPACTED TO A MINIMUM DRY DENSITY OF 98% OF MATERIAL'S SPMDD.
D) BOULEVARD COMPACTION TO 95% OF MATERIAL'S SPMDD.

3. SANITARY SEWER

A) 1200mm ø M.H.'S TO OPSD-701.03.
B) 1500mm ø M.H.'S TO OPSD-701.04.
C) 1800mm ø M.H.'S TO OPSD-701.05.
D) 2400mm ø M.H.'S TO OPSD-701.06.
E) BENCHING TO OPSD-1004.01.
F) STEPS TO OPSD-405.01.
G) BEDDING TO OPSD 1005.01 OR OPSD-1005.02
H) BACKFILLING AND BEDDING MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMDD.
I) ALL MANHOLES UNLESS OTHERWISE NOTED ARE 1200mm DIAMETER.
J) IN WET AREAS PVC PIPE BEDDING TO BE 10mmø CLEAR STONE WRAPPED IN FILTER FABRIC, CONCRETE PIPE BEDDING TO BE 20mmø CLEAR STONE WRAPPED IN FILTER FABRIC.
K) ALL MANHOLE GRATES IN OPEN FIELD TO BE 0.6m ABOVE GRADE.

4. FORCEMAIN

A) THRUST BLOCKS AS PER OPSD 1103.01 & OPSD 1103.02.
B) BEDDING TO OPSD 1102.02.
C) BACKFILL TO OPSD 803.04.
D) BACKFILLING AND BEDDING MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMDD.
E) IN WET AREAS PVC PIPE BEDDING TO BE 10mmø CLEAR STONE WRAPPED IN FILTER FABRIC.

5. MATERIALS

A) SANITARY SEWER – SDR35 PVC OR REINFORCED CONCRETE AS PER TABLE 1.
B) FORCEMAIN – DR18 PVC.
C) FILTER FABRIC – TERRAFIX 270R.
D) MATERIALS LIST TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO ORDERING.

TABLE 1

MINIMUM CLASS OF REINFORCED CONCRETE PIPES

FROM	TO	DIAMETER (mm)	CLASS
1A	1	200	100-D
1	2	200	140-D
2	3	200	140-D
3	4	200	100-D
4	5	200	100-D
5	6	200	100-D
6	7	200	100-D
7	8	200	100-D
8	9	200	100-D
9	10	250	100-D
10	11	450	65-D
11	12	450	100-D
12	13	450	100-D
13	14	750	100-D
14	15	750	65-D
14	15	750	65-D
15	16	750	65-D
16	17	750	65-D
17	18	750	65-D
18	19	600	65-D
13	20	900	100-D
20	SPS	900	100-D

NO.	REVISIONS	DATE	INITIAL
1	REVISED TABLE 2 CONTROL CO-ORDINATES	SEPT 13/94	WGVR

APPROVED

LICENSED PROFESSIONAL ENGINEER
WGVR
W.G. VAN RYN
Sept 13/94
PROVINCE OF ONTARIO

CITY OF ORILLIA
ORILLIA WEST TRUNK SEWERS

NOTES AND DETAILS

C.C. TATHAM & ASSOCIATES LTD.
Consulting Engineers
115 Hurontario St.
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Collingwood, Ontario
L9Y 2L9
(705) 444-2565

SCALE: NTS | JOB NO. 94016
DESIGN: TC | CHECKED: RJM
DRAWN: SMM | DATE: JULY 1994
DWG. D-1