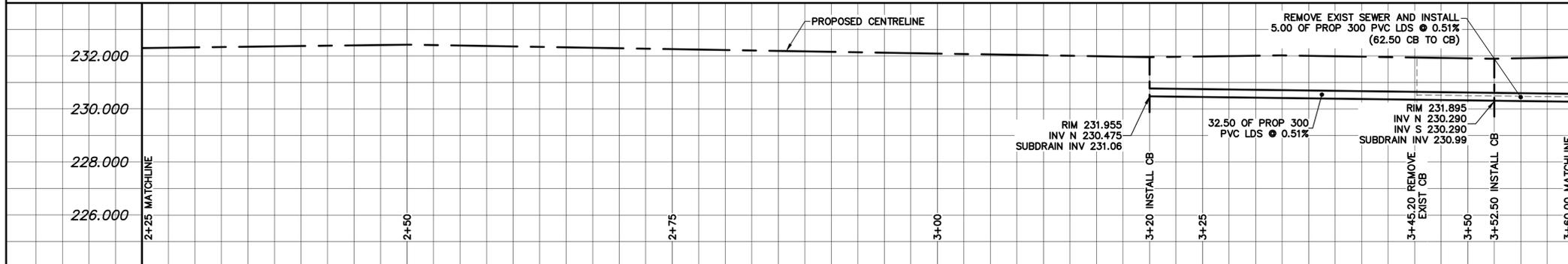


LANE PAVEMENT PROFILE
SCALE: 1:250 HOR
1:10 VER

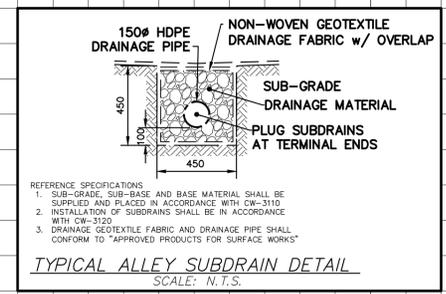
- NOTES:**
1. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATION.
 2. CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.
 3. CONTRACTOR TO AVOID DAMAGE TO EXISTING TREES WITHIN THE LIMITS OF THE ALLEY RIGHT OF WAY AS OUTLINED IN THE BID OPPORTUNITY.
 4. HYDRO POLES AND ANCHORS REQUIRING TEMPORARY SUPPORT TO BE DONE AT THE EXPENSE OF THE CONTRACTOR AS REQUIRED.
 5. WHERE UNSTABLE SUB-GRADES ARE ENCOUNTERED, ADDITIONAL EXCAVATION/SUB-BASE AND INSTALLATION OF GEGRID TO BE DETERMINED BY THE CONTRACT ADMINISTRATOR AND CONSTRUCTED IN ACCORDANCE W/ CW-3110.
 6. PROPOSED ELEVATIONS GIVEN ARE FOR EDGE OF PAVEMENT.
 7. ISOLATE EXISTING HYDRO POLES AS PER SD-228C.
 8. RENEW CURB AND SIDEWALK AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
 9. MODIFIED BARRIER CURBS TO BE CONSTRUCTED AT ALL BACK LANE RADII.
 10. ALL EXISTING PRIVATE APPROACHES TO BE RENEWED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
 11. ADJUSTMENTS TO PROPOSED CROSSFALL, WHERE REQUIRED, ARE TO BE DETERMINED BY THE CONTRACT ADMINISTRATOR TO SUIT EXISTING DRIVEWAYS, APPROACHES, ETC.
 12. ALL BOULEVARD RESTORATION TO BE SMOODED UNLESS OTHERWISE NOTED.
 13. INSTALLATION OF LIP CURBS AND THEIR LIMITS THROUGH PRIVATE APPROACHES TO BE DETERMINED BY THE CONTRACT ADMINISTRATOR.
 14. REMOVE, ADJUST, AND SUPPLY PRECAST SIDEWALK BLOCKS AS DIRECTED BY THE CONTRACT ADMINISTRATOR.



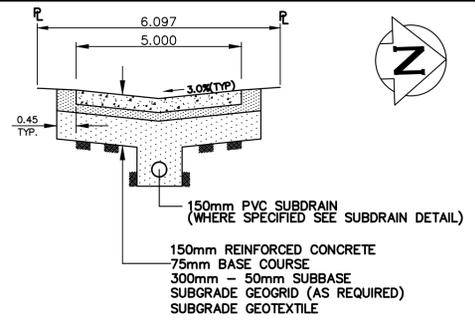
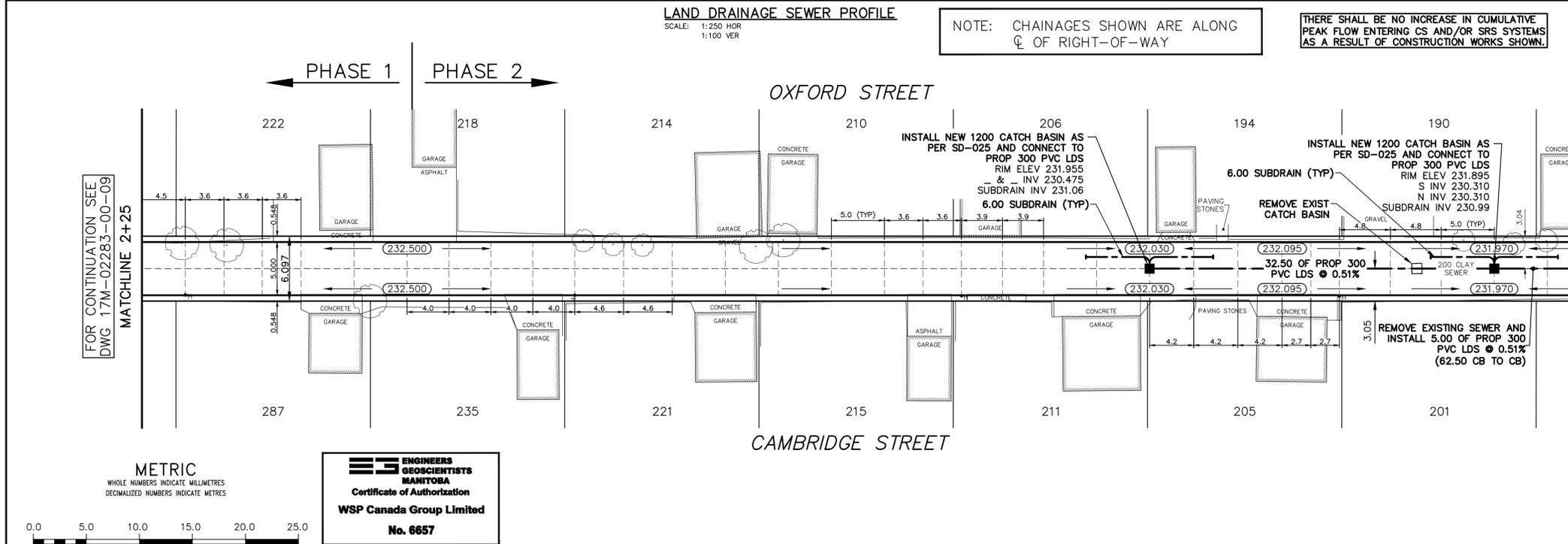
LAND DRAINAGE SEWER PROFILE
SCALE: 1:250 HOR
1:100 VER

NOTE: CHAINAGES SHOWN ARE ALONG ϕ OF RIGHT-OF-WAY

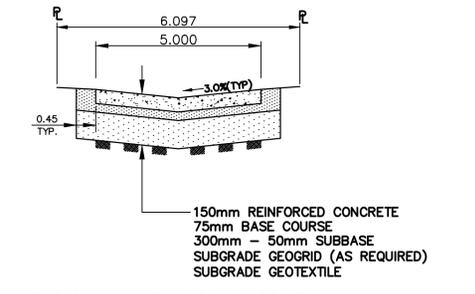
THERE SHALL BE NO INCREASE IN CUMULATIVE PEAK FLOW ENTERING CS AND/OR SRS SYSTEMS AS A RESULT OF CONSTRUCTION WORKS SHOWN.



REFERENCE SPECIFICATIONS:
1. SUB-GRADE SUB-BASE AND BASE MATERIAL SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH CW-3110
2. INSTALLATION OF SUBDRAINS SHALL BE IN ACCORDANCE WITH CW-3120
3. DRAINAGE GEOTEXTILE FABRIC AND DRAINAGE PIPE SHALL CONFORM TO "APPROVED PRODUCTS FOR SURFACE WORKS"
TYPICAL ALLEY SUBDRAIN DETAIL
SCALE: N.T.S.



TYPICAL ALLEY CROSS SECTION WITH SUBDRAIN
SCALE: N.T.S.



TYPICAL ALLEY CROSS SECTION
SCALE: N.T.S.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

0.0	5.0	10.0	15.0	20.0	25.0
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**ENGINEERS
GEOSCIENTISTS
MANITOBA**
Certificate of Authorization
WSP Canada Group Limited
No. 6657

WATERMAIN	---	GAS	---
HYDRANT	---●---	M.T.S.	---
VALVE	---○---	TRAFFIC SIGNALS	---
CURB STOP	---●---	CONCRETE/ASPHALT	---
LAND DRAINAGE SEWER	---	SIDEWALK	---
WASTE WATER SEWER	---	CURB RAMP	---
CB LEAD	---	ELEVATIONS	(232.000)
MANHOLE	---○---	PROPERTY LINE	---
CATCH BASIN	---□---	SURVEY BAR	---
CURB INLET	---▽---	HYDRO POLE	---
HYDRO	---	HYDRO POLE w/ LIGHT	---
EXISTING	---	LEGEND - PLAN	---
PROPOSED	---	PROPOSED	---

LOCATION APPROVED UNDERGROUND STRUCTURES

150 MM	---
300 LDS	---
250 WWS	---

WATERMAIN VALVE
LAND DRAINAGE SEWER WASTE WATER SEWER CENTERLINE
SOUTH & EAST GUTTER NORTH & WEST GUTTER
S & E GARAGE PAD N & W GARAGE PAD JOINTS

REVISIONS

NO	REVISIONS	DATE	BY
1	ISSUED FOR TENDER	18/03/2018	R.H.
2	DETAILED DESIGN REVIEW	18/03/2018	K.G.
3	PRELIMINARY DESIGN REVIEW	18/01/18	K.G.

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DESIGNED BY: K.G.
CHECKED BY: R.H.
DRAWN BY: K.G.
APPROVED BY: S.M.

HOR. SCALE: 1:250
VERT. SCALE: 1:25

RELEASED FOR CONSTRUCTION

DATE: JANUARY 2018

NOT FOR CONSTRUCTION

CONSULTANT DRAWING NO.
17M-02283-00-10

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
FINANCE NO.

2018 ALLEY RENEWALS
OXFORD STREET / CAMBRIDGE STREET
FROM STA 2+25 TO STA 3+60

CITY DRAWING NO.
SHEET 2 OF 3
BID OPPORTUNITY
27-2018