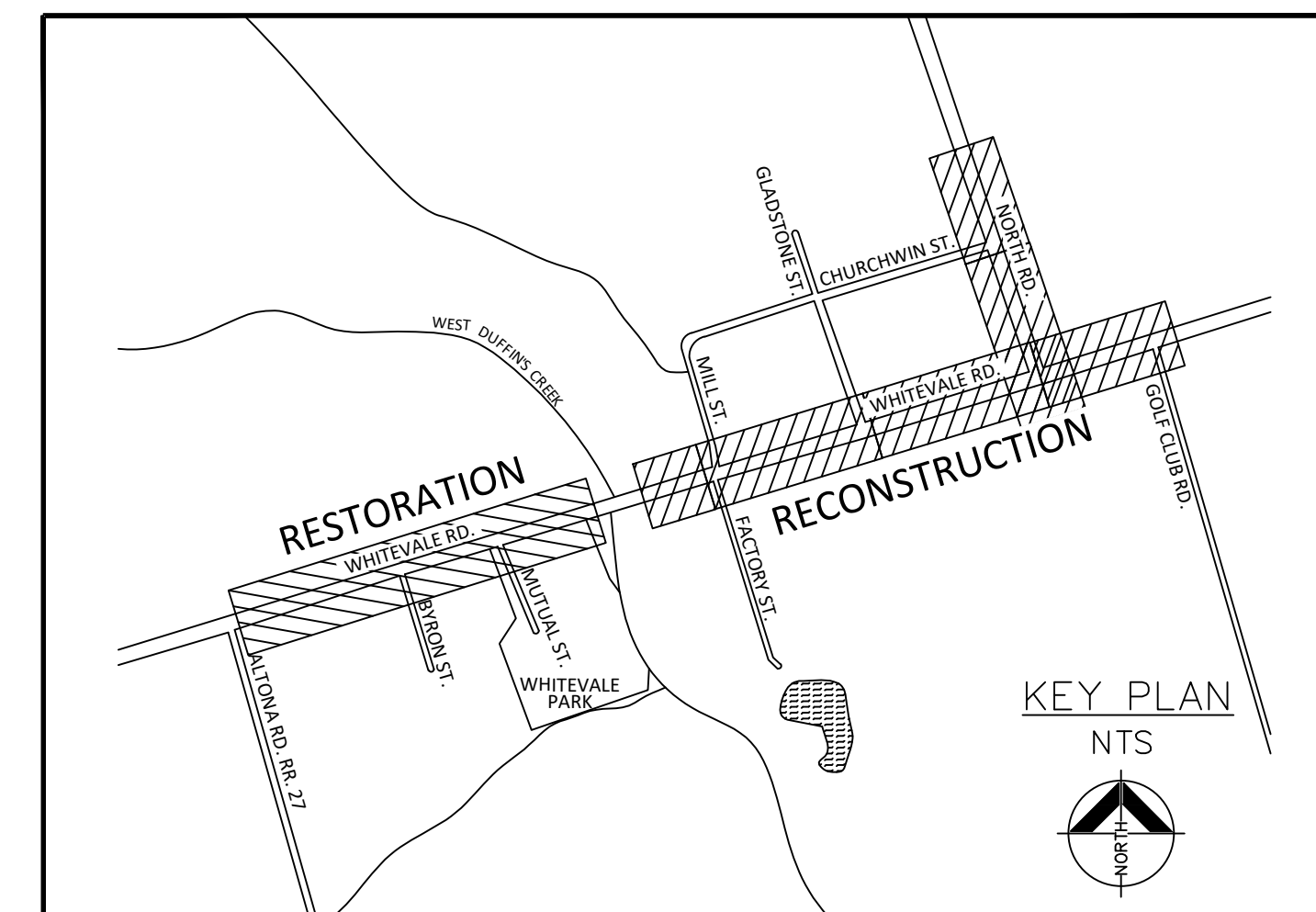


CITY OF PICKERING

ENGINEERING SERVICES



LOCATION MAP

WHITEVALE MASTER DRAINAGE PLAN IMPLEMENTATION

ROAD RECONSTRUCTION, STORM SEWER AND SIDEWALK INSTALLATION

WHITEVALE ROAD FROM 1+392.48 TO 1+880.00

NORTH ROAD FROM 8+000.00 TO 8+193.00

ROAD RESTORATION WHITEVALE ROAD FROM 1+035.76 TO 1+330.00

TENDER No. Q2026-25

DRAWING No	DESCRIPTION	PAGE
GN-001	GENERAL NOTES AND LEGEND	1 OF 48
C-001	WHITEVALE ROAD - EXISTING CONDITIONS & REMOVALS	2 OF 48
C-002	WHITEVALE ROAD - EXISTING CONDITIONS & REMOVALS	3 OF 48
C-003	NORTH ROAD - EXISTING CONDITIONS & REMOVALS	4 OF 48
C-004	WHITEVALE ROAD - PLAN - PROFILE.	5 OF 48
C-005	WHITEVALE ROAD - PLAN - PROFILE	6 OF 48
C-006	WHITEVALE ROAD - PLAN - PROFILE	7 OF 48
C-007	WHITEVALE ROAD - PLAN - PROFILE	8 OF 48
C-008	NORTH ROAD -PLAN - PROFILE	9 OF 48
C-009	NORTH ROAD - PLAN - PROFILE	10 OF 48
TS-01	TYPICAL SECTION - WHITEVALE ROAD	11 OF 48
TS-02	TYPICAL SECTION - NORTH ROAD	12 OF 48
PM-001	PAVEMENT MARKING AND SIGNAGE WHITEVALE ROAD	13 OF 48
PM-002	PAVEMENT MARKING AND SIGNAGE WHITEVALE ROAD	14 OF 48
PM-003	PAVEMENT MARKING AND SIGNAGE NORTH ROAD	15 OF 48
XS-001	WHITEVALE ROAD CROSS SECTIONS	16 OF 48
XS-002	WHITEVALE ROAD CROSS SECTIONS	17 OF 48
XS-003	WHITEVALE ROAD CROSS SECTIONS	18 OF 48
XS-004	WHITEVALE ROAD CROSS SECTIONS	19 OF 48
XS-005	WHITEVALE ROAD CROSS SECTIONS	20 OF 48
XS-006	NORTH ROAD CROSS SECTIONS	21 OF 48
XS-007	NORTH ROAD CROSS SECTIONS	22 OF 48
XS-008	NORTH ROAD CROSS SECTIONS	23 OF 48
ERS-01	EROSION AND SEDIMENT CONTROL	24 OF 48
ERS-02	EROSION AND SEDIMENT CONTROL	25 OF 48
ERS-03	EROSION AND SEDIMENT CONTROL	26 OF 48
ERS-04	EROSION AND SEDIMENT CONTROL	27 OF 48

DRAWING No	DESCRIPTION	PAGE
STD-01	STANDARD DRAWINGS	28 OF 48
STD-02	STANDARD DRAWINGS	29 OF 48
STD-03	STANDARD DRAWINGS	30 OF 48
E-001	TEMPORARY STREET LIGHTING LAYOUT 1 & REMOVALS	31 OF 48
E-002	TEMPORARY STREET LIGHTING LAYOUT 2 & REMOVALS	32 OF 48
E-003	STREET LIGHTING LAYOUT 1	33 OF 48
E-004	STREET LIGHTING LAYOUT 2	34 OF 48
E-005	STREET LIGHTING WIRING DIAGRAM	35 OF 48
E-006	STREET LIGHTING WIRING DETAILS 1	36 OF 48
E-007	STREET LIGHTING WIRING DETAILS 2	37 OF 48

WHITEVALE WEST OF WEST DUFFIN'S CREEK - RESTORATION DRAWINGS		
C-001W	WHITEVALE ROAD - EXISTING CONDITIONS & REMOVALS	38 OF 48
C-002W	WHITEVALE ROAD - PLAN - PROFILE.	39 OF 48
C-003W	WHITEVALE ROAD - PLAN - PROFILE.	40 OF 48
C-004W	WHITEVALE ROAD - PLAN - PROFILE.	41 OF 48
PM-001W	PAVEMENT MARKING AND SIGNAGE WHITEVALE ROAD	42 OF 48
XS-001W	WHITEVALE ROAD CROSS SECTIONS	43 OF 48
XS-002W	WHITEVALE ROAD CROSS SECTIONS	44 OF 48
XS-003W	WHITEVALE ROAD CROSS SECTIONS	45 OF 48
XS-004W	WHITEVALE ROAD CROSS SECTIONS	46 OF 48
XS-005W	WHITEVALE ROAD CROSS SECTIONS	47 OF 48
ERS-01W	EROSION AND SEDIMENT CONTROL	48 OF 48

GENERAL NOTES

- A. ALL MEASUREMENTS IN METERS, PIPE SIZES IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
- B. EQUIVALENT METRIC UNITS SHALL BE USED FOR ALL STANDARD DRAWINGS.
- C. EXISTING TOPOGRAPHIC SURVEY WAS PREPARED IN APRIL 27, 2018 BY IBW SURVEYORS
- D. ALL WORKS SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- E. ALL WORK AND MATERIALS TO CONFORM TO THE CURRENT PROVINCIAL BUILDING CODE, MINISTRY OF THE ENVIRONMENT OF ONTARIO AND CLIMATE CHANGE, CITY OF PICKERING, REGION OF DURHAM, ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. LOCAL UTILITY STANDARDS AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY.
- F. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IN LOCATION (VERTICAL OR HORIZONTAL) IS TO BE REPORTED TO THE SITEWORK ENGINEER OF RECORD 48 HOURS PRIOR TO CONSTRUCTION. LOST TIME AND/OR ANY ADDITIONAL WORK DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND ELEVATIONS AND NOTIFY THE SITEWORK ENGINEER OF RECORD ANY CONFLICTS 48 HOURS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S EXPENSE.
- G. THE CONTRACTOR SHALL INSTALL ALL SEDIMENT CONTROL DEVICES PRIOR TO THE COMMENCEMENT OF SITE GRADING WORK. SILT LADEN WATER MUST NOT BE PERMITTED TO ENTER INTO ANY EXISTING CATCH BASIN, INLETTING STRUCTURES, OR WATERCOURSES. ADDITIONAL CONTROLS AS DEEMED REQUIRED BY THE AUTHORITIES AND/OR THE SITEWORK ENGINEER OF RECORD DURING CONSTRUCTION ACTIVITIES SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR MUST INSPECT SEDIMENT CONTROLS ON A REGULAR BASIS, PRIOR TO AND AFTER EVERY RAINFALL EVENT. REPAIRS MUST BE COMPLETED IN A TIMELY MANNER TO PREVENT SEDIMENT FROM ENTERING ANY WATER SYSTEM. ADDITIONAL SILT FENCING MUST BE AVAILABLE IN CASE IMMEDIATE REPAIR IS REQUIRED.
- H. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO FACILITATE NEW CONSTRUCTION.

STORM SEWERS

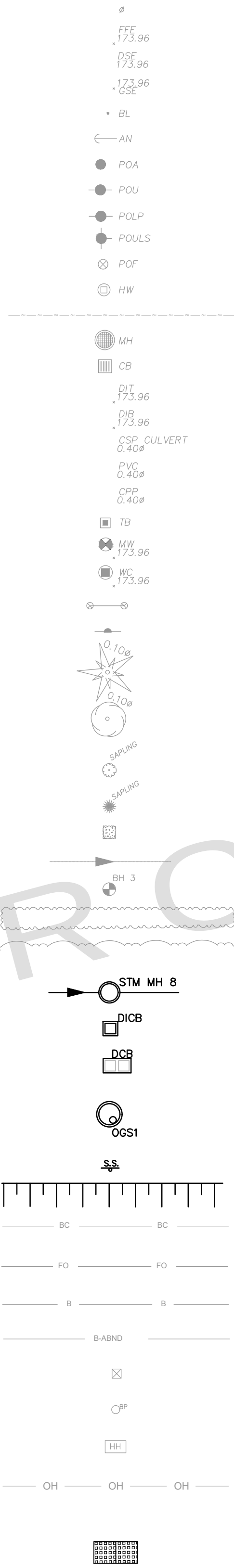
- PIPE
 - ALL CONCRETE SEWER PIPE UP TO AND INCLUDING 450 MM DIAMETER SHALL BE EQUAL TO CSA SPECIFICATIONS A257.1 (LATEST AMENDMENT) UNLESS OTHERWISE NOTED.
 - ALL CONCRETE SEWER PIPE 525 MM DIAMETER AND LARGER SHALL BE EQUAL TO CSA SPECIFICATIONS A257.2 (LATEST AMENDMENT) UNLESS OTHERWISE NOTED.
 - ALL POLYVINYL CHLORIDE PIPE (PVC) SHALL BE EQUAL TO CSA SPECIFICATIONS B182.1 AND B182.2 (LATEST AMENDMENT) UNLESS OTHERWISE NOTED.
 - FOR DIMENSIONS AND DETAILS NOT SHOWN, SEE THE DEVELOPMENT SERVICES DESIGN STANDARD DRAWINGS REFERRED TO ON THE PROFILE.
 - ALL STORM SEWER MAINS, HOUSE CONNECTIONS AND CATCH BASIN LEADS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' SPECIFICATIONS.
 - STORM SEWER PIPES LARGER THAN 450 MM ARE TO BE BENCHED THROUGHOUT TO THE CROWN OF PIPES ON A VERTICAL PROJECTION FROM SPRINGLINE.
 - STORM SEWER PIPES 450 MM AND SMALLER ARE TO BE BENCHED TO SPRINGLINE. NOTE: PREBENCHED MAINTENANCE HOLES WILL BE CONSIDERED ACCEPTABLE IF ARTICLES (F) AND (G) ARE ADHERED TO.
 - ALL RESTORATION, RECONSTRUCTION AND RELOCATION IS TO BE PERFORMED TO THE SATISFACTION OF THE DIRECTOR, ENGINEERING & PUBLIC WORKS.
- MANHOLES
 - AS PER CITY/OPSD STANDARD 701.010, 701.011, 701.012, 701.013, 701.014, 701.015, 401.010, P-120, ~121, 704.010, 405.010, 404.020, SOLID RECTANGULAR ALUMINUM STEPS TYPE 'A' AS PER OPSD 405.020. ALL MANHOLES SHALL BE BACKFILLED WITH COMPACTED SAND WITHIN 1.0m OF THE STRUCTURE.
- BENCHING
 - AS PER OPSD STANDARD 701.021 OR AS INDICATED ON DRAWING.
- BEDDING
 - AS PER CITY/OPSD STANDARD P-400, P401, AND ROD S100.010, OR AS INDICATED ON DRAWING.
- DROP STRUCTURES
 - AS PER CITY STANDARD P-110.
- CATCHBASINS
 - AS PER CITY/OPSD STANDARD DRAWINGS 705.010, 705.020, 705.030, 705.040 AND OPSD 400.010. CATCHBASIN LEAD SIZES SHALL BE 200 MM FOR SINGLE CATCHBASIN AND 250 MM FOR DOUBLE CATCHBASINS OR AS SHOWN ON THE DRAWINGS
- SUBDRAIN
 - 150 MM DIAMETER, SHALL CONNECT TO CATCHBASINS.
- INSPECTION
 - ALL MAINLINE STORM SEWERS ARE TO BE INSPECTED BY TELEVISION CAMERA PRIOR TO MAINTENANCE.
- RIP-RAP
 - AS PER OPSD 810.010.

ROADS

- A. EXISTING SIGNAGE TO BE REMOVED AND SALVAGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND REINSTALLED UPON COMPLETION OF CONSTRUCTION. REGULATORY SIGNS TO BE KEPT IN PLACE AT ALL TIMES DURING CONSTRUCTION.
- B. ALL DISTURBED AREAS BEYOND THE PAVED SURFACE TO BE RESTORED WITH 200 MM THICK TOPSOIL AND SOD. ALL SOD PLACED ON SLOPES GREATER THAN 3:1, OR ON DITCH INVERTS SHALL BE STAKED. SOD STAKES SHALL BE WOODEN PEGS 17 X 17 X 300 MM OR APPROVED 200 MM LONG STEEL STAPLES. OPSS.MUNI 803
- C. ALL MANHOLES AND CATCHBASINS WITHIN PAVEMENT LIMITS, TO BE BUILT OR ADJUSTED TO TOP OF FINISHED ASPHALT GRADE.
- D. WHERE SUBDRAIN IS USED, PLACE 2 M OF 150 MM NON-PERFORATED CSP UPSTREAM OF EACH CB.
- E. TRIM TREES TO ALLOW FOR 5 M VERTICAL CLEARANCE AND 1.0 M HORIZONTAL CLEARANCE FROM THE PROPOSED ROADWAY OR AS DIRECTED BY THE ENGINEER. ANY TREE ROOTS ENCOUNTERED DURING EXCAVATION TO BE CLEAN CUT AND COVERED AS SPECIFIED IN THE CONTRACT.

- ROAD DESIGN
 - AS PER CITY OF PICKERING STANDARD DRAWINGS P-706, P-720,
- SIDEWALKS
 - AS PER CITY STANDARD DRAWINGS P-610, P-611, P-612. A TACTILE WALKING SURFACE INDICATORS (TWSI) TO BE PROVIDED AT ALL PEDESTRIAN CROSSINGS AS PER OPSD 310.039.
- DRIVEWAYS
 - DRIVEWAYS ARE TO BE CONSTRUCTED AS PER P-605, P-606 AND P-607.
- CONCRETE CURB AND GUTTER TO BE AS PER OPSD 600.020, 608.010, 605.030.

LEGEND



- DENOTES ROUND
- DENOTES FIRST/FINISHED FLOOR ELEVATION
- DENOTES DOOR SILL ELEVATION
- DENOTES GARAGE SILL ELEVATION
- DENOTES BOLLARD
- DENOTES ANCHOR POINT
- DENOTES ANCHOR POLE
- DENOTES UTILITY POLE
- DENOTES LIGHT POST
- DENOTES UTILITY/LIGHT STANDARD POLE
- DENOTES FLAG POLE
- DENOTES HAND WELL
- DENOTES OVERHEAD UTILITY WIRES
- DENOTES MAINTENANCE HOLE
- DENOTES CATCH BASIN
- DENOTES DITCH INLET ELEVATION AT TOP
- DENOTES DITCH INLET ELEVATION AT BOTTOM
- DENOTES CORRUGATED STEEL PIPE
- DENOTES PVC PIPE
- DENOTES CORRUGATED PLASTIC PIPE
- DENOTES TERMINAL BOX
- DENOTES MONITORING WELL ELEVATION AT GROUND
- DENOTES WELL CAP ELEVATION AT TOP CENTRE
- DENOTES POST SIGN
- DENOTES EXISTING SIGN

DENOTES CONIFEROUS TREE W/TRUNK DIAMETER

DENOTES DECIDUOUS TREE W/TRUNK DIAMETER

DENOTES DECIDUOUS SAPLING

DENOTES CONIFEROUS SAPLING

DENOTES SHRUB

EXISTING DITCH OR SWALE

BOREHOLE LOCATION

HEDGE

TREE LINE OR BUSH

PROPOSED STORM MANHOLE

PROPOSED DITCH INLET CATCHBASIN

PROPOSED DOUBLE DITCH INLET CATCHBASIN

PROPOSED OGS

STOP & STREET NAME SIGN

SLOPE IN PLAN

EXISTING BELL CONDUIT

EXISTING BELL FIBRE OPTIC

EXISTING BELL BURIED CABLE

BELL ABANDONED

EXISTING BELL PEDESTAL

EXISTING BELL POLE

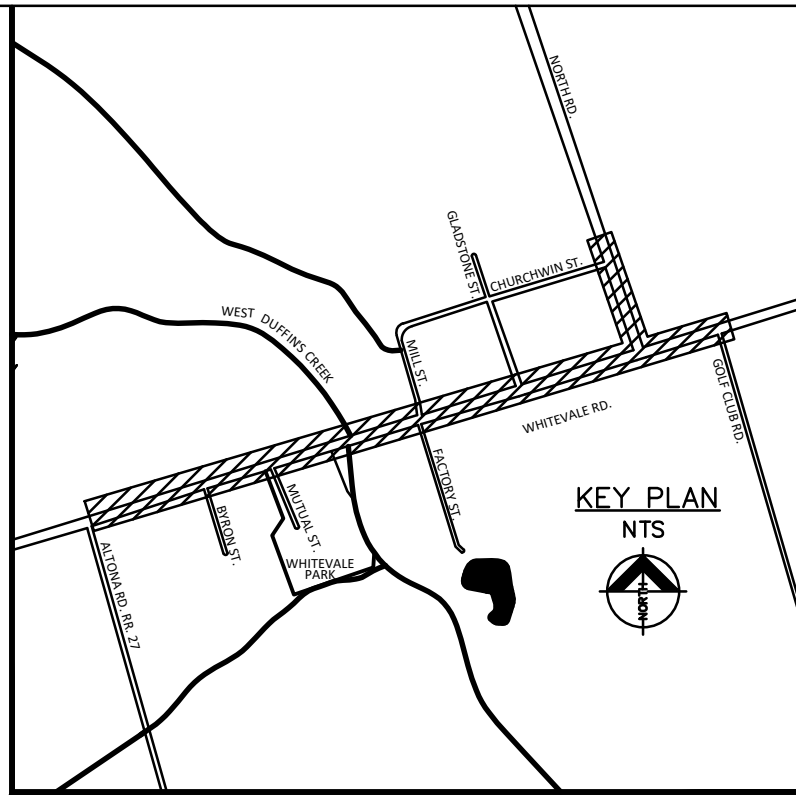
EXISTING BELL HANDHOLE

EXISTING HYDRO

PROPOSED TACTILE WALKING SURFACE INDICATOR (T.W.S.I.)

- TRENCH DRAIN ZURN Z874-12 OR EQUIVALENT APPROVED
- TREE PROTECTION
- TREE REMOVAL
- ASPHALT DRIVEWAY REMOVAL
- GRAVEL DRIVEWAY REMOVAL
- INTERLOCK DRIVEWAY REMOVAL
- REMOVE EXISTING ASPHALT AND GRANULARS
- REMOVE EXISTING ASPHALT TO A DEPTH OF 150mm
- REMOVE EXISTING ASPHALT FROM ALTONA RD TO WEST DUFFINS CREEK
- CONCRETE REMOVAL
- PROPOSED PAVEMENT FULL DEPTH RECONSTRUCTION AND ASPHALT DRIVEWAYS
- PROPOSED PAVEMENT RESURFACING
HL3= 50mm (BY OTHERS)
HL8= 100mm
- PROPOSED PAVEMENT RESURFACING (WHITEVALE FROM ALTONA RD TO WEST DUFFINS CREEK
HL8= 60mm
- PROPOSED CONCRETE SIDEWALK
- GRAVEL DRIVEWAY
- TOPSOIL & SOD
- RIP-RAP
- TRCA REGULATION (2025)
- TRCA FLOODING

THE CONTRACTOR SHALL MAINTAIN SAFE AND CONTINUOUS VEHICULAR, PEDESTRIAN AND EMERGENCY ACCESS THROUGHOUT ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC STAGING, TEMPORARY WORKS, STEEL PLATING, TRENCH CROSSINGS AND ACCESS MEASURES REQUIRED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.



LOCATION MAP

NOTES:

GENERAL

- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
- FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS)S(2011) UTM ZONE 17

AECOM
PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

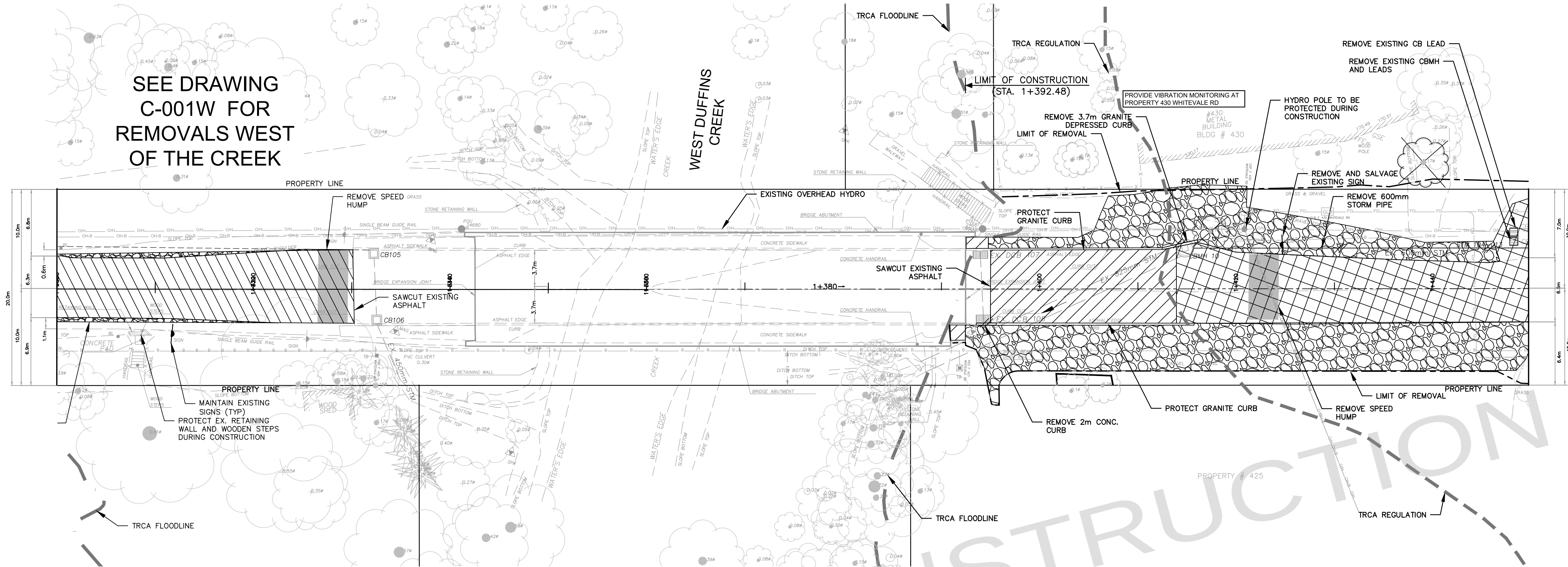
TITLE
GENERAL NOTES AND LEGEND

SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL, 2025
DESIGN BY: SR-AS & PM	DATE: JUL, 2025
PLAN SCALE: NTS	☒ PROFILE SCALE:
TENDER No. Q2026-25	
DRAWING No. GN-001	SHEET 1 of 48

ROAD MAKEUP

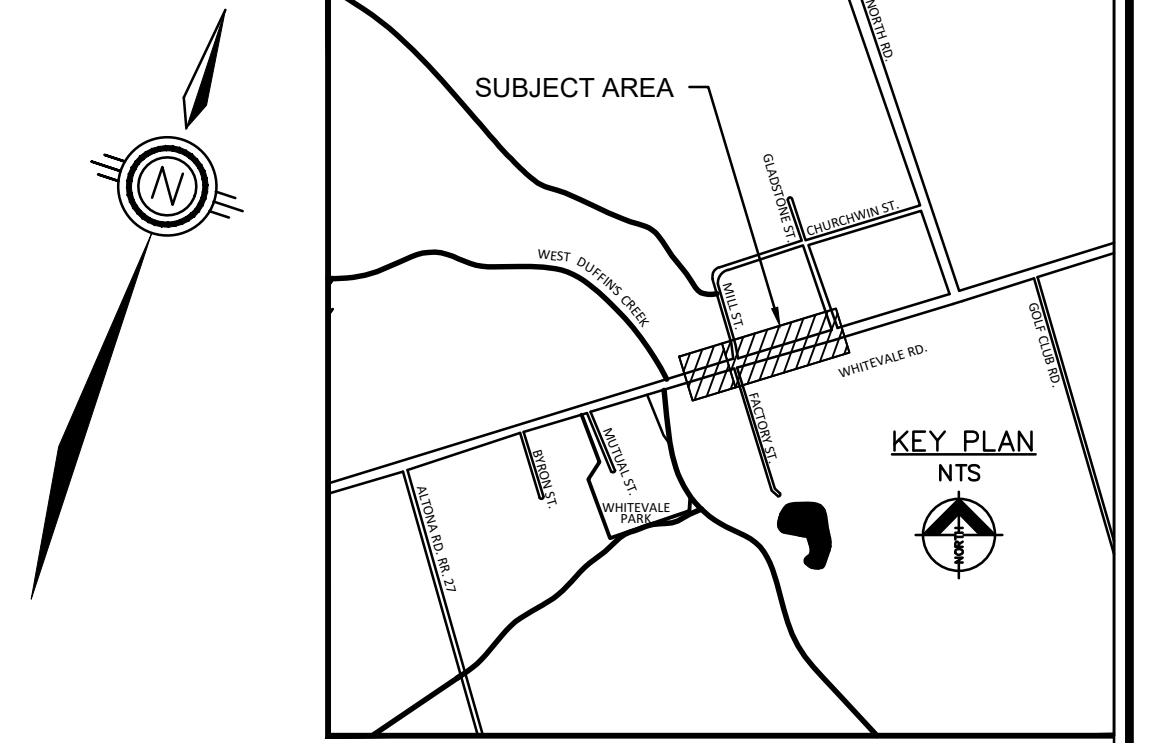
COURSE	MATERIAL	THICKNESS	THICKNESS	THICKNESS	THICKNESS	THICKNESS
ASPHALT SURFACE COURSE	HL3F				50mm	50mm
ASPHALT BASE COURSE	HL8	60mm	100mm (2 LIFTS)	100mm (2 LIFTS)	-	50mm
GRANULAR BASE	GRANULAR 'A'	AS REQUIRED	150mm	150mm	150mm	150mm
GRANULAR SUB-BASE	GRANULAR 'B' TYPE II		400mm	400mm	-	450mm
BIAXIAL GEOGRID, IF DEFLECTIONS ARE OBSERVED DURING PROOF ROLLING		X	X	X		

SEE DRAWING
C-001W FOR
REMOVALS WEST
OF THE CREEK



WHITEVALE ROAD

FOR TREE REMOVAL AND PROTECTION MEASURES
SEE "ARBORIST REPORT AND TREE PRESERVATION
PLAN" PREPARED BY AECOM DATED MAY 2026



- NOTES:**
- GENERAL**
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROTECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSITOR SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSITOR/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

LEGEND

	ASPHALT DRIVEWAY REMOVAL		ASPHALT REMOVAL
	GRAVEL DRIVEWAY REMOVAL		CONCRETE REMOVAL
	INTERLOCK DRIVEWAY REMOVAL		TREE PROTECTION REMOVAL
	ASPHALT AND GRANULARS REMOVAL		TREE REMOVAL

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2011) UTM ZONE 17

AECOM
PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

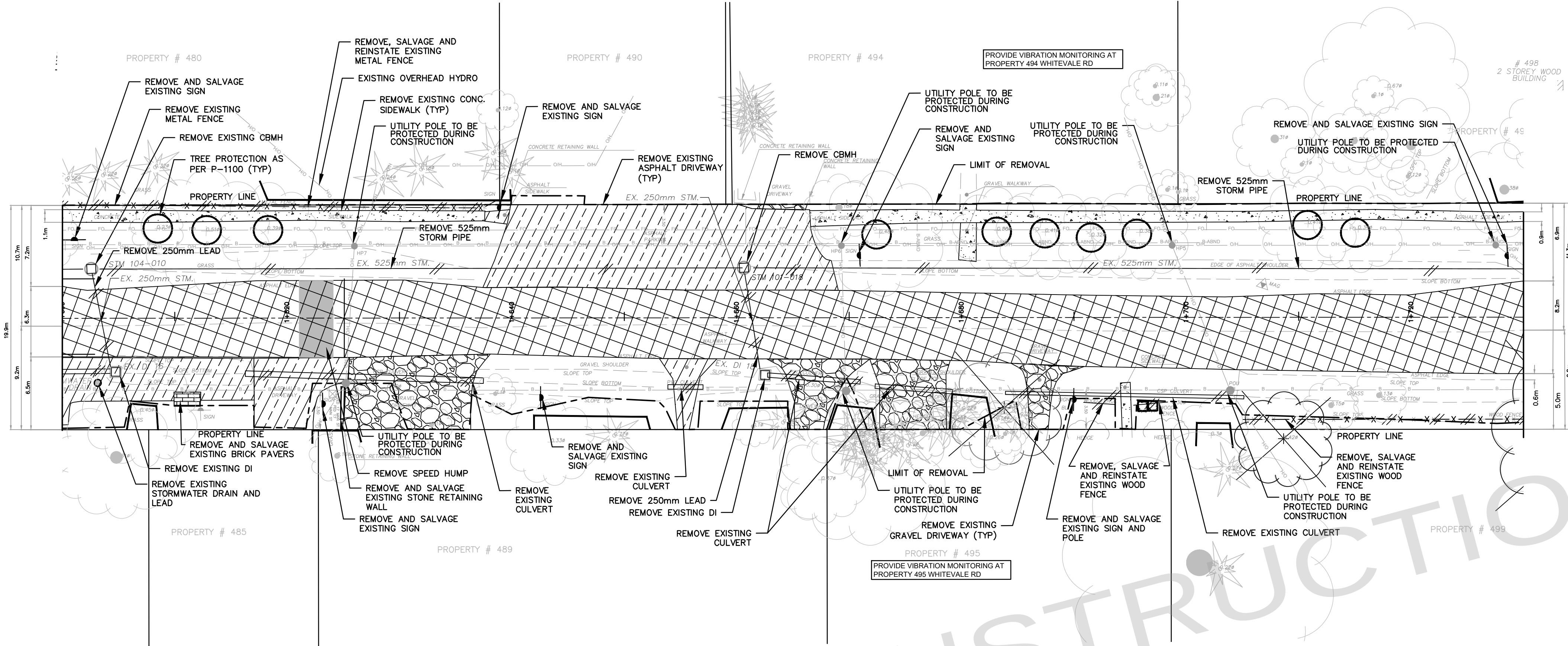
City of PICKERING

**WHITEVALE ROAD
EX. CONDITIONS & REMOVALS
STA. 1+300.00 TO STA. 1+600.00**

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	PROFILE SCALE:	

DRAWING No.	C-001	TENDER No.	Q2026-25
		SHEET 2 of 48	

SEE DRAWING No. C-001
1+600.00

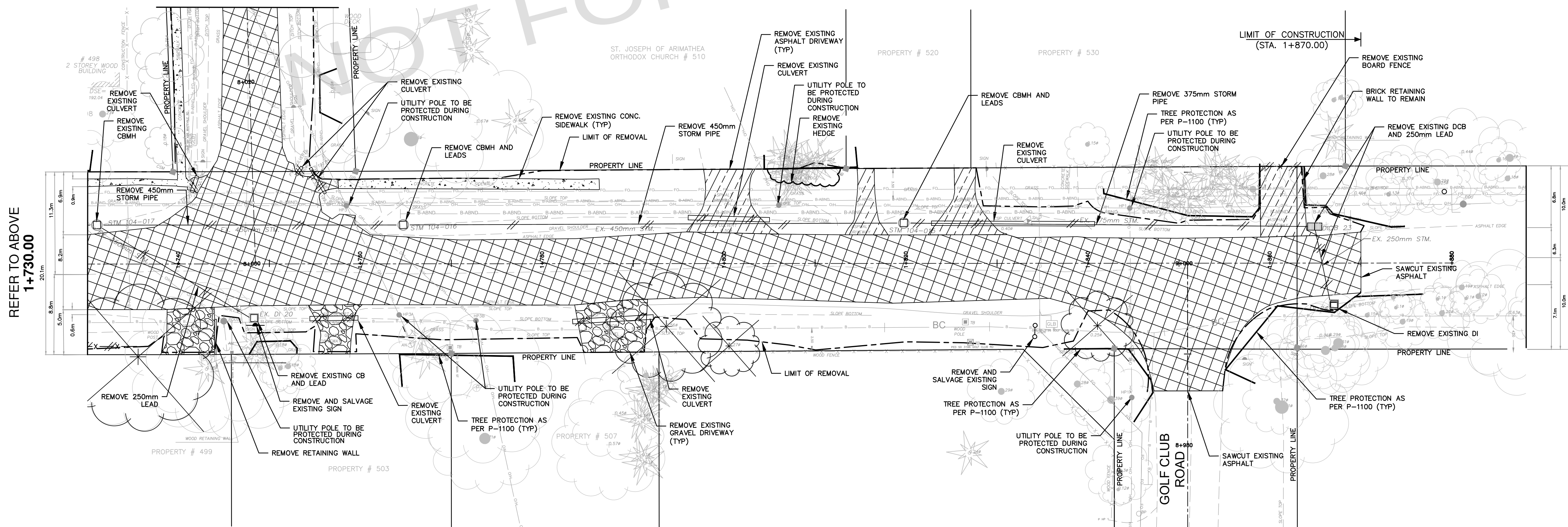


1+730.00
REFER TO BELOW

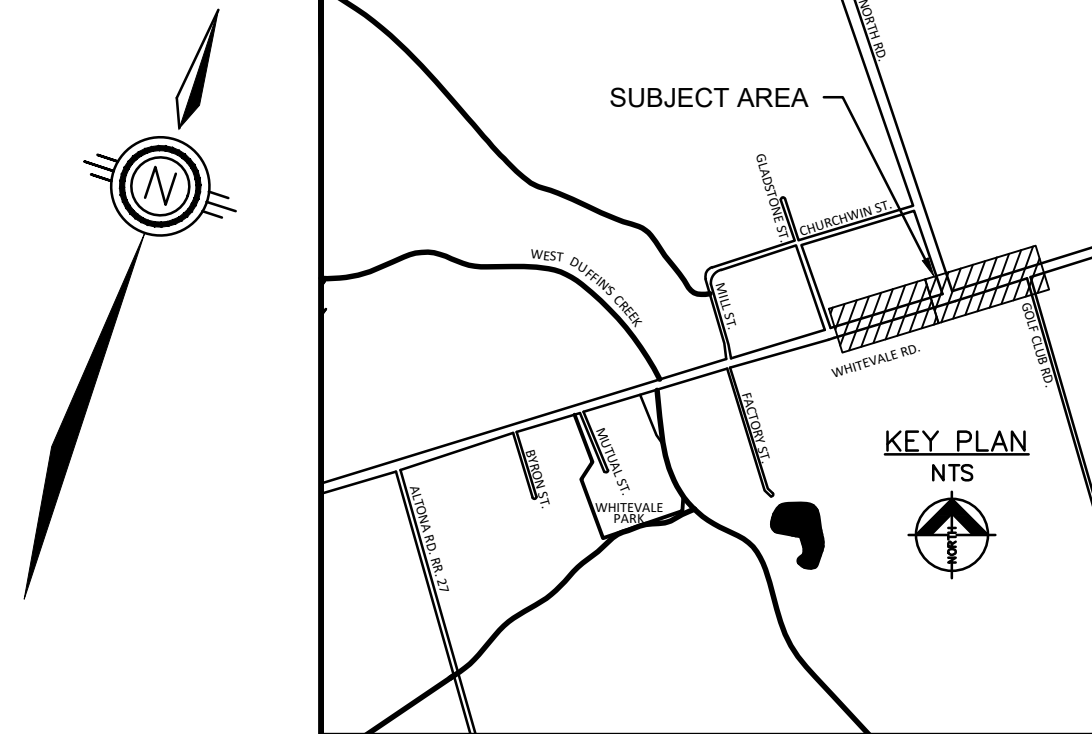
WHITEVALE ROAD

FOR TREE REMOVAL AND PROTECTION MEASURES
SEE "ARBORIST REPORT AND TREE PRESERVATION
PLAN" PREPARED BY AECOM DATED MAY 2026

SEE DRAWING No. C-003
NORTH ROAD



REFER TO ABOVE
1+730.00



LOCATION MAP

NOTES:

GENERAL

- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROTECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
- FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOONENT SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOONENT/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

LEGEND

	ASPHALT DRIVEWAY REMOVAL		CONCRETE REMOVAL
	GRAVEL DRIVEWAY REMOVAL		TREE PROTECTION
	INTERLOCK DRIVEWAY REMOVAL		
	ASPHALT AND GRANULARS REMOVAL		
	TREE REMOVAL		

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

City of PICKERING

TITLE
**WHITEVALE ROAD
EX. CONDITIONS & REMOVALS
STA. 1+600 TO STA. 1+880.00**

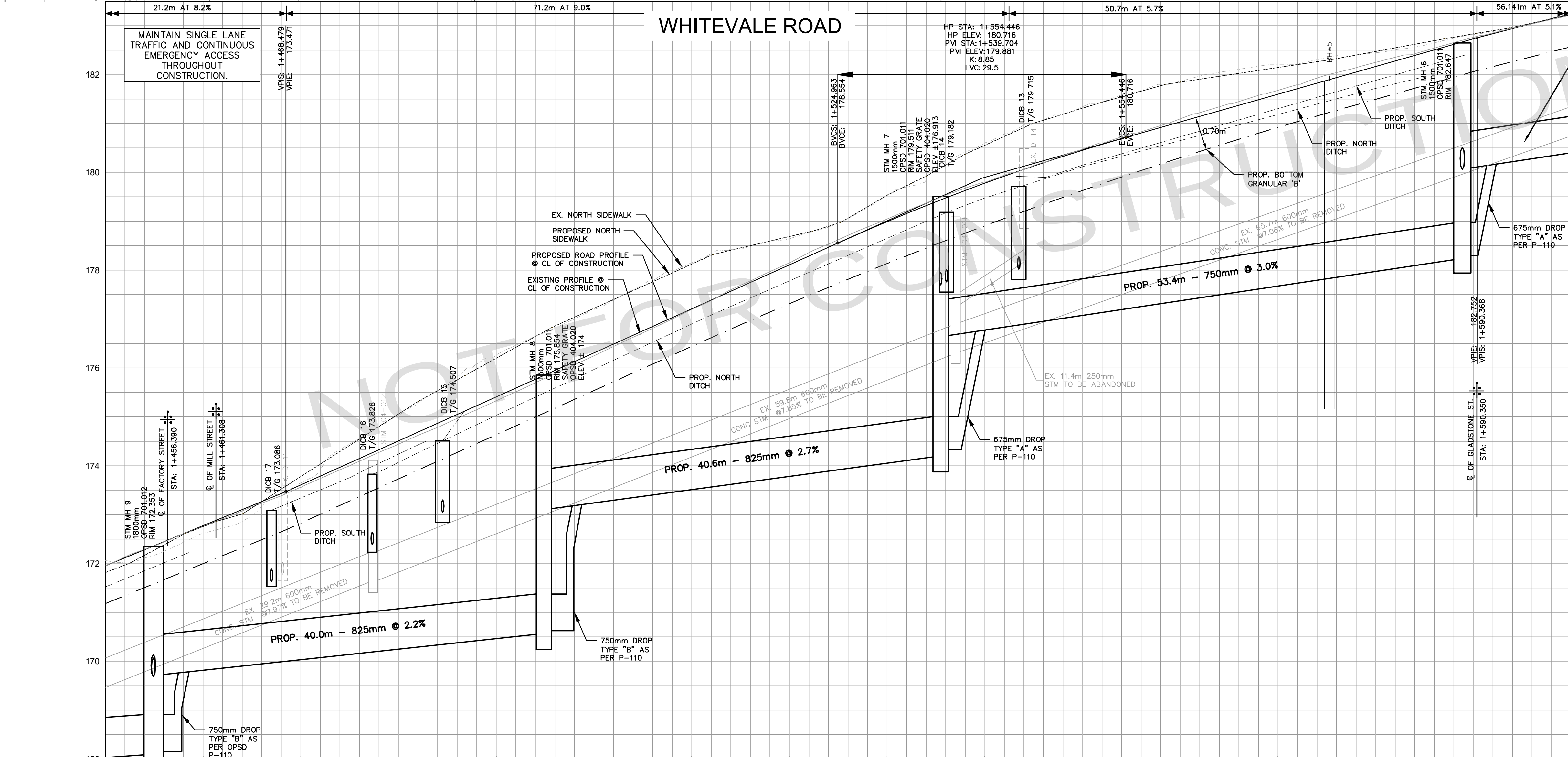
SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	PROFILE SCALE:	

DRAWING No.	C-002	TENDER No.	Q2026-25

SHEET 3 of 48

DICB 25-26-27 AND 28 TO BE LOCATED DURING CONSTRUCTION. CONTRACTOR TO GRADE EXISTING NORTH DITCHES TO THE NEW DICBS

SEE DRAWING No. C-004
1+450.00



SEE DRAWING No. C-006
1+600.00

NOTES:

GENERAL

- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
- FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

CATCH BASIN DATA TABLE						C.B. CONNECTION DATA			
OPSD	TYPE	STR. No.	CHAINAGE	GRATE	INVERT ELEVATIONS	LEN.	DIA	CLASS	SLOPE
705.030.403.010	A	DICB 17	1+467.01	173.09	3.1	N 171.64	5.6	250	PVC 1.9%
705.030.403.010	A	DICB 16	1+477.31	173.83	3.1	S 172.39	2.9	250	PVC 2.0%
705.030.403.010	A	DICB 15	1+484.52	174.51	3.1	N 173.05	5.8	250	PVC 2.0%
705.030.403.010	A	DICB 14	1+536.08	179.18	3.1	S 177.76	3.5	250	PVC 1.7%
705.030.403.010	A	DICB 13	1+543.48	179.72	3.1	N 178.02	5.6	250	PVC 1.9%
705.040.403.010	B	DICB 28	1+584.22	182.80	3.1	SW 181.30	5.7	300	PVC 2.0%
705.040.403.010	B	DICB 27	1+585.42	182.50	3.1	E 181.00	4.5	300	PVC 2.0%
705.030.403.010	A	DICB 26	1+464.93	171.48	3.1	S 171.16	7.9	250	PVC 2.0%
705.030.403.010	A	DICB 25	1+457.62	172.52	3.1	E 170.61	2.9	250	PVC 2.0%

* Grate elevations and Inverts to be determined/confirmed during construction

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/CONDITION	NATIVE / NON NATIVE
LARGE DECIDUOUS TREES					
AR	1	<i>Acer rubrum</i>	Red Maple	60mm Cal. W.B.	Native
AS	1	<i>Acer saccharum</i>	Sugar Maple	60mm Cal. W.B.	Native
SMALL DECIDUOUS TREES					
Ac	2	<i>Amelanchier canadensis</i> (tree form)	Serviceberry (tree form)	250cm HT. 15g.	Native

* Contractor to stake all planting locations for approval by the Contract Administrator before planting

PROPOSED WHITEVALE ROAD		BENCH MARK ELEVATION	
50mm HL3 ASPHALT (BY OTHERS)		ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING	
50mm HL8 ASPHALT		BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.	
50mm HL8 ASPHALT		HORIZONTAL DATUM	
150mm GRANULAR A		NAD83(CRS) (2010) UTM ZONE 17	
400mm GRANULAR B TYPE II			
450mm GRANULAR B TYPE II			

PROPOSED DRIVEWAY		RESIDENTIAL:	
		50mm HL3F ASPHALT, 150mm GRANULAR A	
		COMMERCIAL/INDUST./INSTI:	
		50mm HL3F, 50mm HL8, 150mm GRANULAR A, 450mm GRANULAR B TYPE II	
GRAVEL DRIVEWAY:		200mm GRANULAR A	

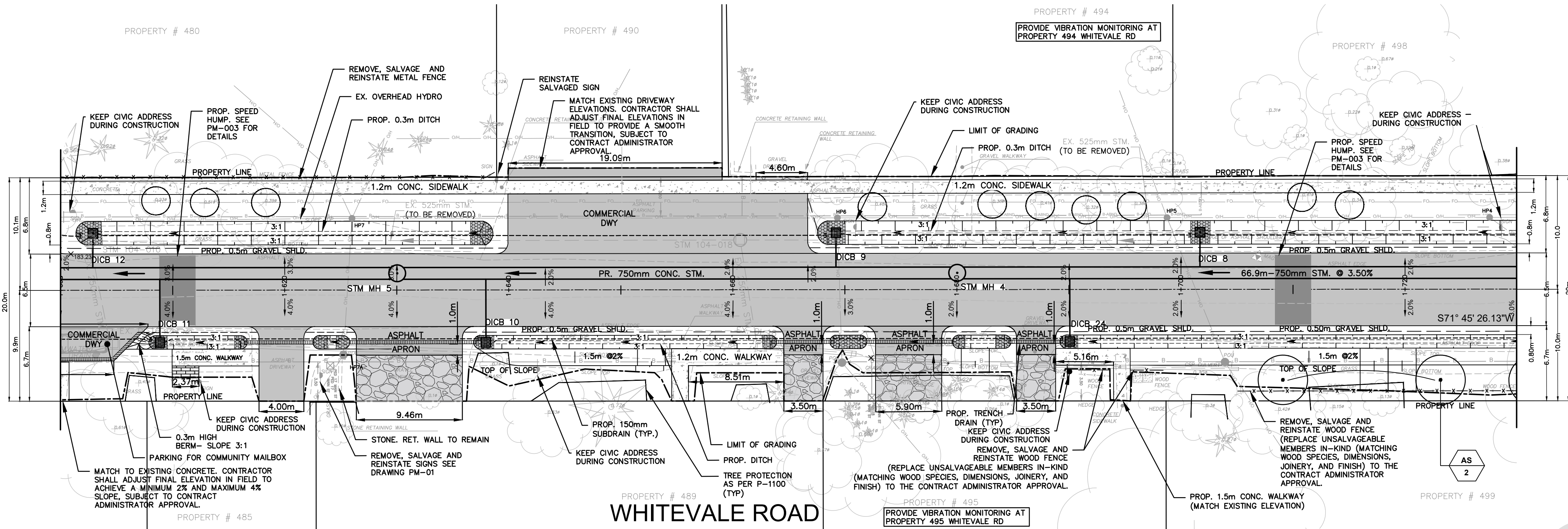
City of
PICKERING

TITLE
**WHITEVALE ROAD
PROPOSED ROAD & STORM SEWER
STA. 1+450.00 TO STA. 1+600.00**

SURVEY BY: IBW SURVEYORS
DATE: 2018/05/03
DRAWN BY: SR
DATE: JUL. 2025
DESIGN BY: SR-AS & PM
DATE: JUL. 2025
PLAN SCALE: 1:250
PROFILE SCALE: H 1:250 V 1:50

TENDER No. Q2026-25
DRAWING No.
C-005
SHEET 6 of 48

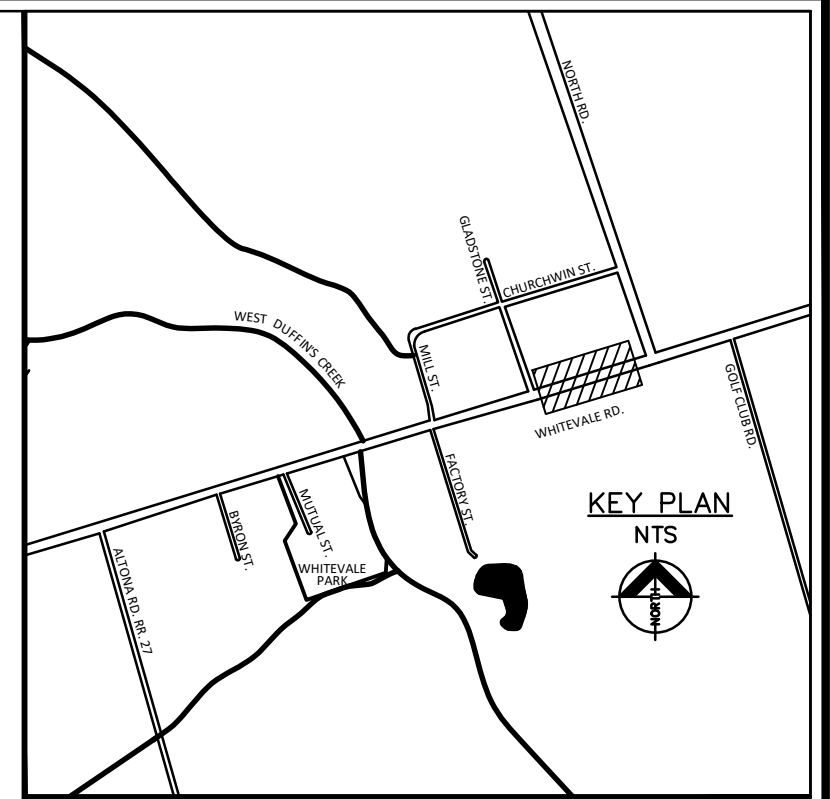
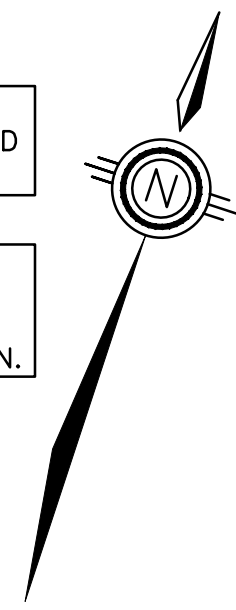
SEE DRAWING No. C-005
1+600.00



1+730.00
SEE DRAWING No. C-007

EX HYDRO POLES TO BE
SUPPORTED AND PROTECTED
DURING CONSTRUCTION

MAINTAIN SINGLE LANE
TRAFFIC AND CONTINUOUS
EMERGENCY ACCESS
THROUGHOUT CONSTRUCTION.



NOTES:

GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

CATCH BASIN DATA TABLE										C.B. CONNECTION DATA		
OPSD	TYPE OPENING	STR. No.	CHAINAGE	GRATE	ELEV.	SLOPE	IN	OUT	LEN. (m)	DIA (mm)	CLASS OF PIPE	SLOPE
705.030.403.010	A	DICB 12	1+602.88	182.95	3:1		S 181.58	3.0	250	PVC	2.1%	
705.030.403.010	A	DICB 11	1+608.85	183.40	3:1		N 181.92	5.7	250	PVC	2.0%	
705.030.403.010	A	DICB 10	1+637.95	184.83	3:1		N 183.38	5.6	250	PVC	1.9%	
705.030.403.010	A	DICB 9	1+669.20	186.62	3:1		S 185.12	3.0	300	PVC	2.0%	
705.030.403.010	A	DICB 24	1+690.07	188.14	3:1		N 186.68	5.6	250	PVC	1.9%	
705.030.403.010	A	DICB 8	1+701.70	188.68	3:1		S 187.25	3.1	300	PVC	2.2%	

PLANT LIST (C-006)

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/CONDITION	NATIVE / NON NATIVE
LARGE DECIDUOUS TREES					
AS	2	Acer saccharum	Sugar Maple	60mm Cal. W.B.	Native

* Contractor to stake all planting locations for approval by the Contract Administrator before planting

PROPOSED ROAD WHITEVALE ROAD AND NORTH ROAD
50mm HL3 ASPHALT (BY OTHERS)
50mm HL8 ASPHALT
50mm HL8 ASPHALT
150mm GRANULAR A
400mm GRANULAR B TYPE II
BIAXIAL GEOTEXT, IF DEFLECTIONS ARE OBSERVED DURING PROOF ROLLING

PROPOSED DRIVEWAY
RESIDENTIAL: 50mm HL3F ASPHALT 150mm GRANULAR A
COMMERCIAL/INDUST./INSTIT. 50mm HL3F 50mm HL8, 150mm GRANULAR A, 450mm GRANULAR B TYPE II
GRAVEL DRIVEWAY: 200mm GRANULAR A

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS) (2011) UTM ZONE 17

AECOM
PROJECT No. 60560495

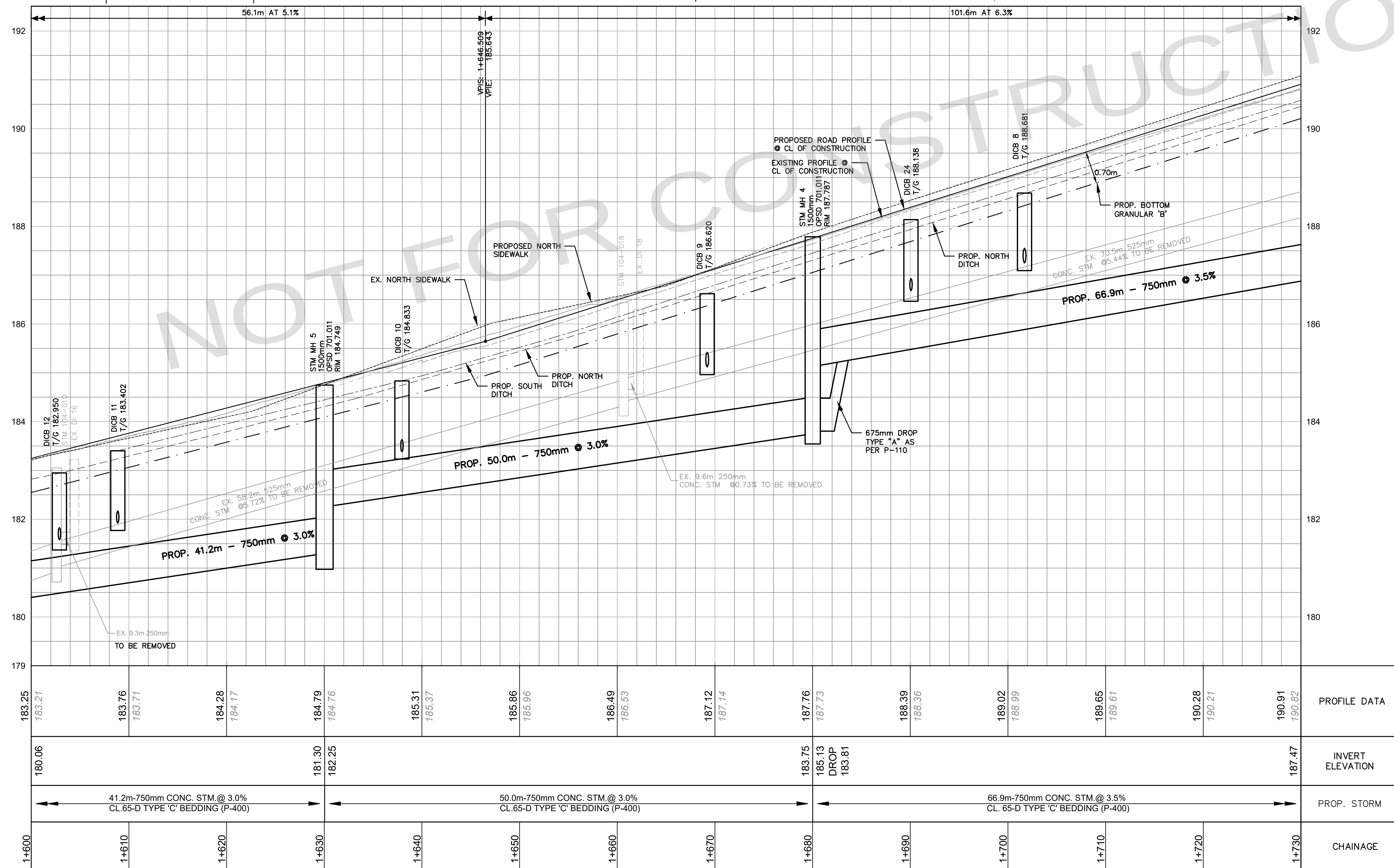
No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

City of
PICKERING

TITLE
**WHITEVALE ROAD
PROPOSED ROAD & STORM SEWER
STA. 1+600.00 TO STA. 1+730.00**

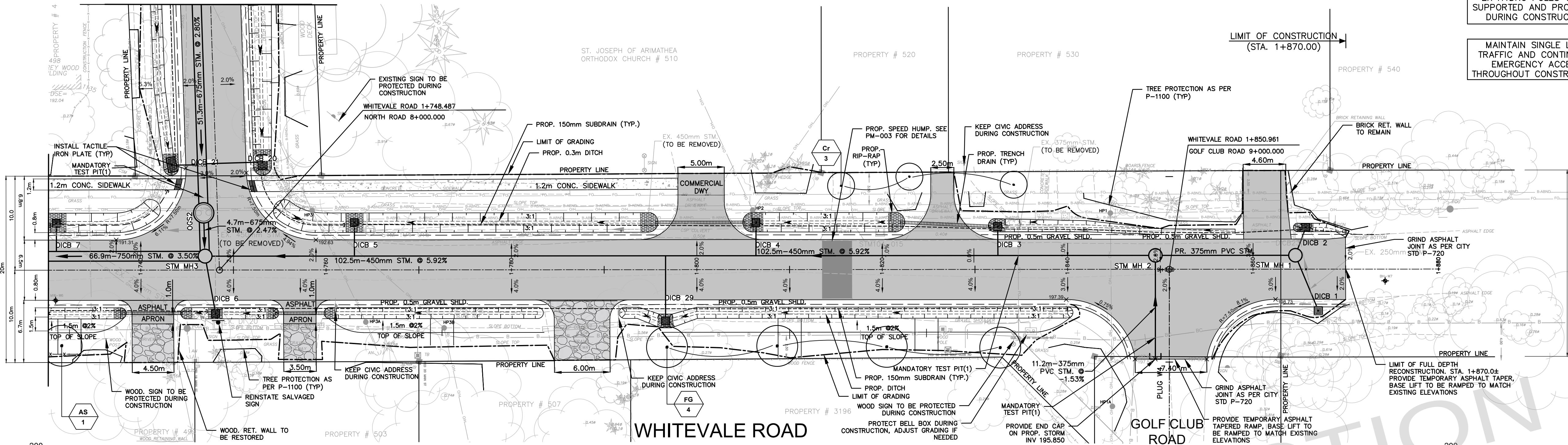
SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL, 2025
DESIGN BY: SR-AS & PM	DATE: JUL, 2025
PLAN SCALE: 1:250	PROFILE SCALE: H 1:250 V 1:50

TENDER No. Q2026-25	
DRAWING No. C-006	SHEET 7 of 48



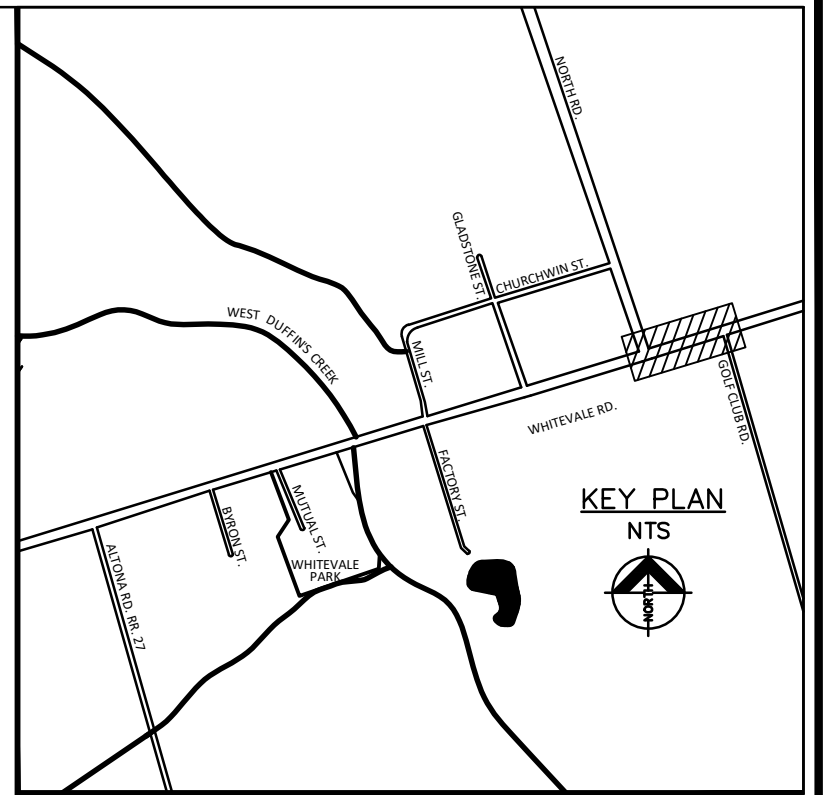
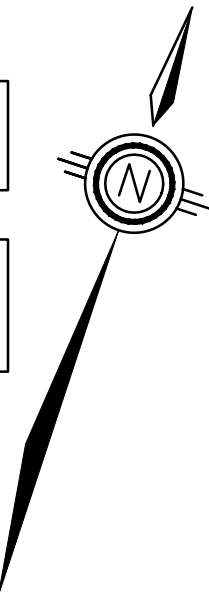
SEE DRAWING No. C-008

NORTH ROAD



EX HYDRO POLES TO BE SUPPORTED AND PROTECTED DURING CONSTRUCTION

MAINTAIN SINGLE LANE TRAFFIC AND CONTINUOUS EMERGENCY ACCESS THROUGHOUT CONSTRUCTION.



NOTES:

GENERAL

- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
- FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

CATCH BASIN DATA TABLE										C.B. CONNECTION DATA			
OPSD	TYPE	OPENING	STR. No.	CHAINAGE	INVERT ELEVATIONS		LEN. (m)	DIA (mm)	CLASS OF PIPE	SLOPE			
					ELEV.	SLOPE							
705.030.403.010	A	DICB 7	1+730.90	190.52	3:1		S 189.09	3.0	300	PVC	2.3%		
705.030.403.010	A	DICB 6	1+748.07	191.68	3:1		NW 190.13	6.3	250	PVC	2.0%		
705.030.403.010	A	DICB 5	1+763.06	192.49	3:1		S 191.06	3.6	250	PVC	2.2%		
705.030.403.010	A	DICB 4	1+806.38	195.05	3:1		S 193.63	3.5	250	PVC	2.1%		
705.030.403.010	A	DICB 3	1+832.46	196.80	3:1		S 195.34	3.1	250	PVC	1.9%		
705.030.403.010	A	DICB 2	1+865.70	198.81	3:1		S 197.30	3.2	300	PVC	3.5%		
705.030.403.010	A	DICB 1	1+867.04	198.81	3:1		NW 197.35	6.5	250	PVC	2.0%		
705.030.403.010	A	DICB 29	1+796.62	194.62	3:1		N 193.16	7.0	250	PVC	2.0%		

PLANT LIST (C-007)

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/CONDITION	NATIVE / NON NATIVE
LARGE DECIDUOUS TREES					
AS	1	Acer saccharum	Sugar Maple	60mm Cal. W.B.	Native
FG	4	Fagus grandifolia	American Beech	50mm Cal. W.B.	Native
SMALL DECIDUOUS TREES					
Cr	3	Cornus racemosa (tree form)	Gray Dogwood (tree form)	45mm Cal. BBC	Native

* Contractor to stake all planting locations for approval by the Contract Administrator before planting

PROPOSED WHITEVALE ROAD
50mm HL3 ASPHALT (BY OTHERS)
50mm HL8 ASPHALT
50mm HL8 ASPHALT
150mm GRANULAR A
400mm GRANULAR B TYPE II
BIAXIAL GEOGRID, IF DEFLECTIONS ARE OBSERVED DURING PROOF ROLLING

PROPOSED DRIVEWAY
RESIDENTIAL: 50mm HL3F ASPHALT, 150mm GRANULAR A
COMMERCIAL/INDUST./INSTIT: 50mm HL3F, 50mm HL8, 150mm GRANULAR A, 450mm GRANULAR B TYPE II
GRAVEL DRIVEWAY: 200mm GRANULAR A

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.94m.
HORIZONTAL DATUM
NAD83(CRS) (2011) UTM ZONE 17

AECOM

PROJECT No. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

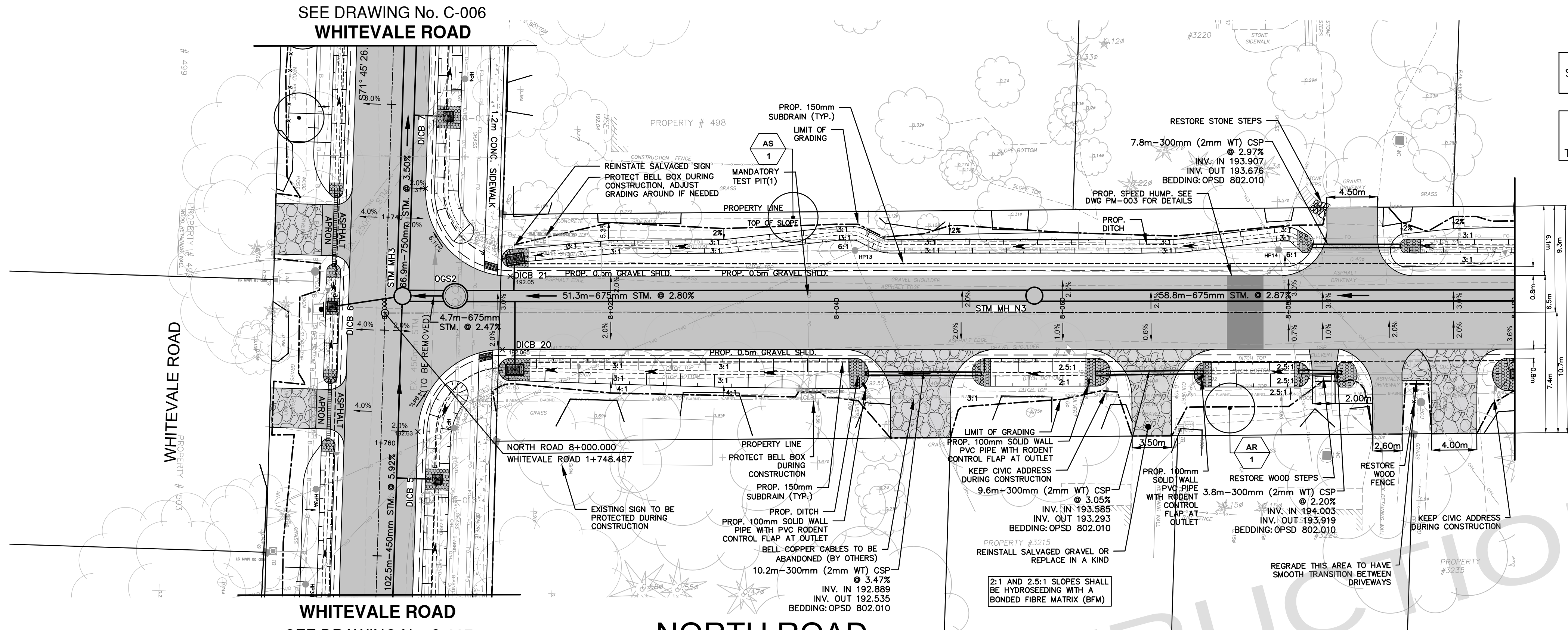
City of
PICKERING

TITLE
**WHITEVALE ROAD
PROPOSED ROAD & STORM SEWER
STA. 1+730.00 TO STA. 1+880.00**

SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL. 2025
DESIGN BY: SR-AS & PM	DATE: JUL. 2025
PLAN SCALE: 1:250	PROFILE SCALE: H 1:250 V 1:50

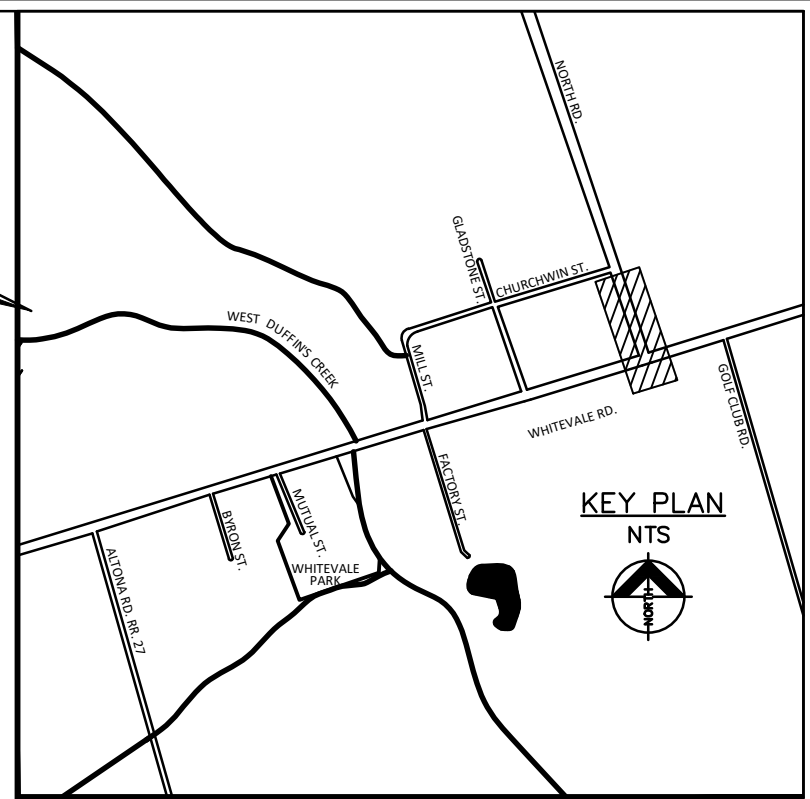
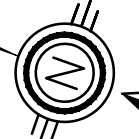
DRAWING No. C-007	TENDER No. Q2026-25 SHEET 8 of 48
-----------------------------	---

SEE DRAWING No. C-006
1+730.00



EX HYDRO POLES TO BE
SUPPORTED AND PROTECTED
DURING CONSTRUCTION.

MAINTAIN SINGLE LANE
TRAFFIC AND CONTINUOUS
EMERGENCY ACCESS
THROUGHOUT CONSTRUCTION.



NOTES:

GENERAL

- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
- FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

CATCH BASIN DATA TABLE							C.B. CONNECTION DATA			
OPSD	TYPE OPENING	STR. No.	CHAINAGE	GRATE ELEV.	INVERT ELEVATIONS		LEN. (m)	DIA (mm)	CLASS OF PIPE	SLOPE
705.040.403.010	B	DICB 20	8+011.49	191.74	3.1	W 190.17	6.4	375	PVC	2.0%
705.040.403.010	B	DICB 21	8+011.50	191.70	3.1	E 190.26	3.1	375	PVC	2.0%

PLANT LIST (C-008)

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/CONDITION	NATIVE / NON NATIVE
LARGE DECIDUOUS TREES					
AR	1	<i>Acer rubrum</i>	Red Maple	60mm Cal. W.B.	Native
AS	1	<i>Acer saccharum</i>	Sugar Maple	60mm Cal. W.B.	Native

* Contractor to stake all planting locations for approval by the Contract Administrator before planting

PROPOSED WHITEVALE ROAD
50mm HL3 ASPHALT (BY OTHERS)
50mm HL8 ASPHALT,
50mm HL8 ASPHALT
150mm GRANULAR A
400mm GRANULAR B TYPE II
BIAXIAL GEOTEXT, IF DEFLECTIONS
ARE OBSERVED DURING PROOF
ROLLING

PROPOSED DRIVEWAY
RESIDENTIAL: 50mm HL3F ASPHALT 150mm GRANULAR A
COMMERCIAL/INDUST./INSTIT. 50mm HL8, 150mm GRANULAR A,
450mm GRANULAR B TYPE II
GRAVEL DRIVEWAY: 200mm GRANULAR A

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS) (2011) UTM ZONE 17

AECOM

PROJECT No. 60560495

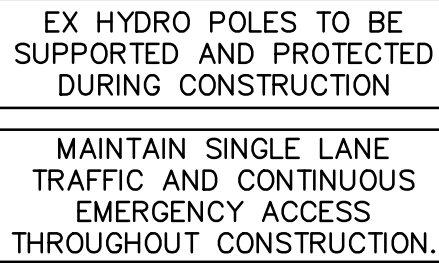
1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

TITLE
**NORTH ROAD
PROPOSED ROAD & STORM SEWER
STA. 8+000.00 TO STA. 8+100.00**

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	PROFILE SCALE:	H 1:250 V 1:50

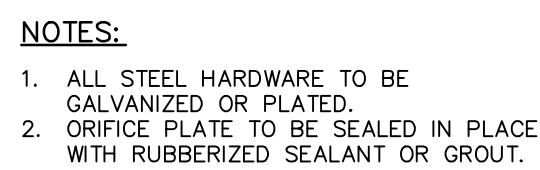
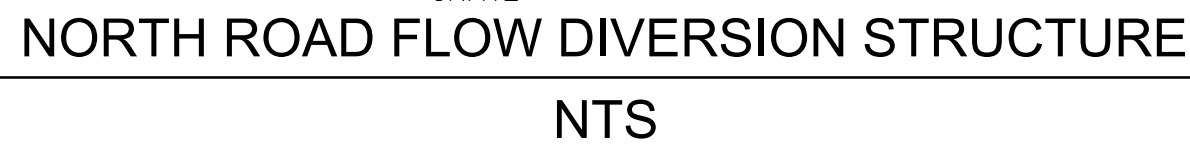
DRAWING No. C-008		TENDER No. Q2026-25
SHEET 9 of 48		



NORTH ROAD



PROP. BERM: TOP WIDTH PERPENDICULAR
TO TO DITCH: 2.0m
WIDTH ALONG DITCH: 0.5m
FLOW CONVEYED: 0.80m³/s
TOP ELEV: 196.38m



QUANTITY CONTROL ORIFICE PLATE AT DICB 32



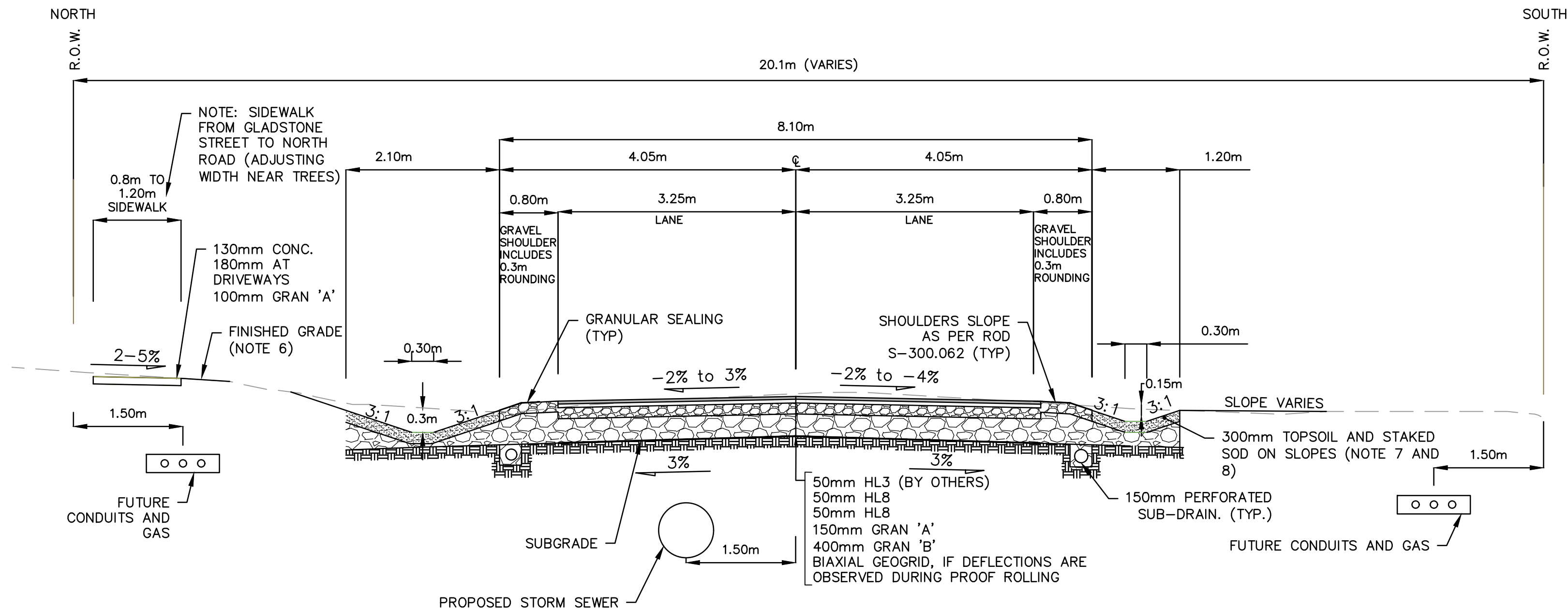
- | BID LIST (C-009) | | | | |
|---------------------------|-----------------------|----------------|----------------|---------------------|
| QTY. | BOTANICAL
NAME | COMMON
NAME | SIZE/CONDITION | NATIVE / NON NATIVE |
| RE DECIDUOUS TREES | | | | |
| 1 | <i>Acer rubrum</i> | Red Maple | 60mm Cal. V.B. | Native |
| 1 | <i>Acer saccharum</i> | Sugar Maple | 60mm Cal. V.B. | Native |
| 3 | <i>Quercus rubra</i> | Red Oak | 60mm Cal. V.B. | Native |
- Contractor to stake all planting locations for approval by the Contract administrator before planting

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRs)(2010) UTM ZONE 17

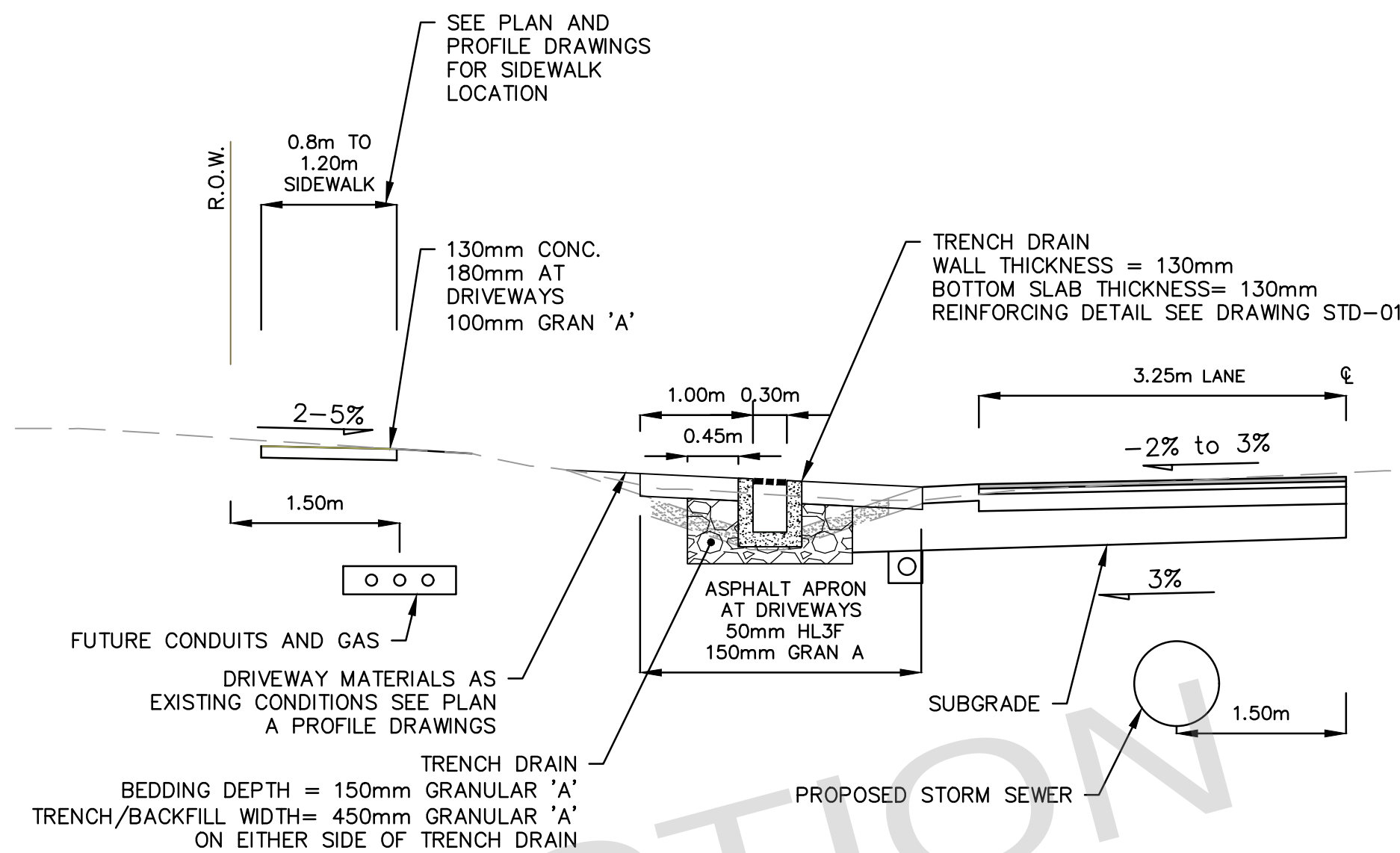
PROJECT No. 60560495

City of
PICKERING

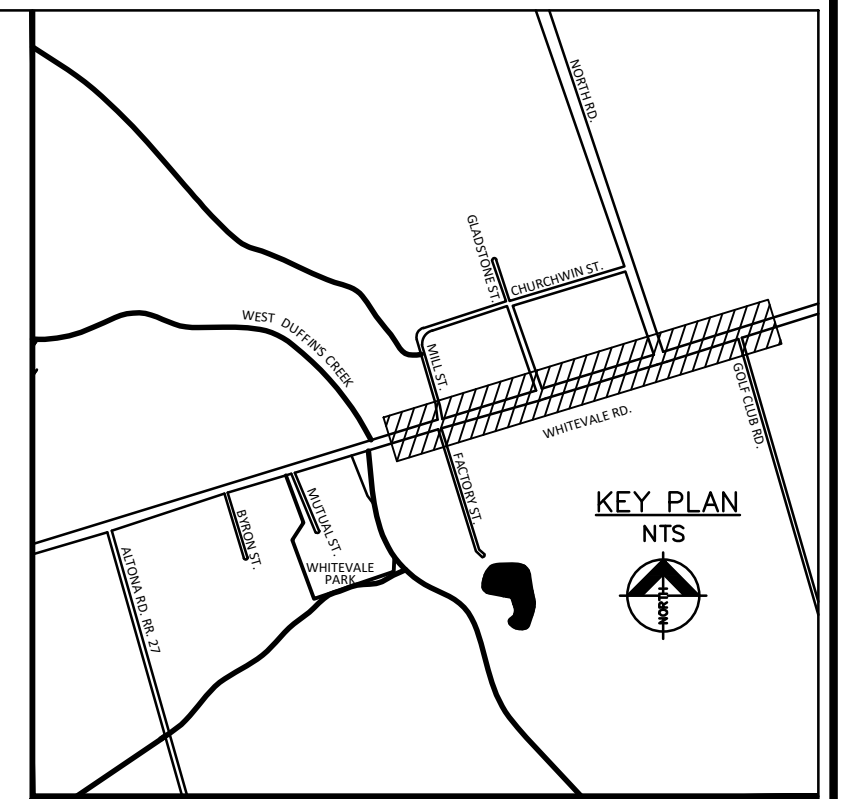
TITLE		NORTH ROAD	
PROPOSED ROAD & STORM SEWER		STA. 8+100.00 TO STA. 8+193.00	
SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	☒ PROFILE SCALE:	H 1:250 V 1:50
TENDER No. 02026-25			
DRAWING No. C-009		SHEET 10 of 48	



TYPICAL SECTION WHITEVALE ROAD RECONSTRUCTION
FROM STA. 1+440.00 TO 1+800.00
 NTS



TYPICAL TRENCH DRAIN DETAIL AT DRIVEWAYS
 NTS



- NOTES:**
GENERAL
- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 - FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.
- TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.
- SEED AND MULCH WITH 50mm OF TOPSOIL TO COVER GRANULAR ROAD EMBANKMENT BEYOND ROUNDING. PLACE 100mm TOPSOIL (BELOW FINISHED GRADE) BEYOND GRANULAR ROAD EMBANKMENT.
 - PROVIDE SOD ON ALL DITCHES THAT ARE LESS THAN 0.5m IN DEPTH.
 - FOR SIDE SLOPES 2:1 AND 2.5:1 PROVIDE SOD HYDROSEEDING WITH A BONDED FIBRE MATRIX (BFM)

PROPOSED ROAD WHITEVALE ROAD AND NORTH ROAD
 50mm HL3 ASPHALT (BY OTHERS) 50mm HL8 ASPHALT, 50 HL8 ASPHALT, 150mm GRANULAR A 400mm GRANULAR B

PROPOSED DRIVEWAY
 RESIDENTIAL: 50mm HL3F ASPHALT 150mm GRANULAR A
 COMMERCIAL/INDUST./INSTIT. 50mm HL3F 50mm HL8, 150mm GRANULAR A, 450mm GRANULAR B

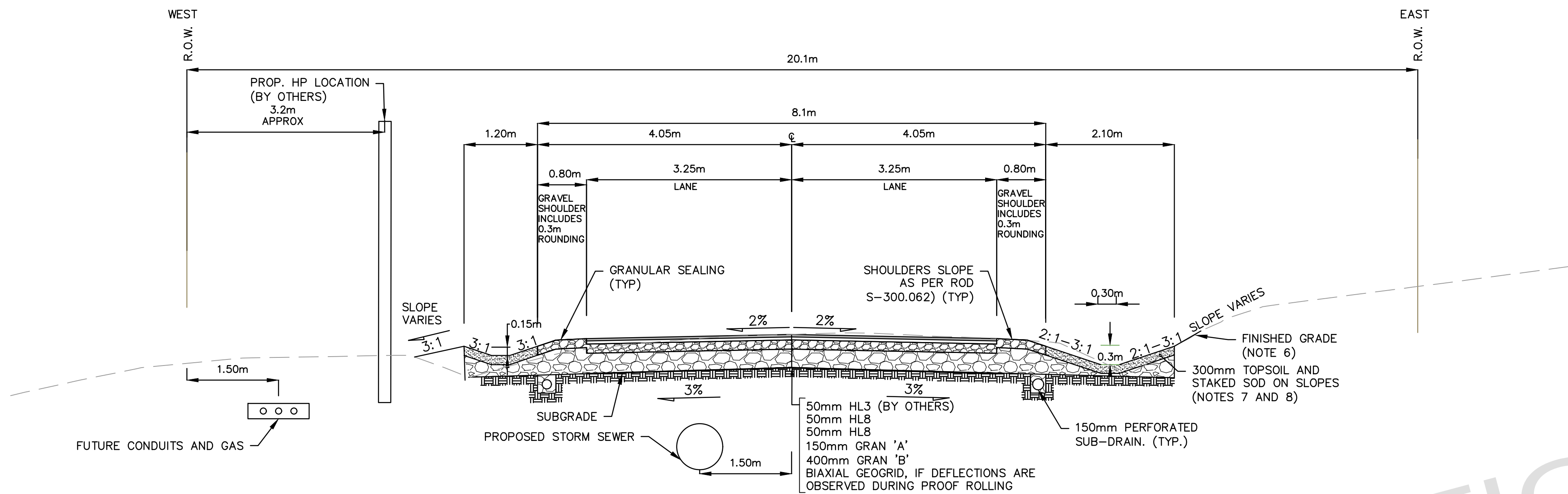
BENCH MARK ELEVATION
 ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
 HORIZONTAL DATUM
 NAD83(CSRS)(2010) UTM ZONE 17

AECOM
 PROJECT No. 60560495

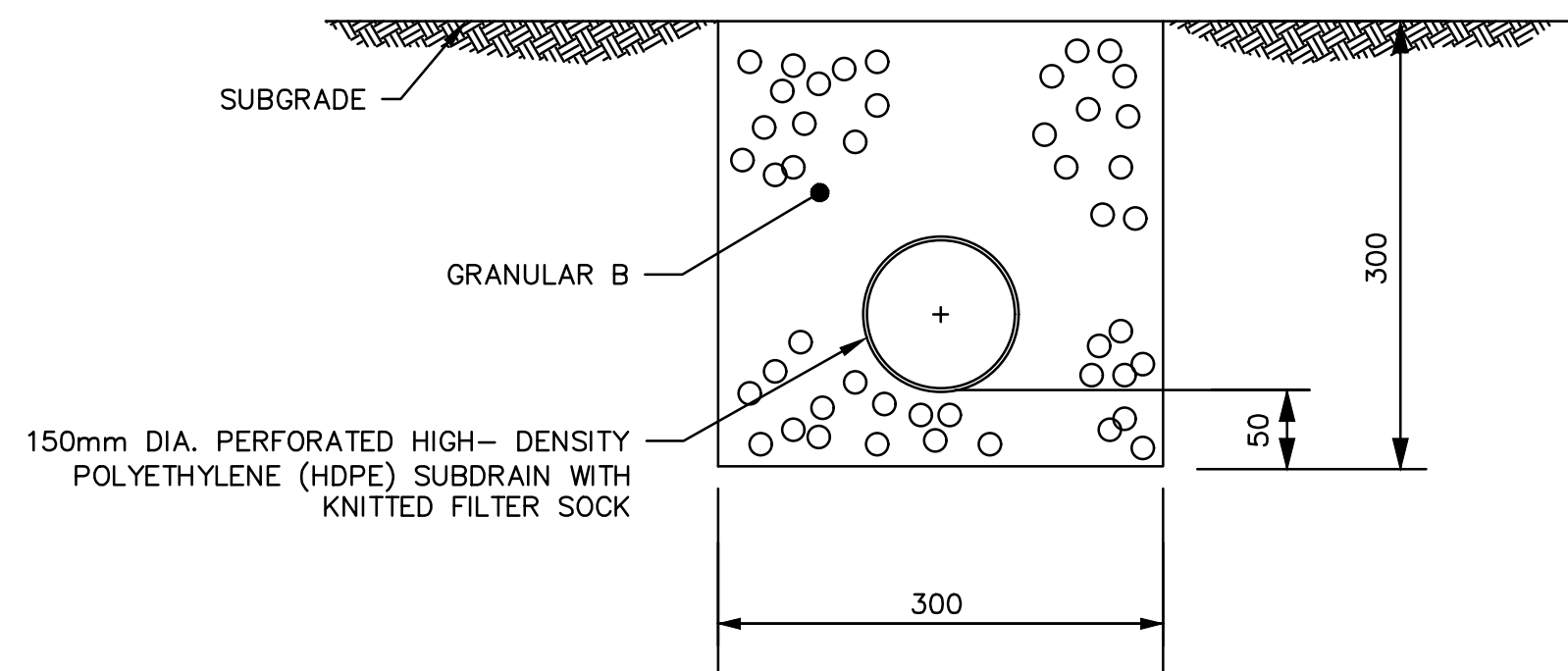
No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

City of PICKERING

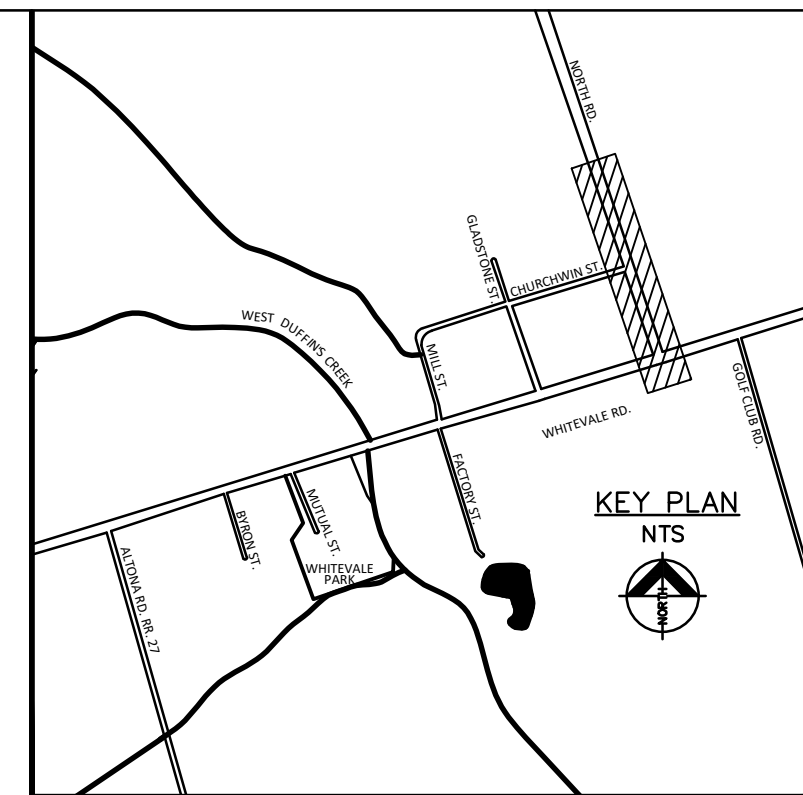
TITLE WHITEVALE ROAD TYPICAL SECTIONS STA. 1+440.00 TO STA. 1+880.00	
SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL, 2025
DESIGN BY: SR-AS & PM	DATE: JUL, 2025
PLAN SCALE: 1:250	PROFILE SCALE: H 1:250 V 1:50
TENDER No. Q2026-25	
DRAWING No. TS-01	SHEET 11 of 48



TYPICAL SECTION NORTH ROAD
FROM STA. 8+010.00 TO STA. 8+190.00
NTS



SUBDRAIN DETAIL
NTS



LOCATION MAP

NOTES:

GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROponent SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROponent/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

6. SEED AND MULCH WITH 50mm OF TOPSOIL TO COVER GRANULAR ROAD EMBANKMENT BEYOND ROUNDING. PLACE 100mm TOPSOIL (BELOW FINISHED GRADE) BEYOND GRANULAR ROAD EMBANKMENT.
7. PROVIDE SOD ON ALL DITCHES THAT ARE LESS THAN 0.5m IN DEPTH.
8. FOR SIDE SLOPES 2:1 AND 2.5:1 PROVIDE SOD HYDROSEEDING WITH A BONDED FIBRE MATRIX (BFM)

PROPOSED ROAD WHITEVALE ROAD AND NORTH ROAD
50mm HL3 ASPHALT(BY OTHERS) 50mm HL8 ASPHALT, 50 HL8 ASPHALT
150mm GRANULAR A 400mm GRANULAR B

PROPOSED DRIVEWAY
RESIDENTIAL: 50mm HL3F ASPHALT 150mm GRANULAR A
COMMERCIAL/INDUST./INSTIT. 50mm HL3F 50mm HL8, 150mm GRANULAR A,
450mm GRANULAR B

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

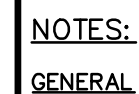
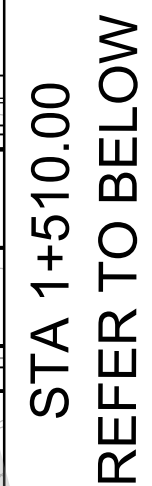
TITLE
**NORTH ROAD
TYPICAL SECTIONS
STA. 8+000.00 TO STA. 8+193.00**

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	PROFILE SCALE:	

TENDER No. Q2026-25

DRAWING No.	TS-02	SHEET 12 of 48
-------------	-------	----------------

TEMPORARY PAVEMENT MARKING
ARE TO BE USED UNTIL FINAL
SURFACE ASPHALT IS PLACED.



1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

PAVEMENT MARKING NOTES AND LEGEND:

1. FOR GENERAL NOTES AND LEGEND REFER TO DRAWING GN-001.
2. MEASUREMENTS IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE SHOWN.
3. ALL MARKINGS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL (OTM), BOOK 11
4. ALL MARKINGS TO MATCH EXISTING AT ALL WORK AND/OR ROAD RECONSTRUCTION LIMITS
5. EXISTING SIGNAGE TO BE REMOVED AND SALVAGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND REINSTALLED UPON COMPLETION OF CONSTRUCTION. REGULATORY SIGNS TO BE KEPT IN PLACE AT ALL TIMES DURING CONSTRUCTION.

No.	TYPE	COLOUR	WIDTH
①	SOLID	WHITE	10cm
④	SOLID	WHITE	45cm
⑤	SOLID	YELLOW	10cm
⑩	SYMBOL	WHITE	
⑪	LIMIT OF MARKINGS		
⑫	STEEL POST AS PER CITY STD P-809.2		
⑬	PERMANENT (WATER BORNE)		
⑭	DURABLE (THERMOPLASTIC OR COLD PLASTIC)		

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSR5)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

TITLE WHITEVALE ROAD
PAVEMENT MARKINGS AND SIGNAGE
FROM STA 1+392.48 TO 1+660.00

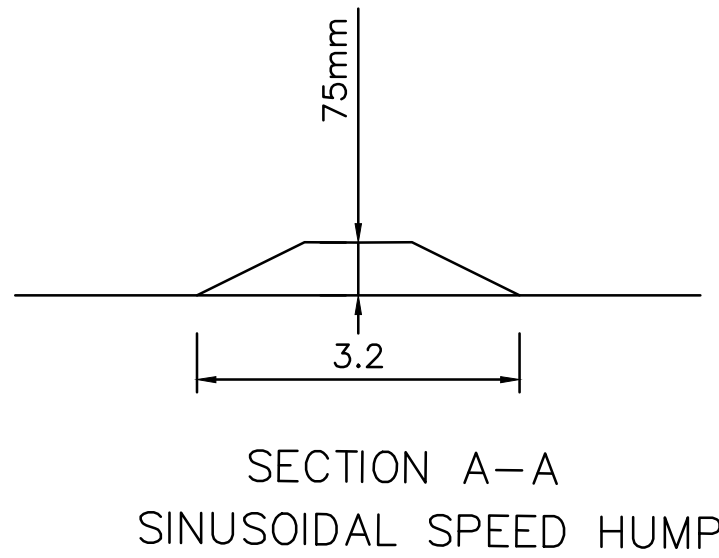
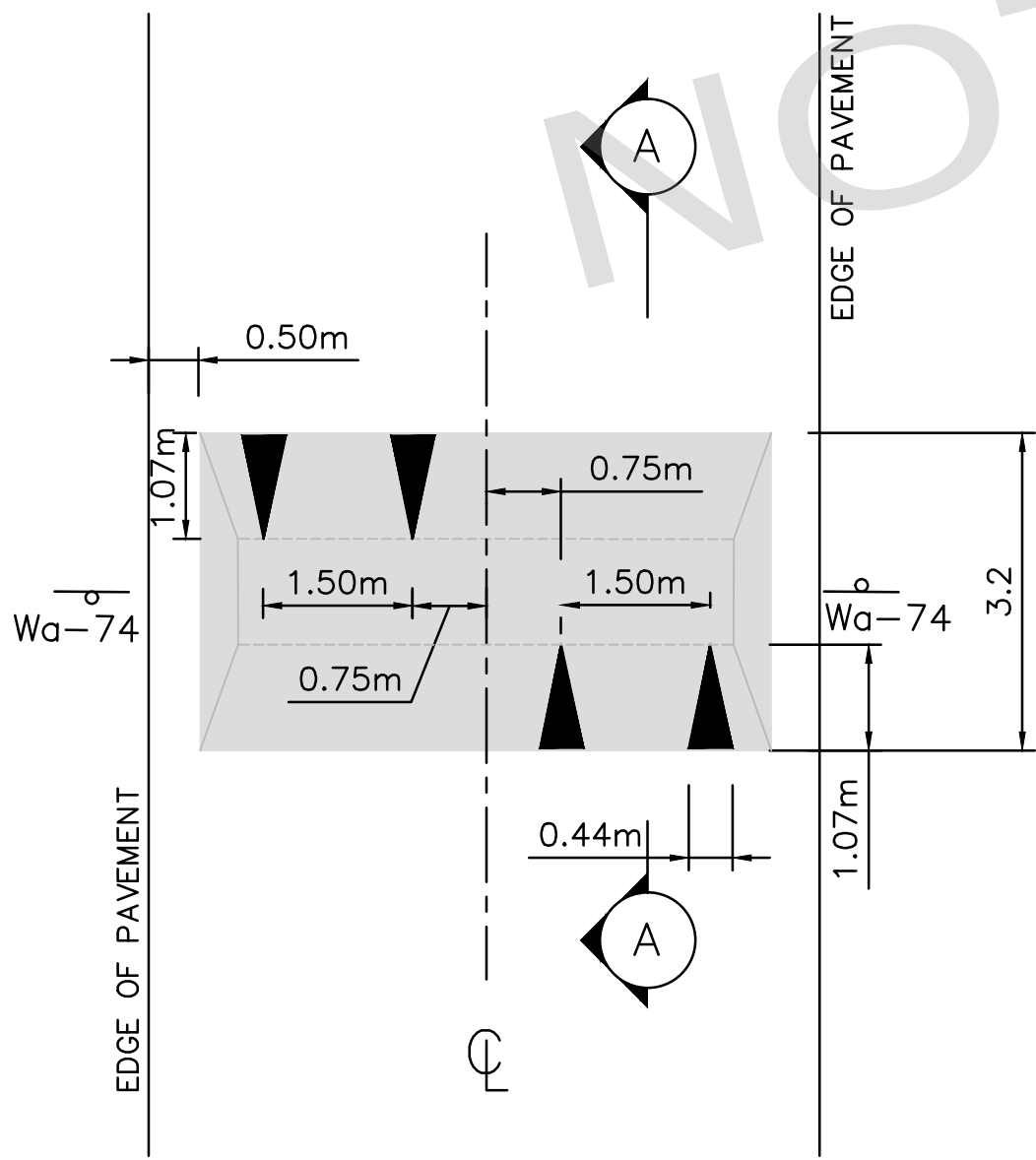
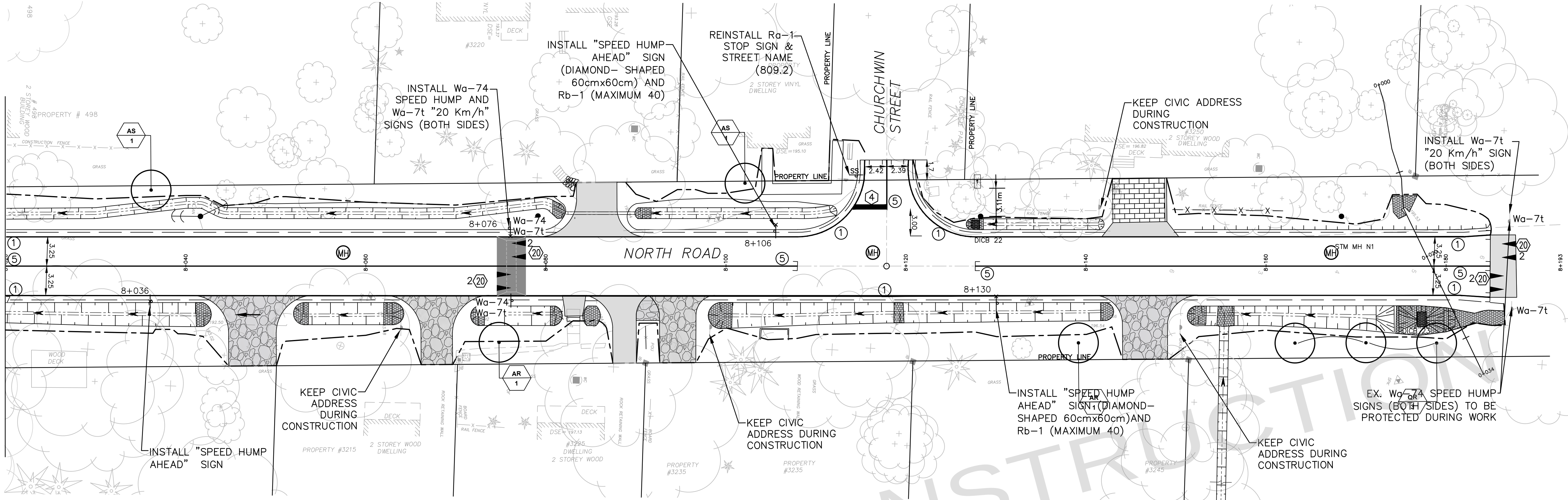
SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL, 2025
DESIGN BY: SR-AS & PM	DATE: JUL, 2025
PLAN SCALE: 1:250	☐ PROFILE SCALE:

TENDER No. Q2026-25	
DRAWING No. PM-001	SHEET 13 of 48



STA 1+660.00
SEE DRAWING PM-002

SEE DRAWING PM-002

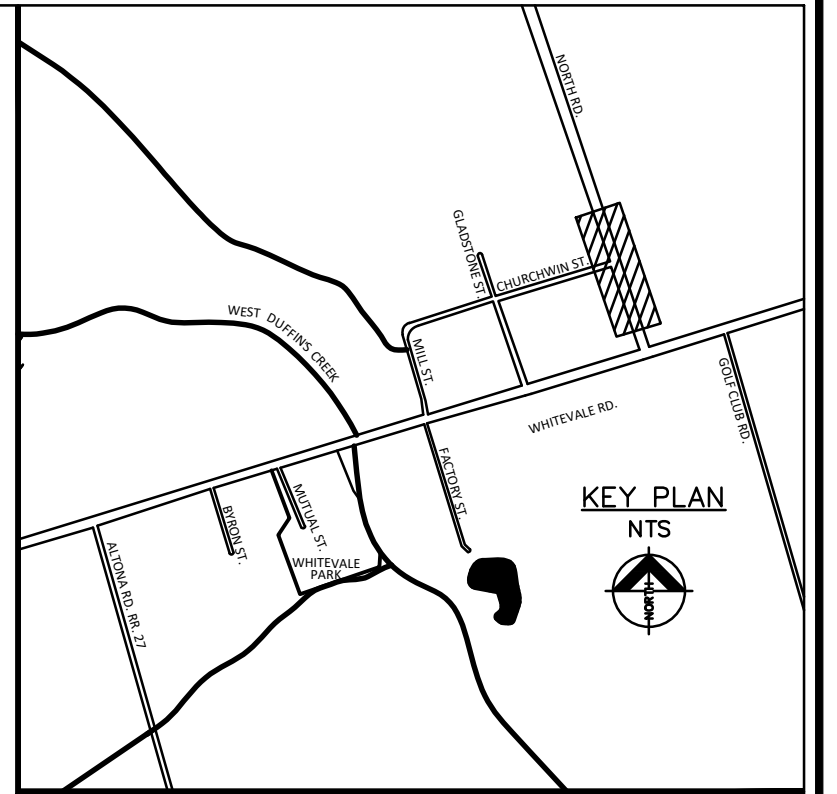


A SPEED HUMPS
PM-001 N.T.S

POST FOR TRAFFIC SIGN SHALL BE AS PER OPSD 990.110

PROPOSED SPEED HUMP TO BE INSTALLED DURING TEMPORARY AND FINAL CONDITIONS.

TEMPORARY PAVEMENT MARKING ARE TO BE USED UNTIL FINAL SURFACE ASPHALT IS PLACED.



NOTES:
GENERAL

- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROTECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
- FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

PAVEMENT MARKING NOTES AND LEGEND:

- FOR GENERAL NOTES AND LEGEND REFER TO DRAWING GN-001.
- MEASUREMENTS IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE SHOWN.
- ALL MARKINGS SHALL CONFORM WITH THE ONTARIO TRAFFIC MANUAL (OTM), BOOK 11.
- ALL MARKINGS TO MATCH EXISTING AT ALL WORK AND/OR ROAD RECONSTRUCTION LIMITS.
- EXISTING SIGNAGE TO BE REMOVED AND SALVAGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND REINSTALLED UPON COMPLETION OF CONSTRUCTION. REGULATORY SIGNS TO BE KEPT IN PLACE AT ALL TIMES DURING CONSTRUCTION.

No.	TYPE	COLOUR	WIDTH
①	SOLID	WHITE	10cm
④	SOLID	WHITE	45cm
⑤	SOLID	YELLOW	10cm
20	SYMBOL	WHITE	
J	LIMIT OF MARKINGS	STEEL POST AS PER CITY STD P-809.2	
#	PERMANENT (WATER BORNE)		
#	DURABLE (THERMOPLASTIC OR COLD PLASTIC)		

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS) (2011) UTM ZONE 17

AECOM

PROJECT No. 60560495

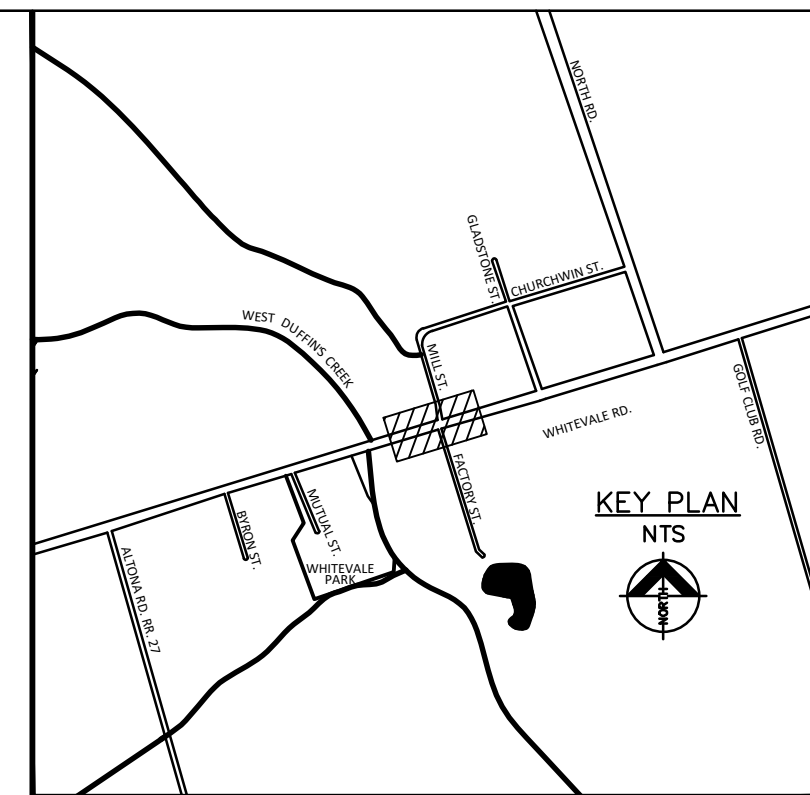
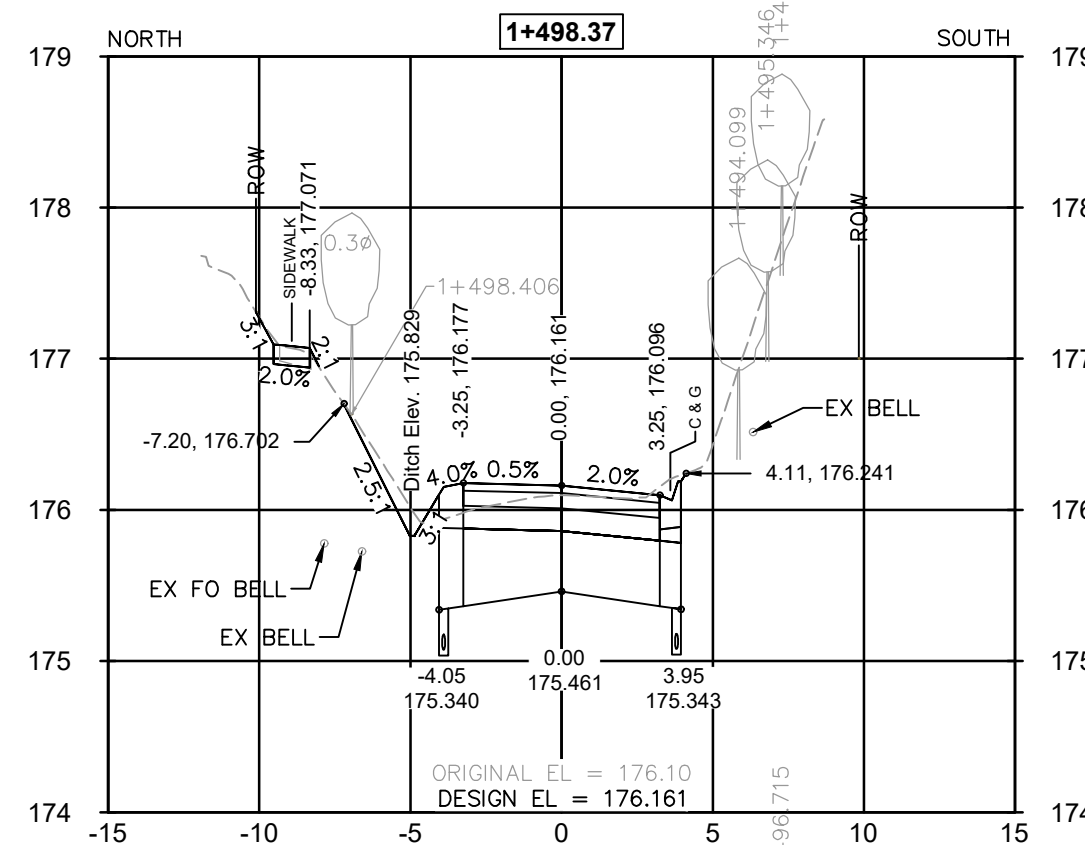
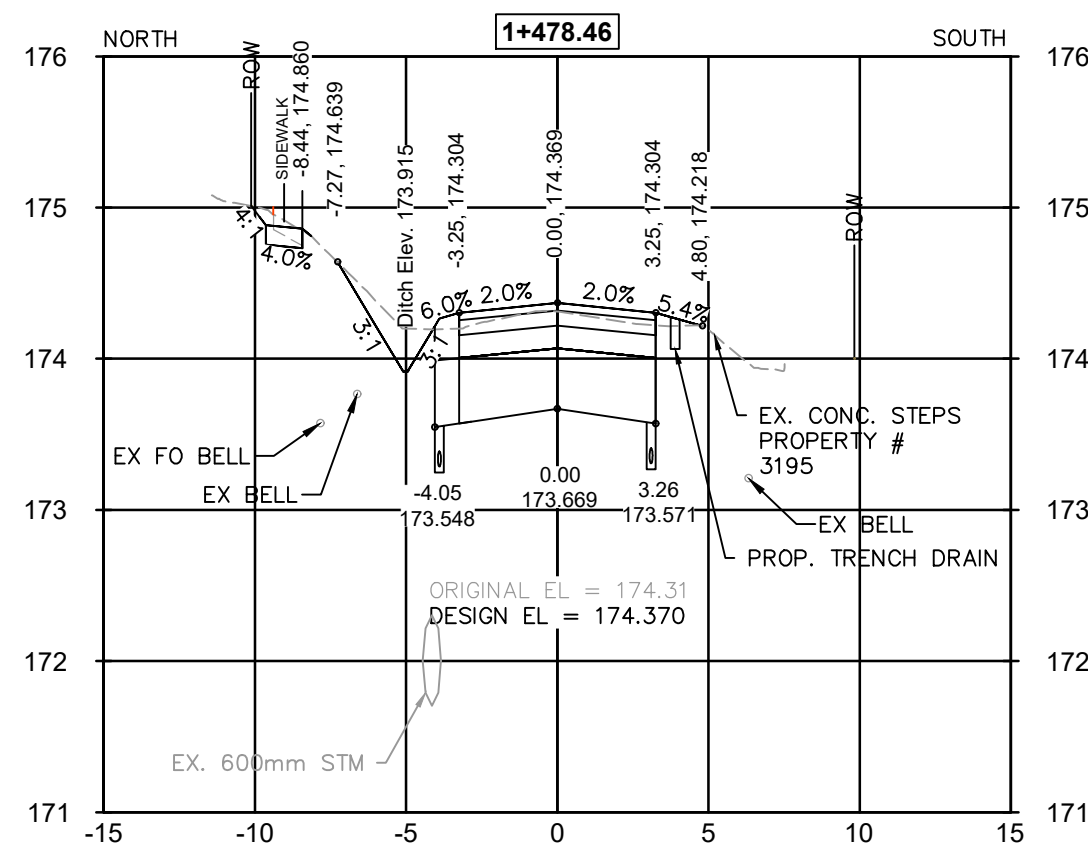
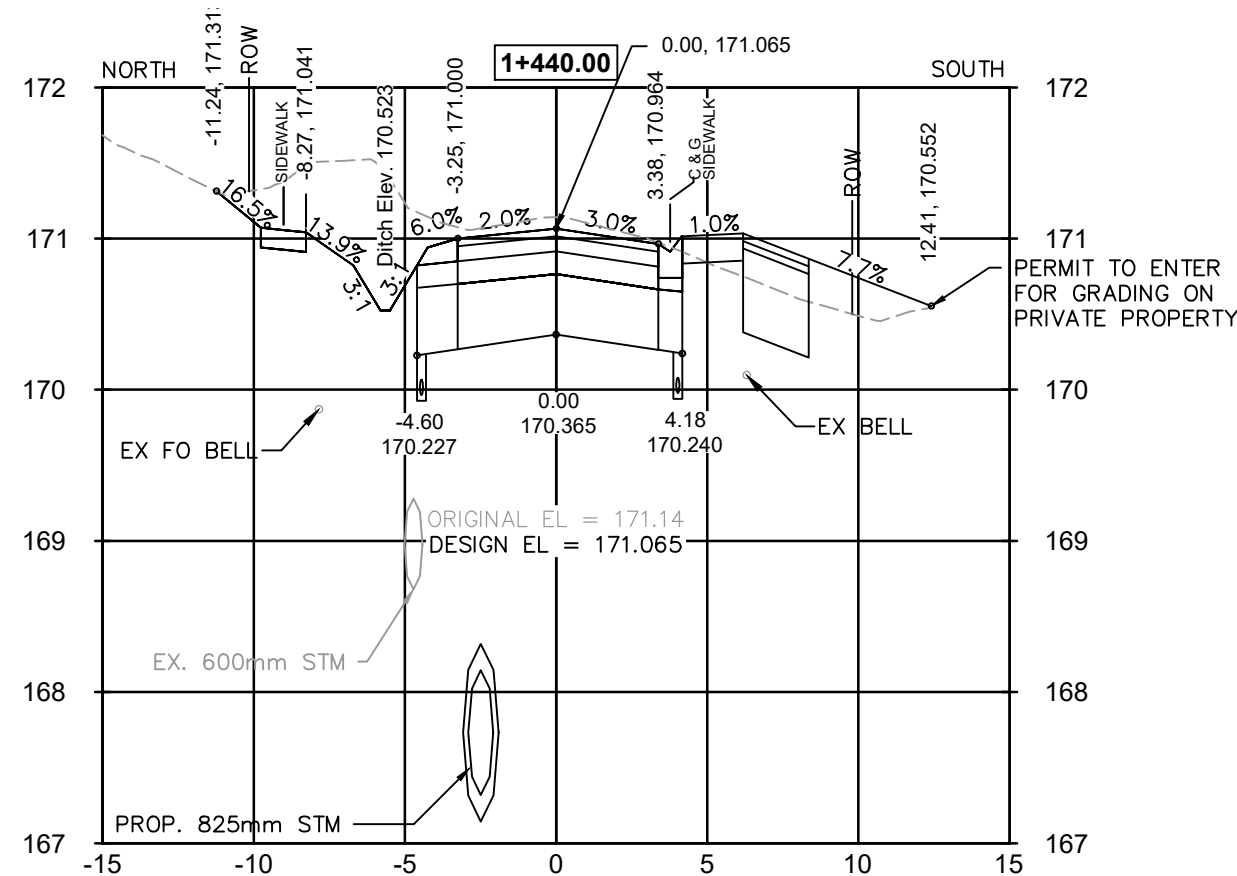
1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

TITLE
**NORTH ROAD
PAVEMENT MARKINGS AND SIGNAGE
FROM STA 8+020.00 TO 8+193.00**

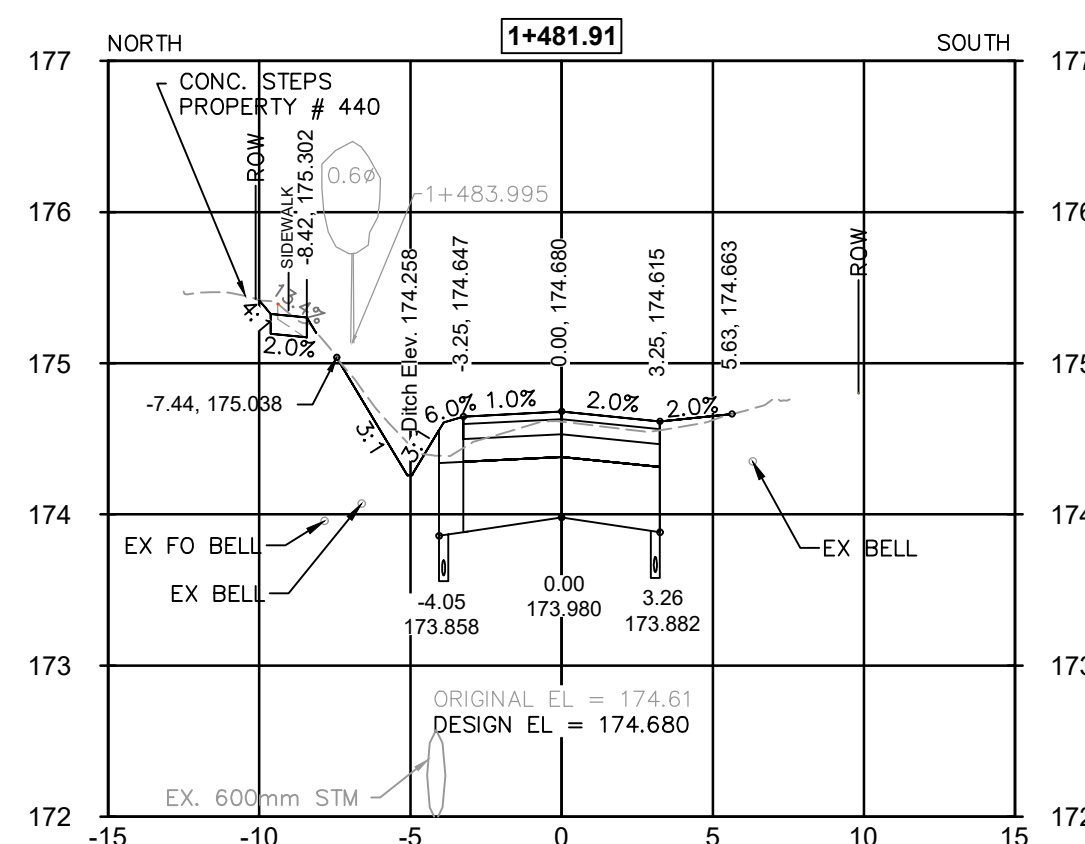
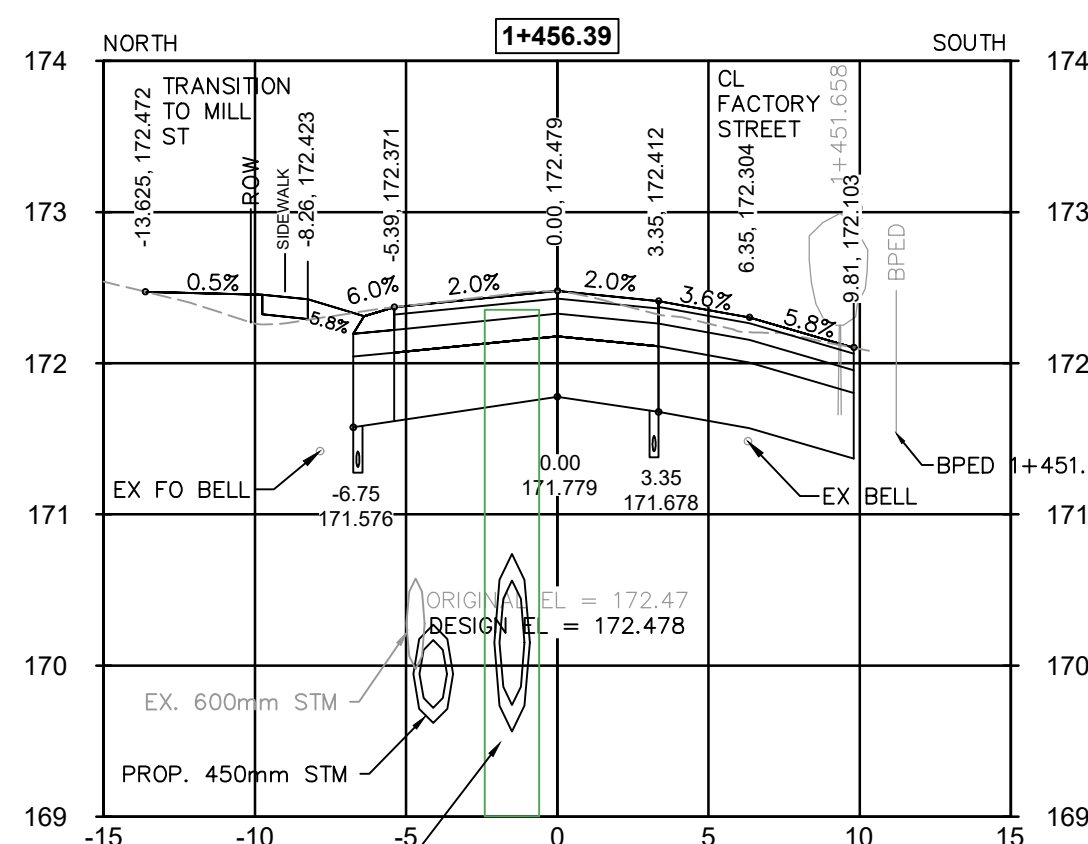
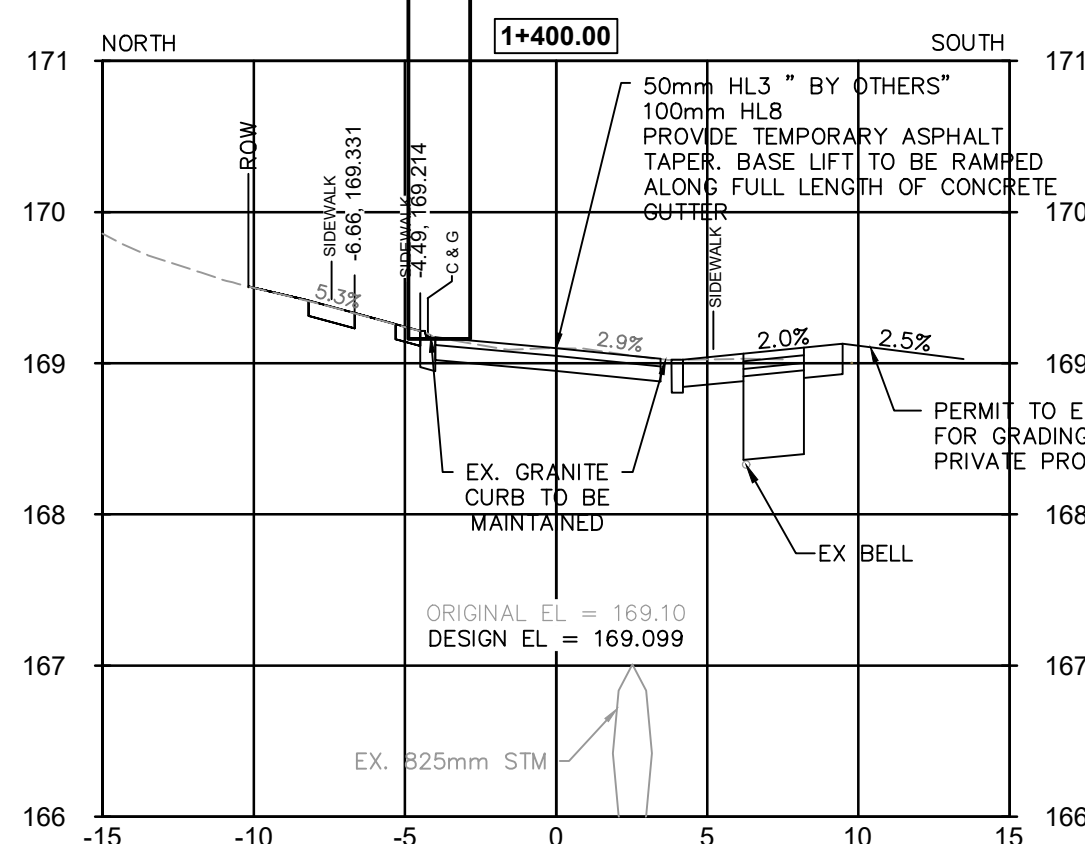
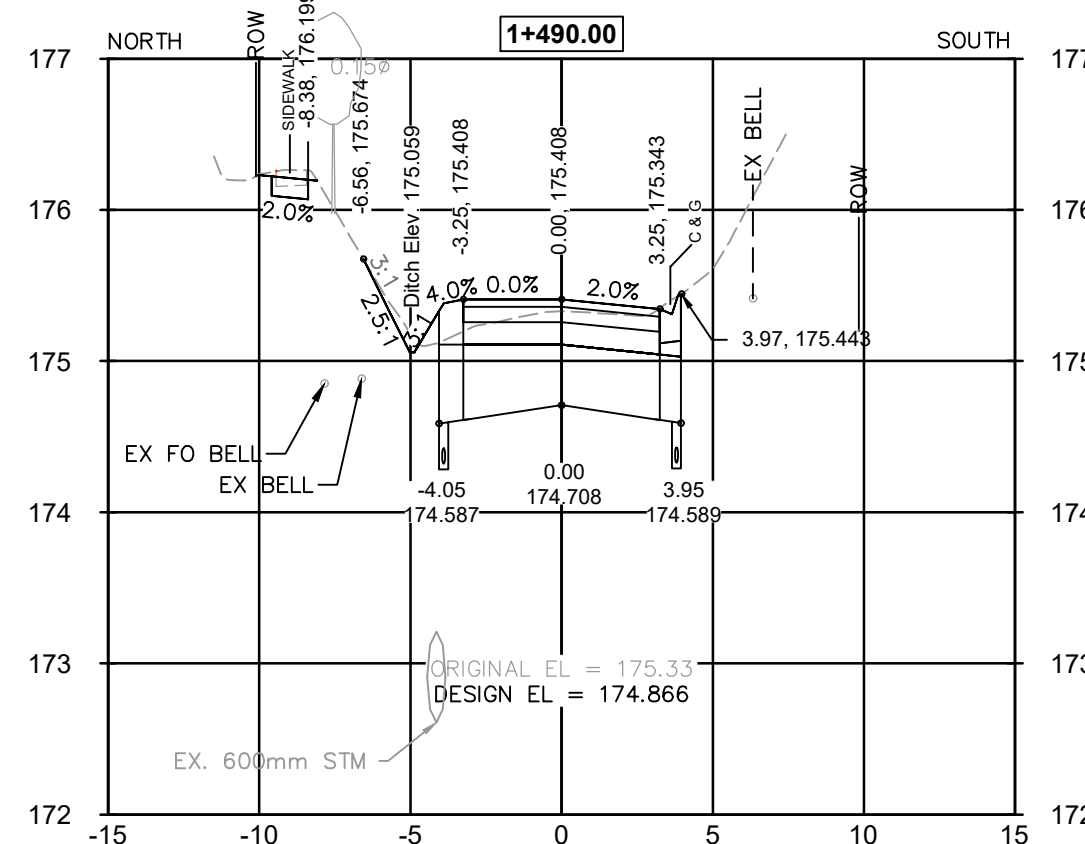
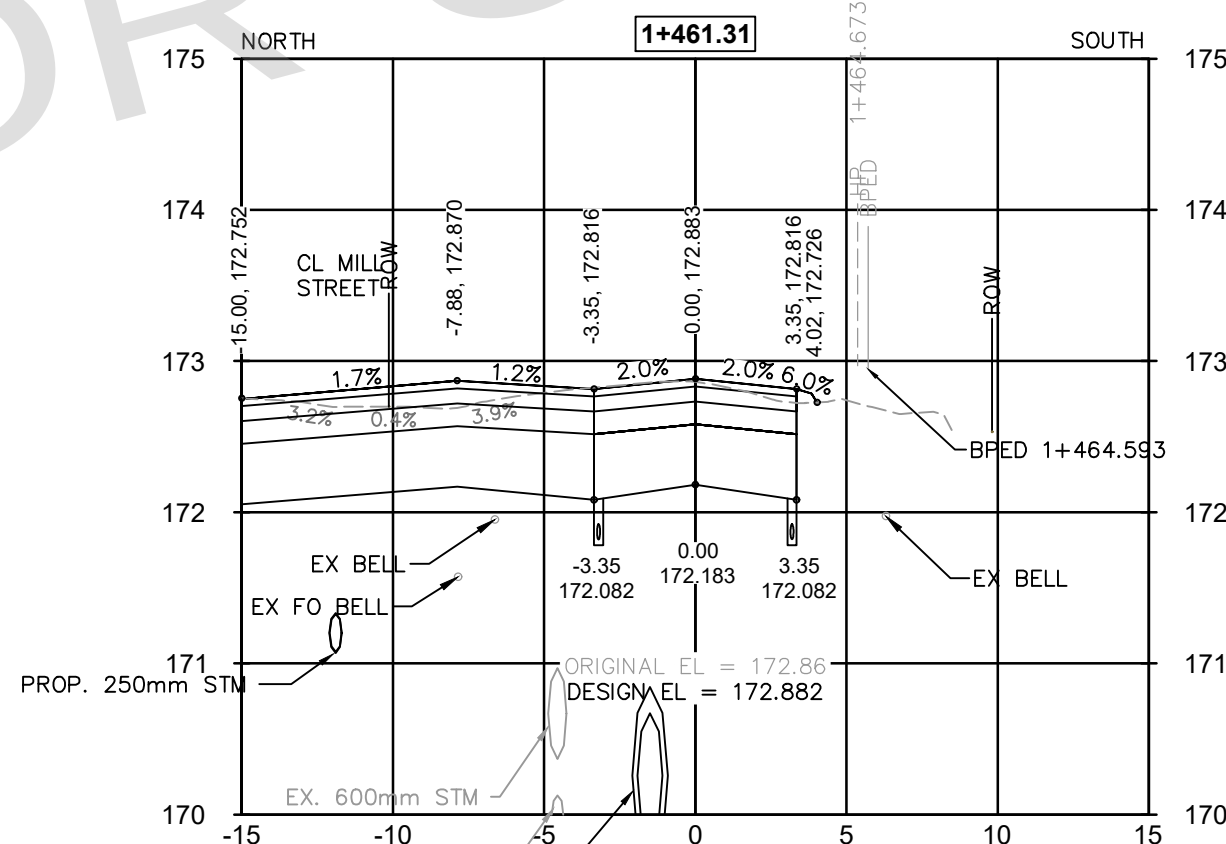
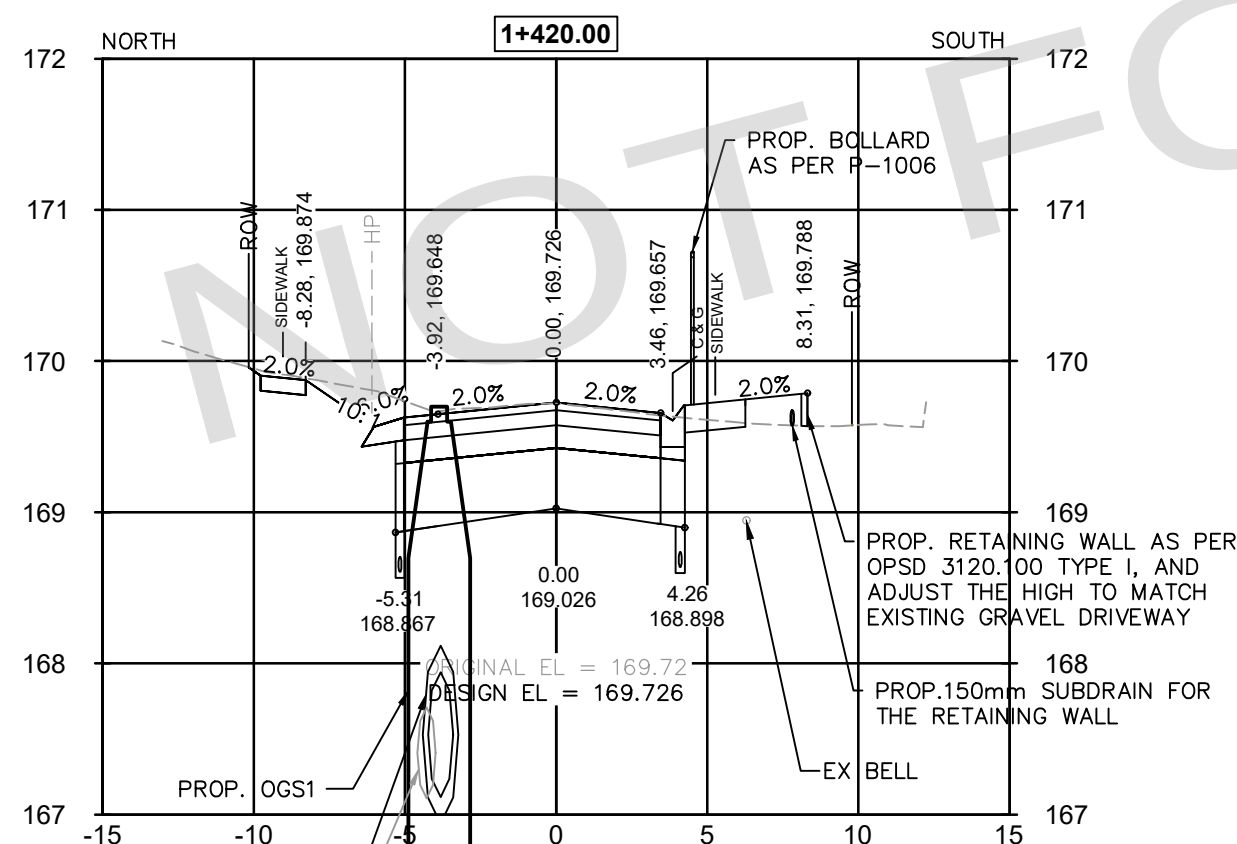
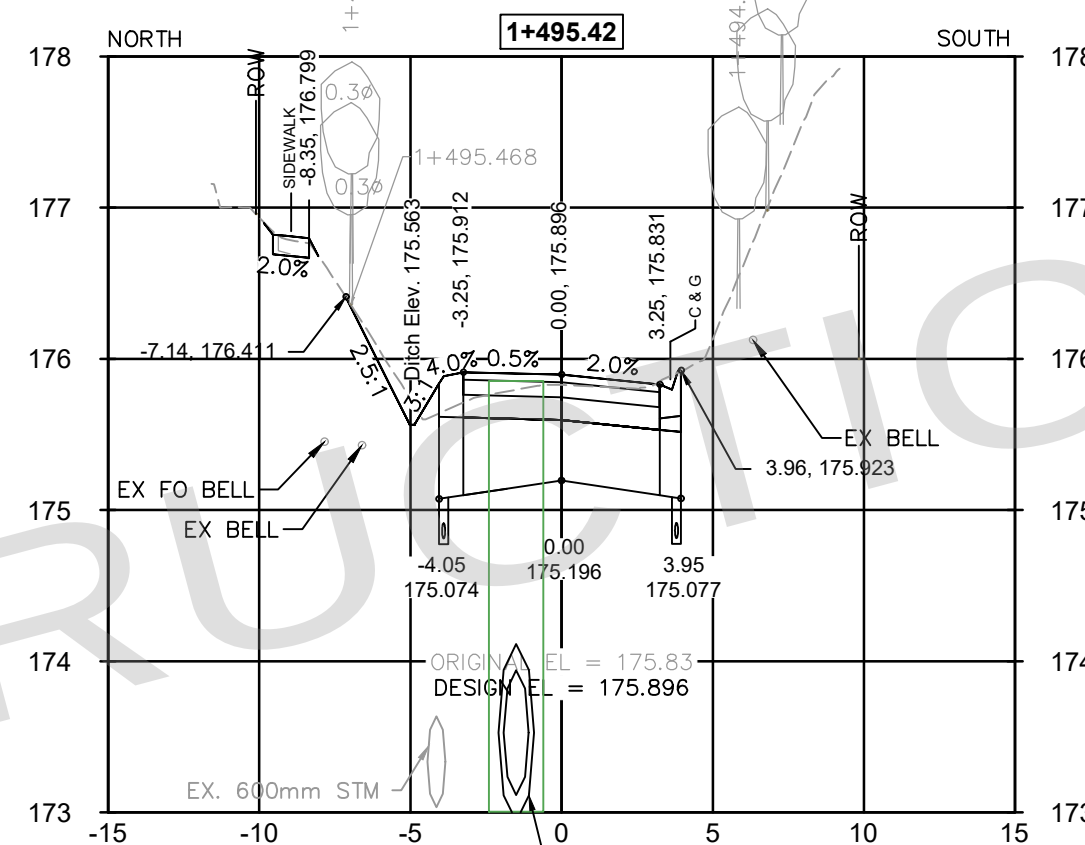
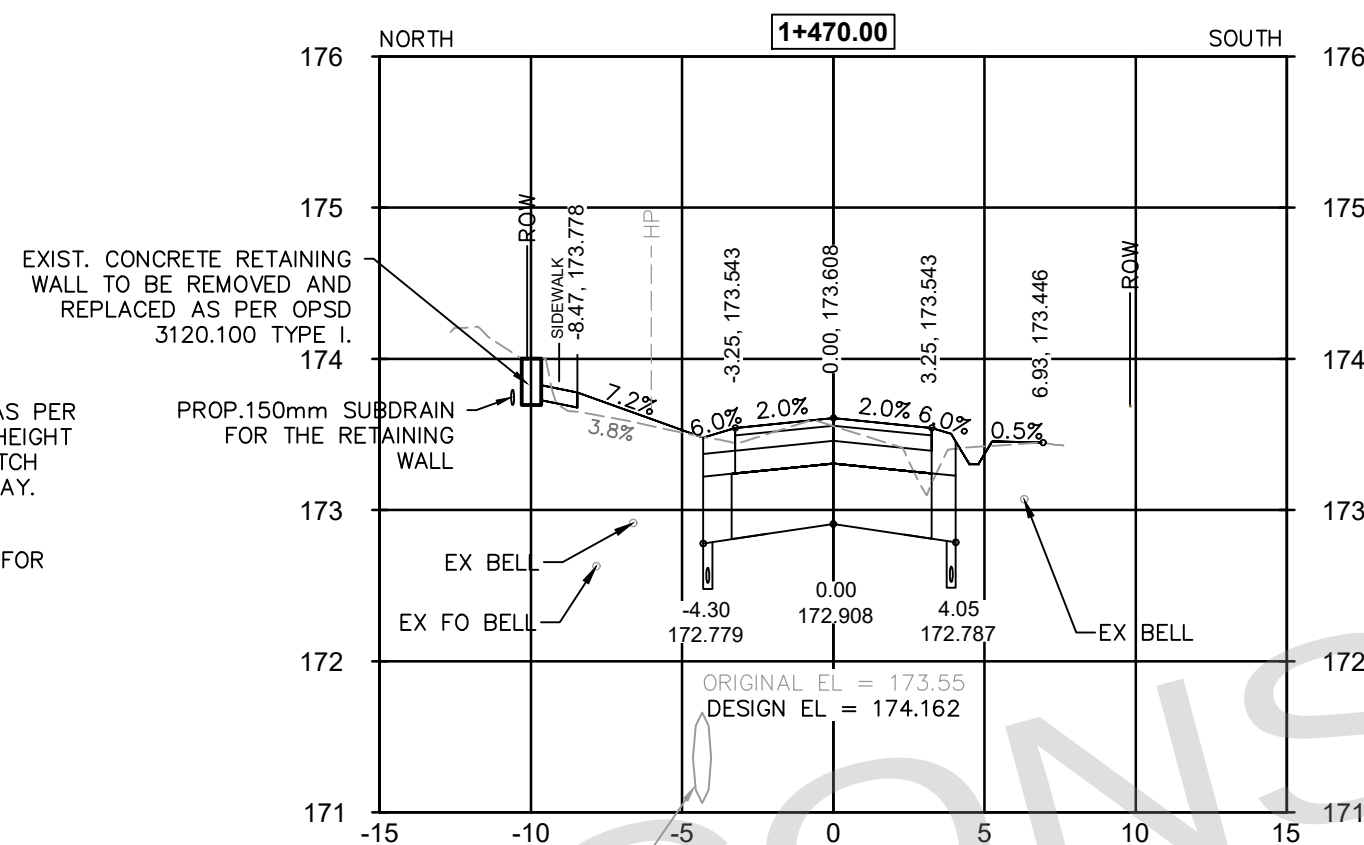
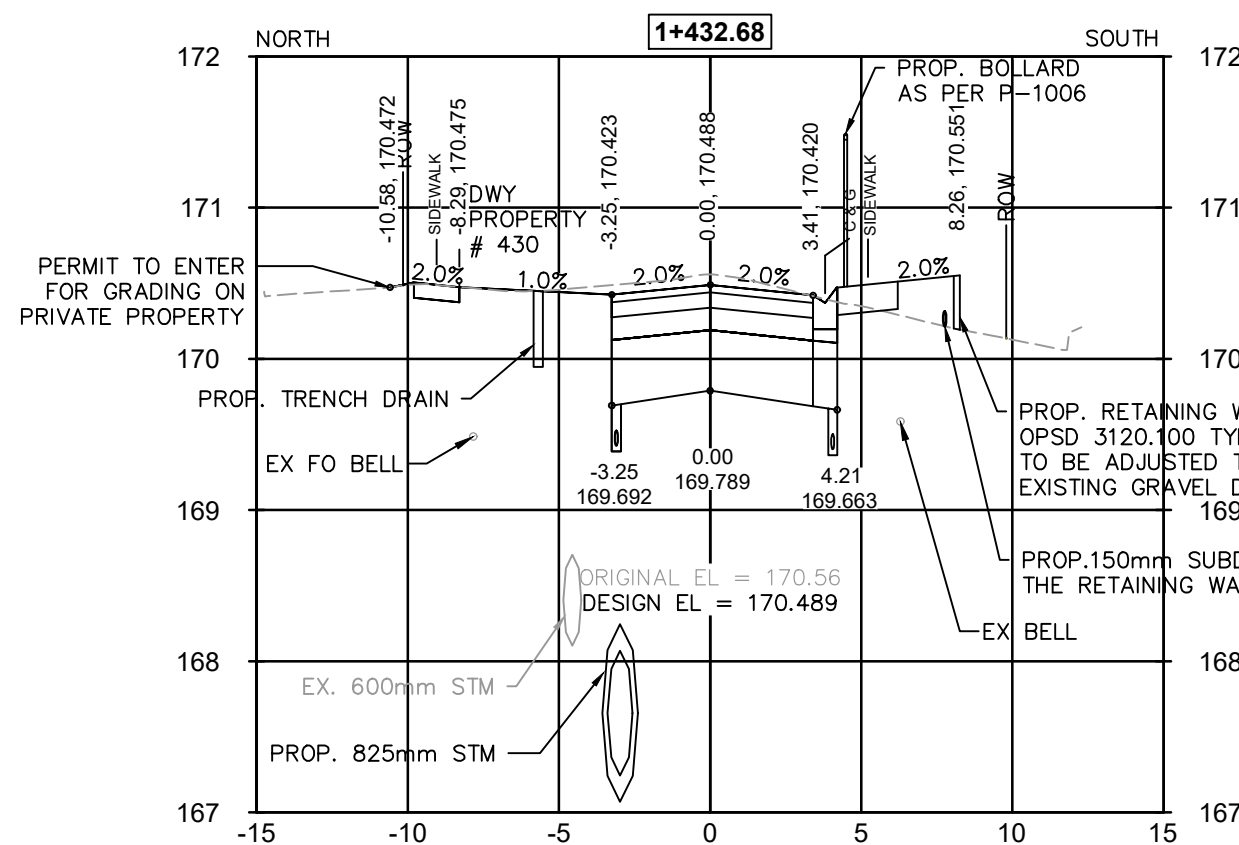
SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	PROFILE SCALE:	

TENDER No. Q2026-25
DRAWING No.
PM-003
SHEET 15 of 48



- NOTES:
- GENERAL
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.



BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

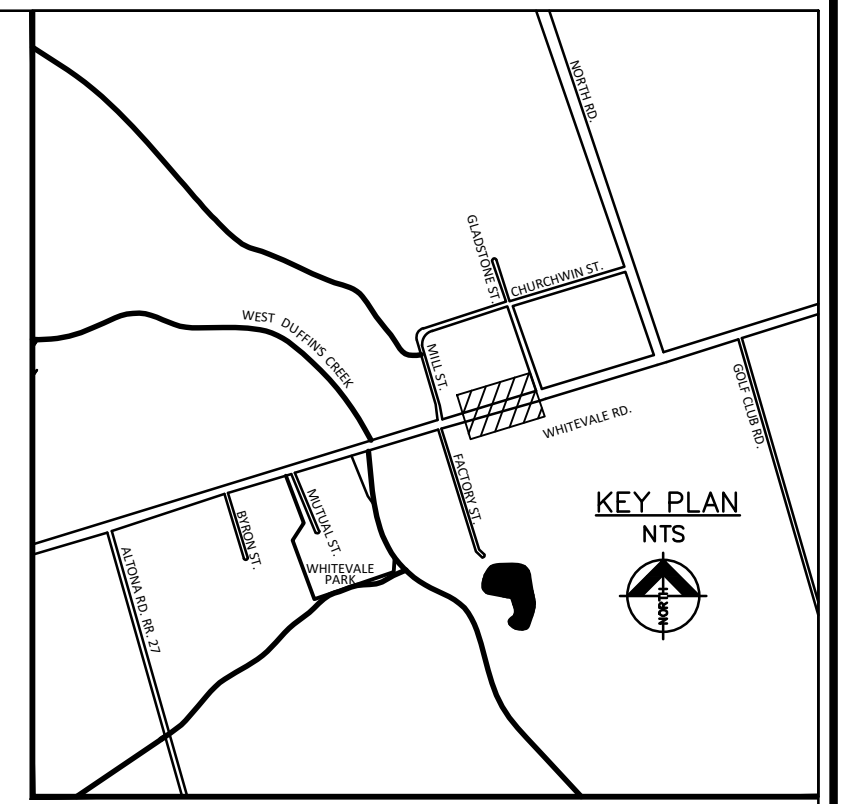
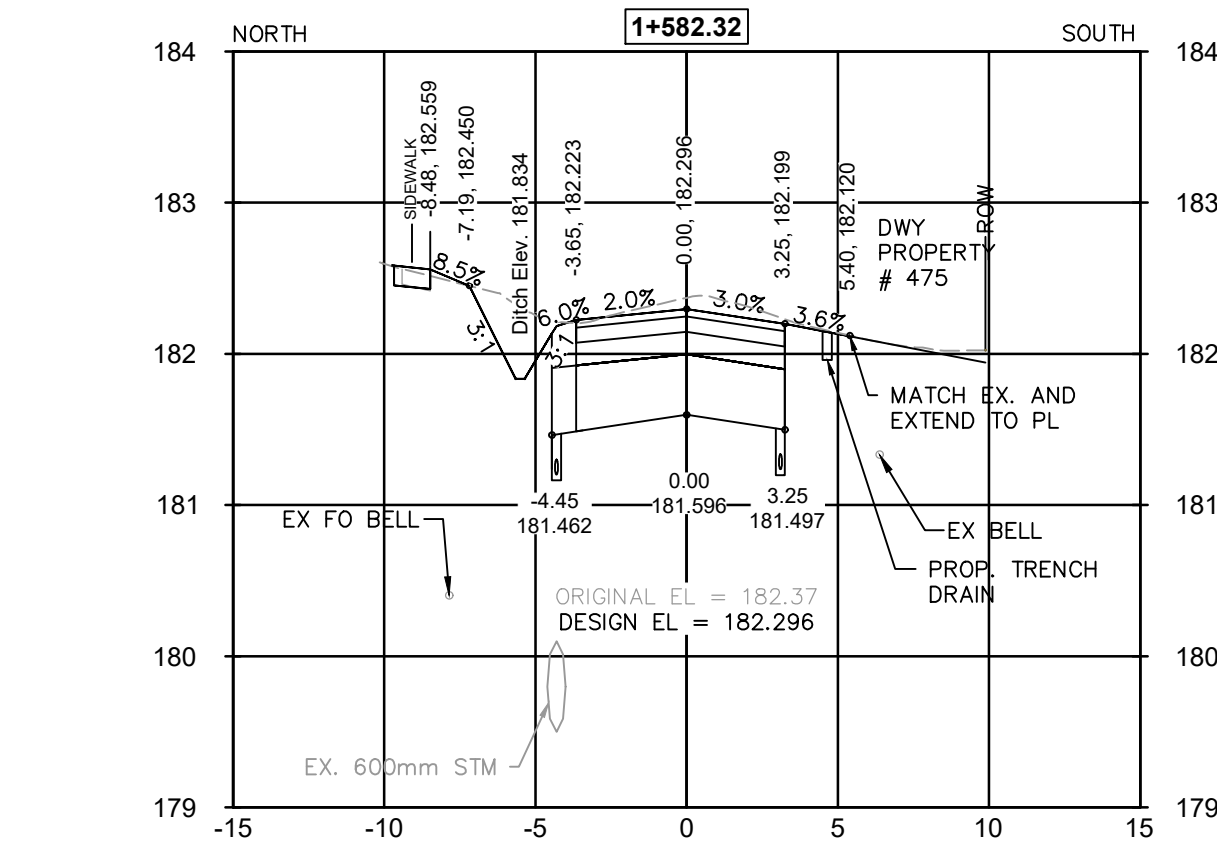
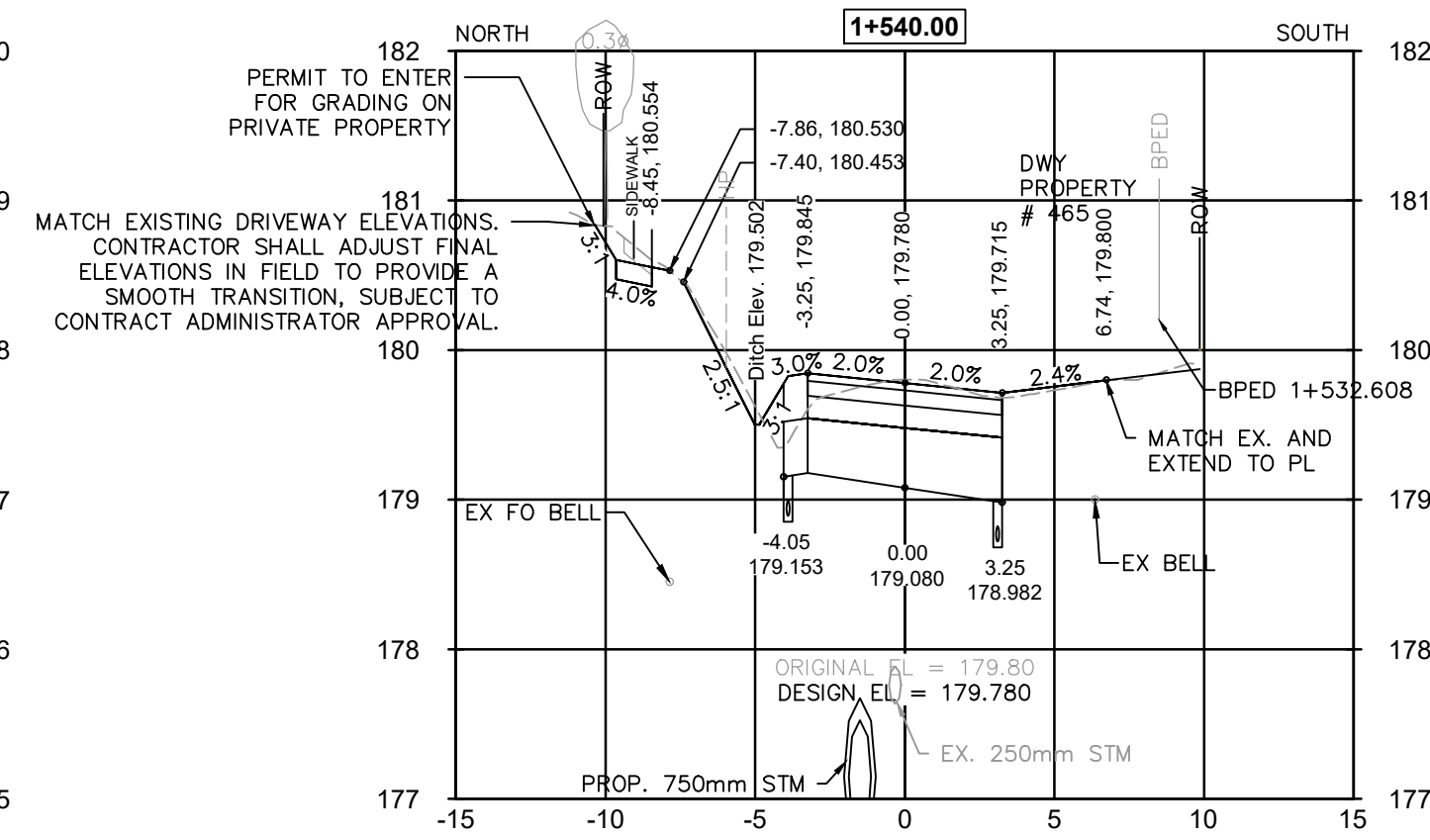
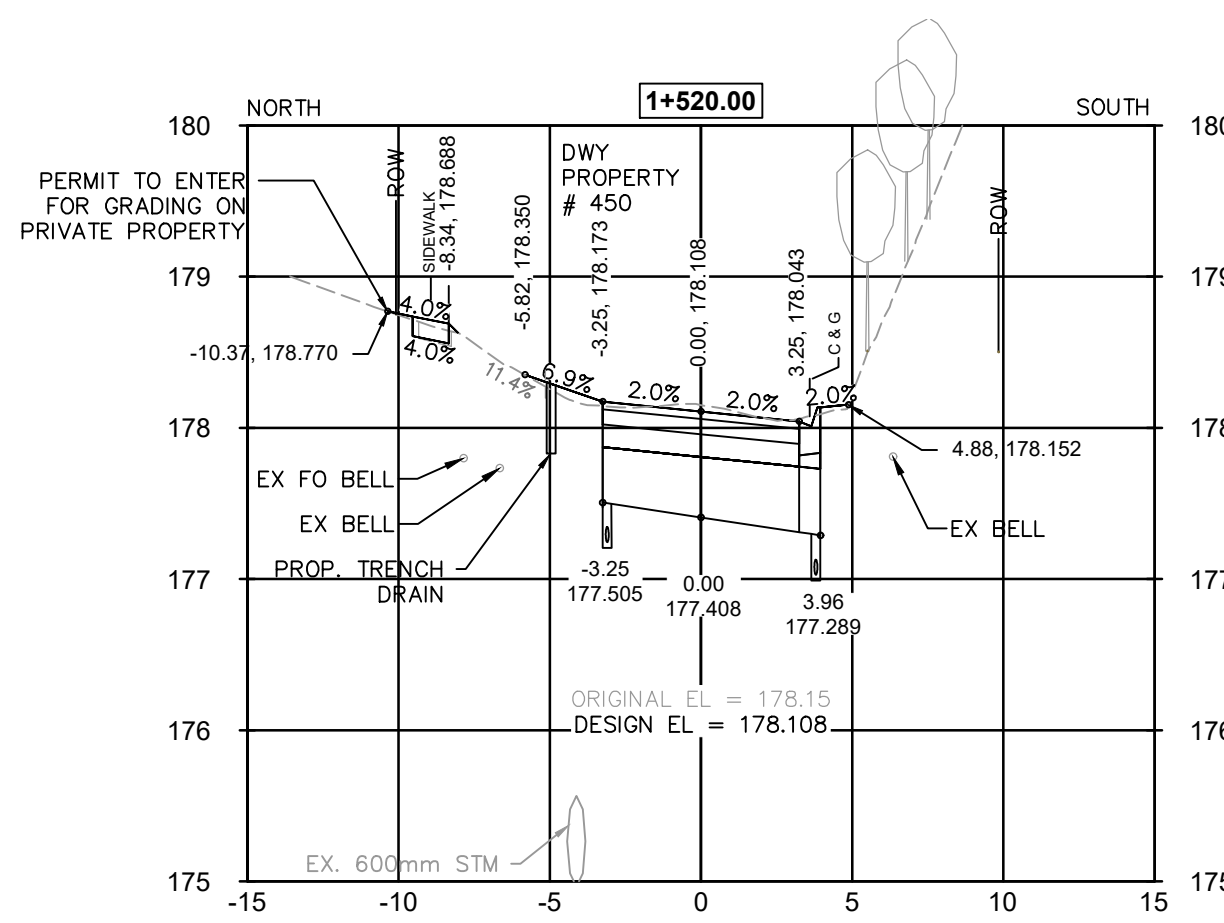
AECOM

PROJECT No. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

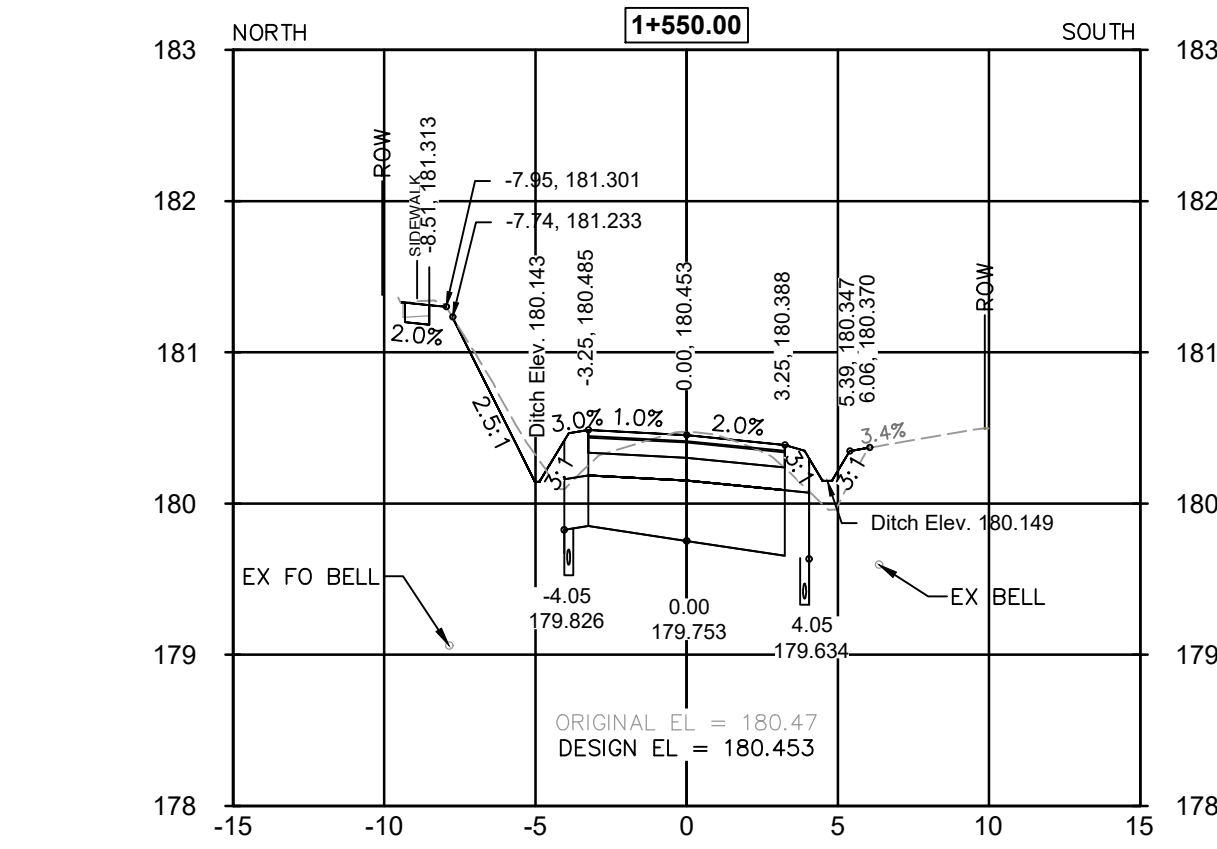
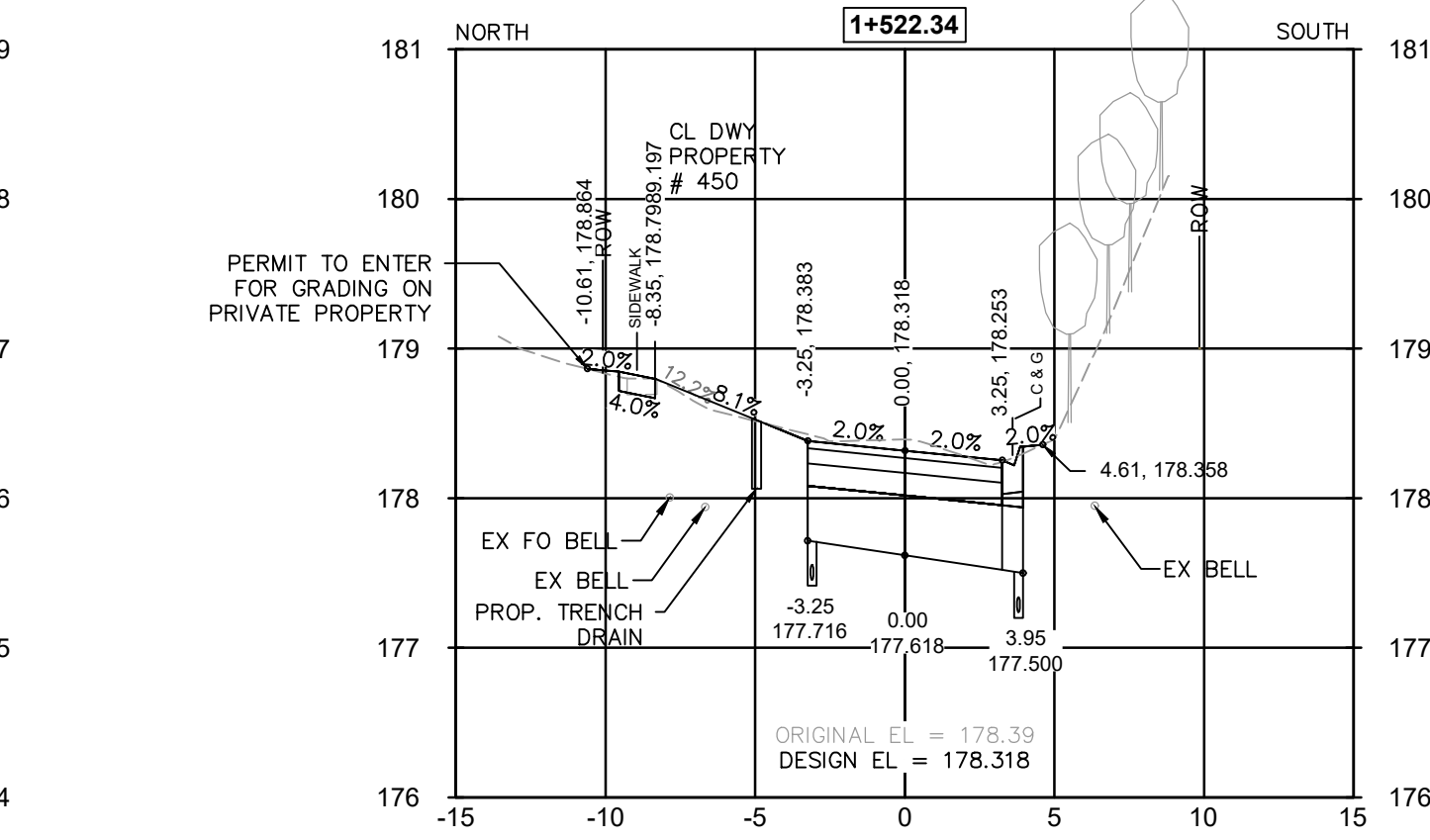
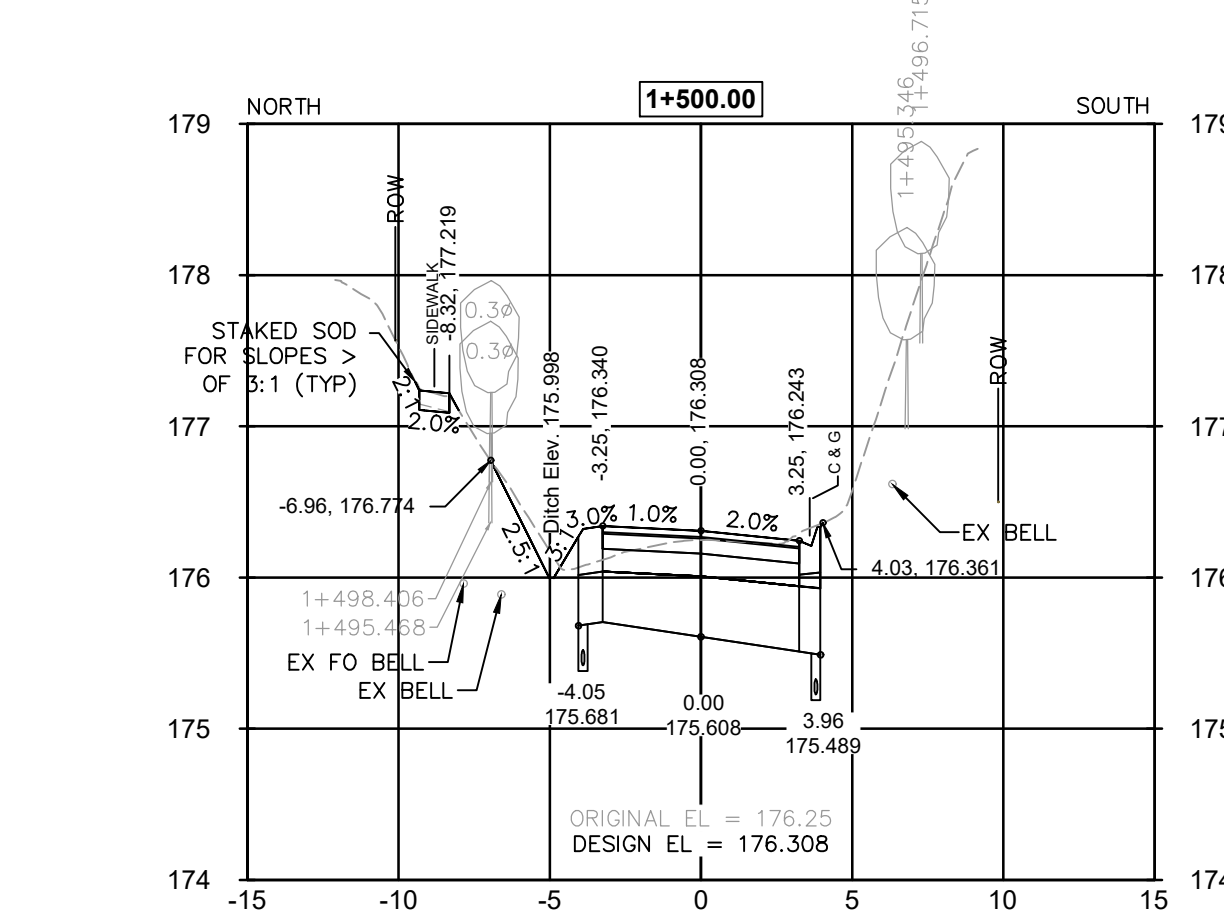
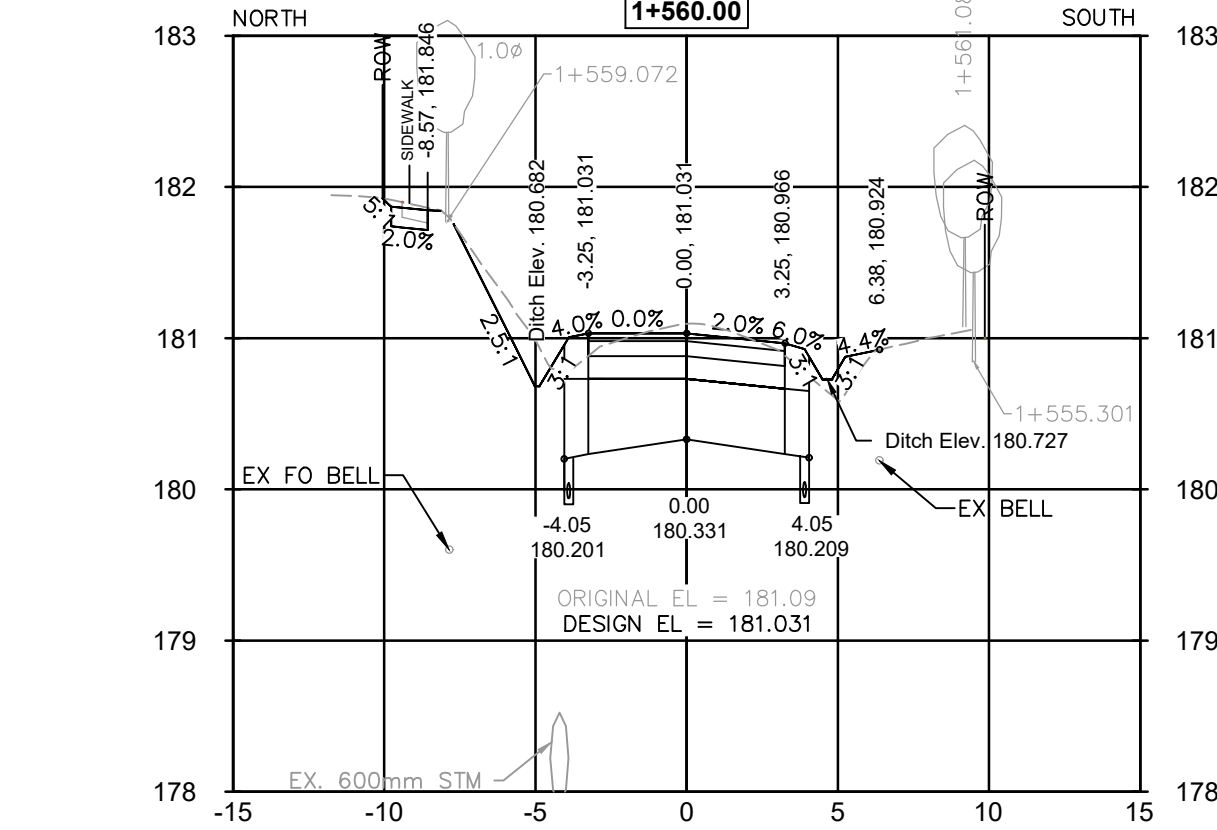
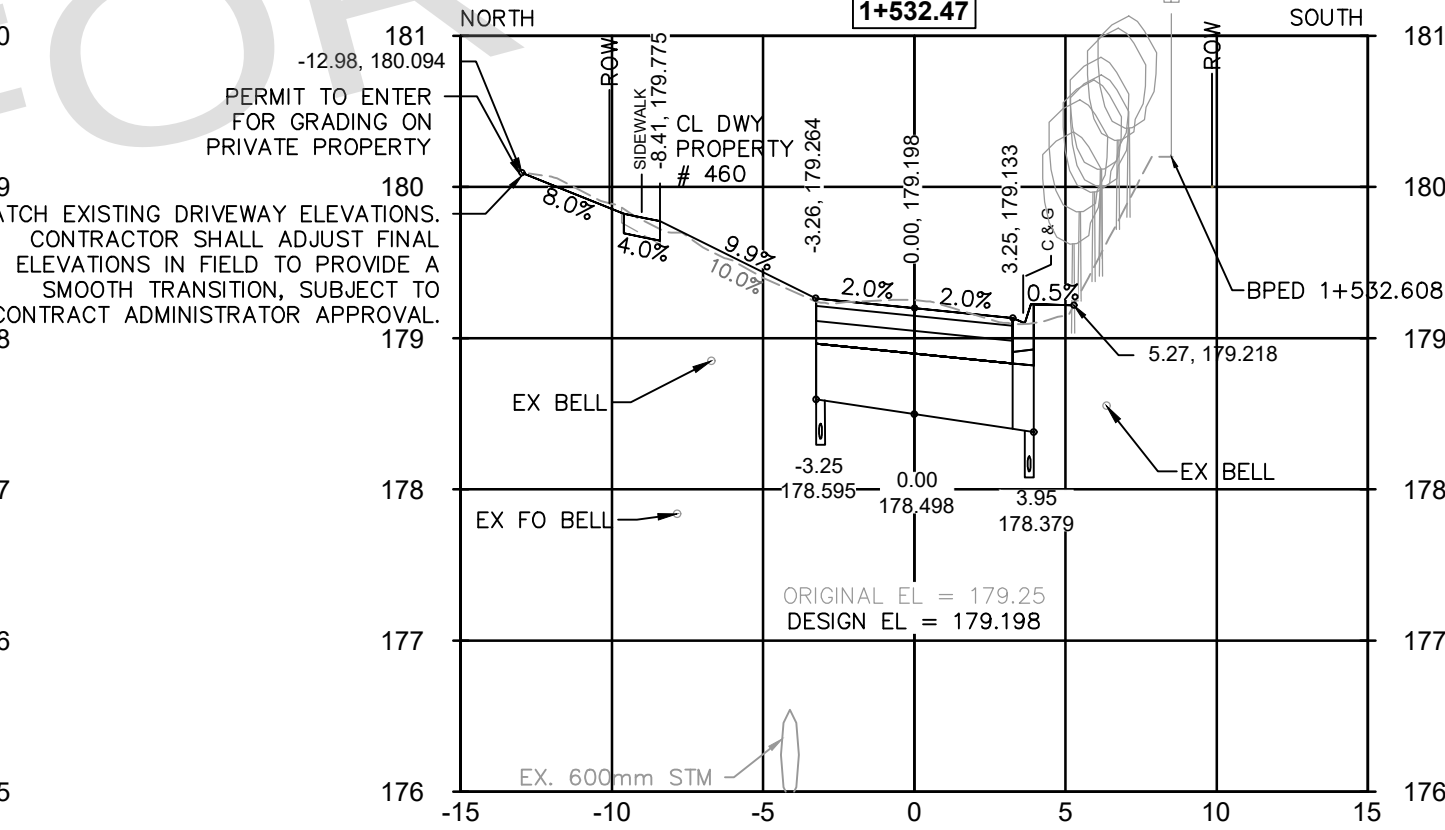
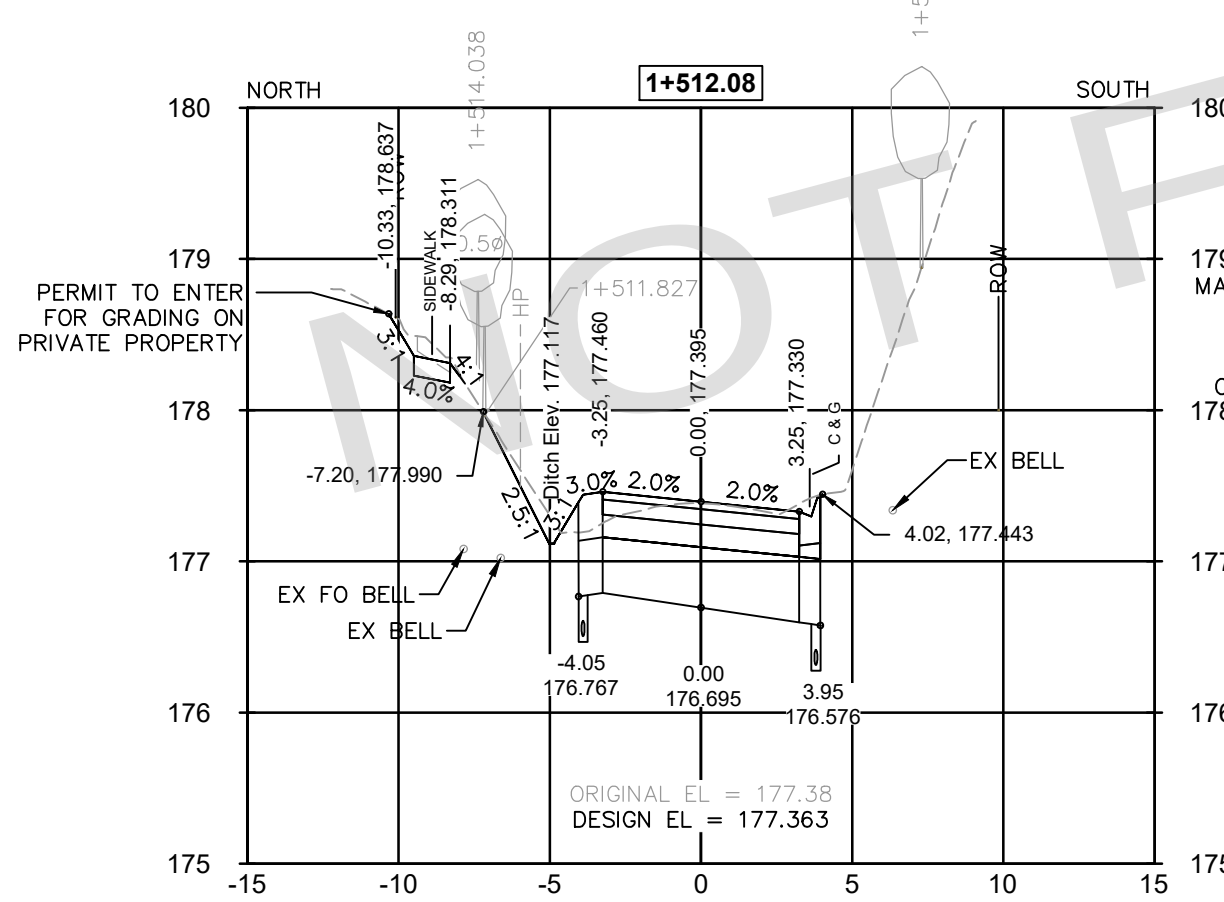
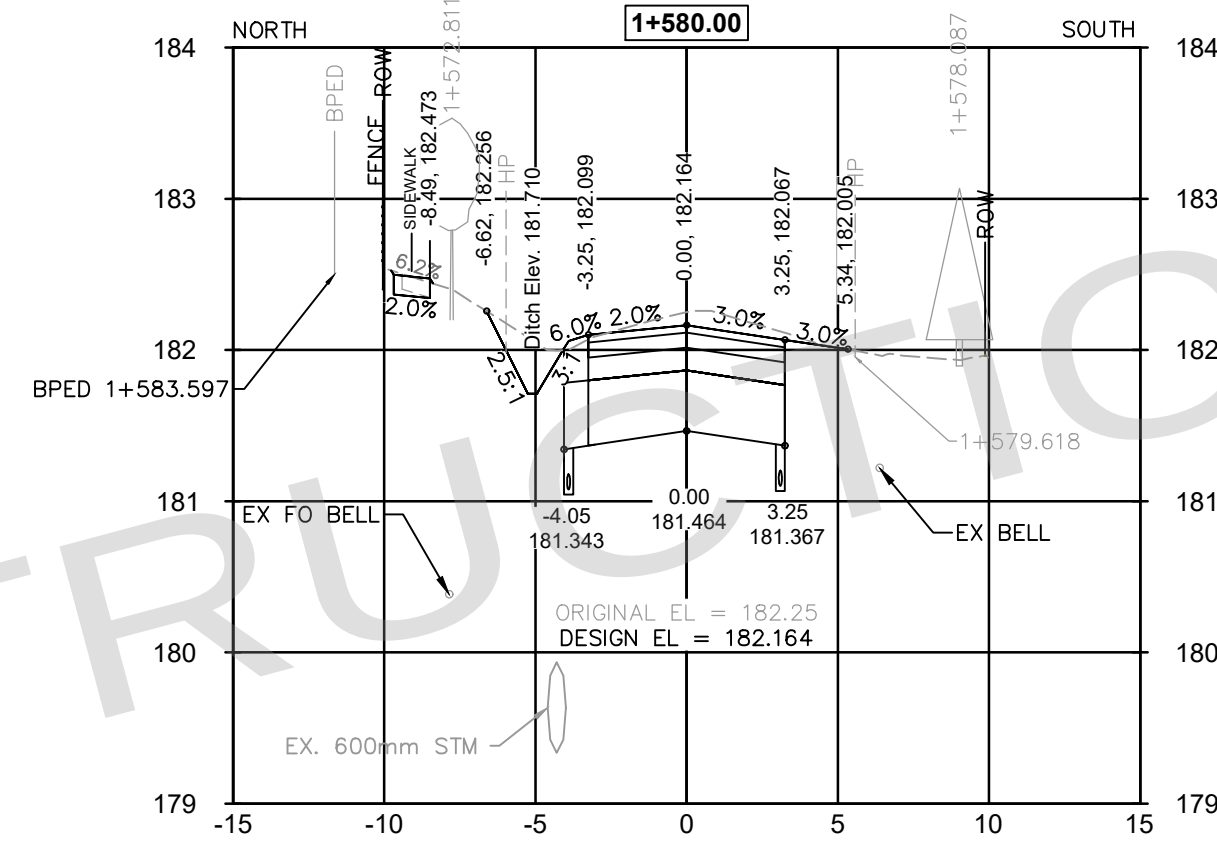
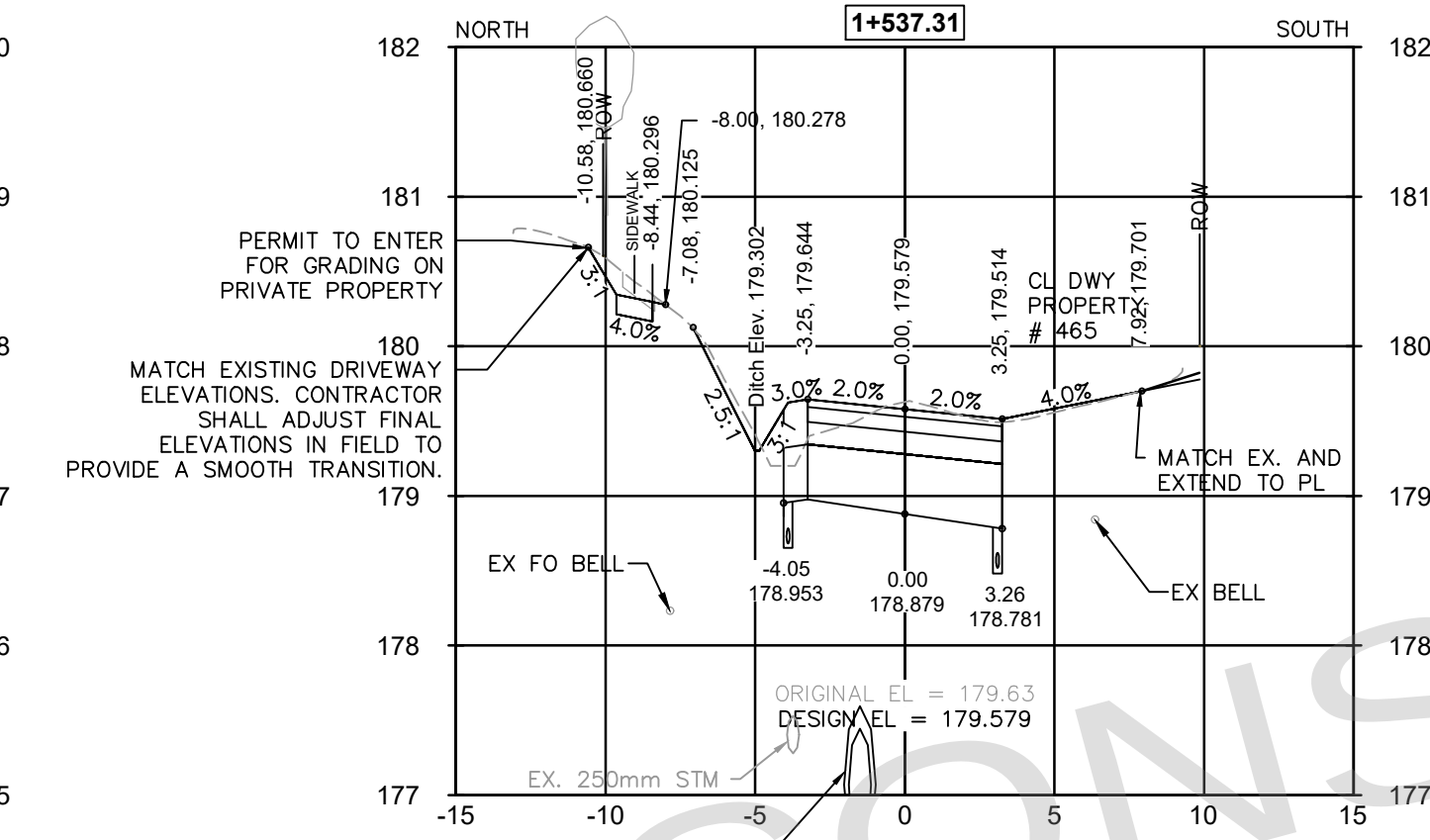
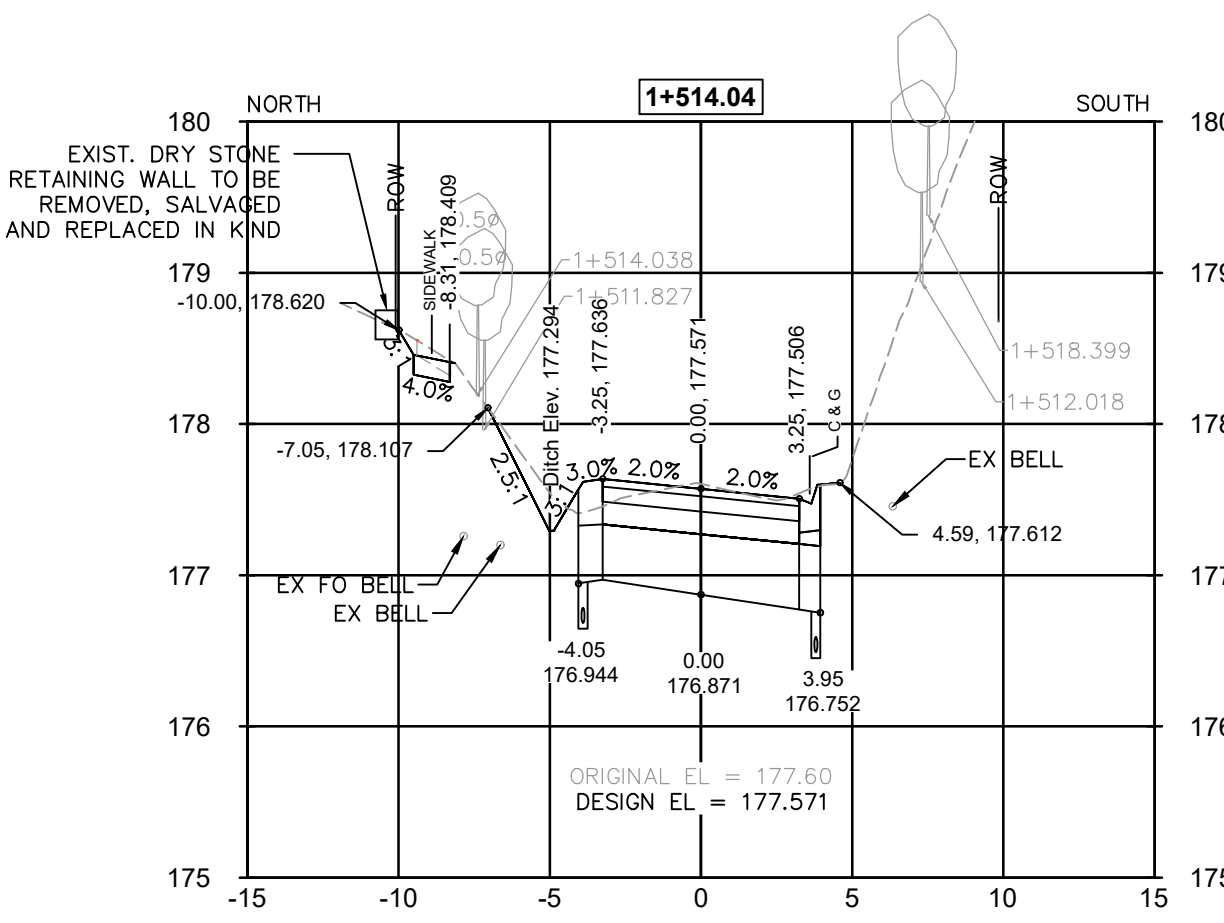
City of
PICKERING

TITLE WHITEVALE ROAD CROSS SECTIONS STA. 1+400.00 TO STA. 1+498.37	
SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL, 2025
DESIGN BY: SR-AS & PM	DATE: JUL, 2025
PLAN SCALE: H 1:250 V 1:50	PROFILE SCALE:
TENDER No. Q2026-25	
DRAWING No. XS-001	SHEET 16 of 48



- NOTES:**
- GENERAL**
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.



BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2011) UTM ZONE 17

AECOM
PROJECT No. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

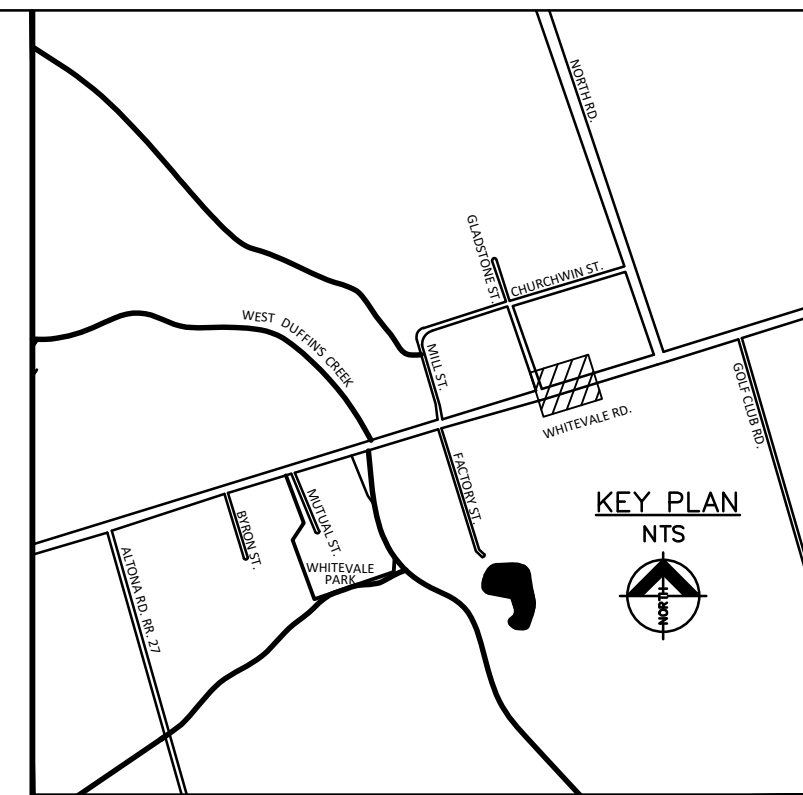
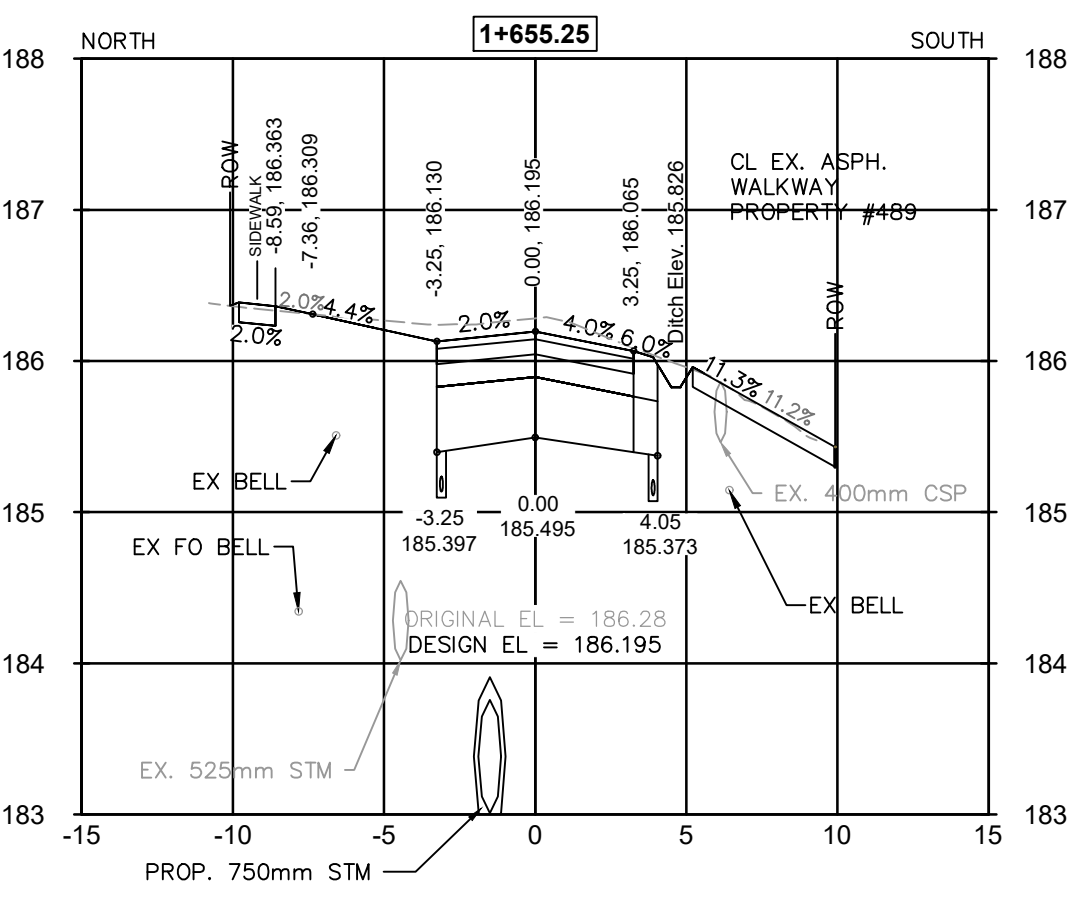
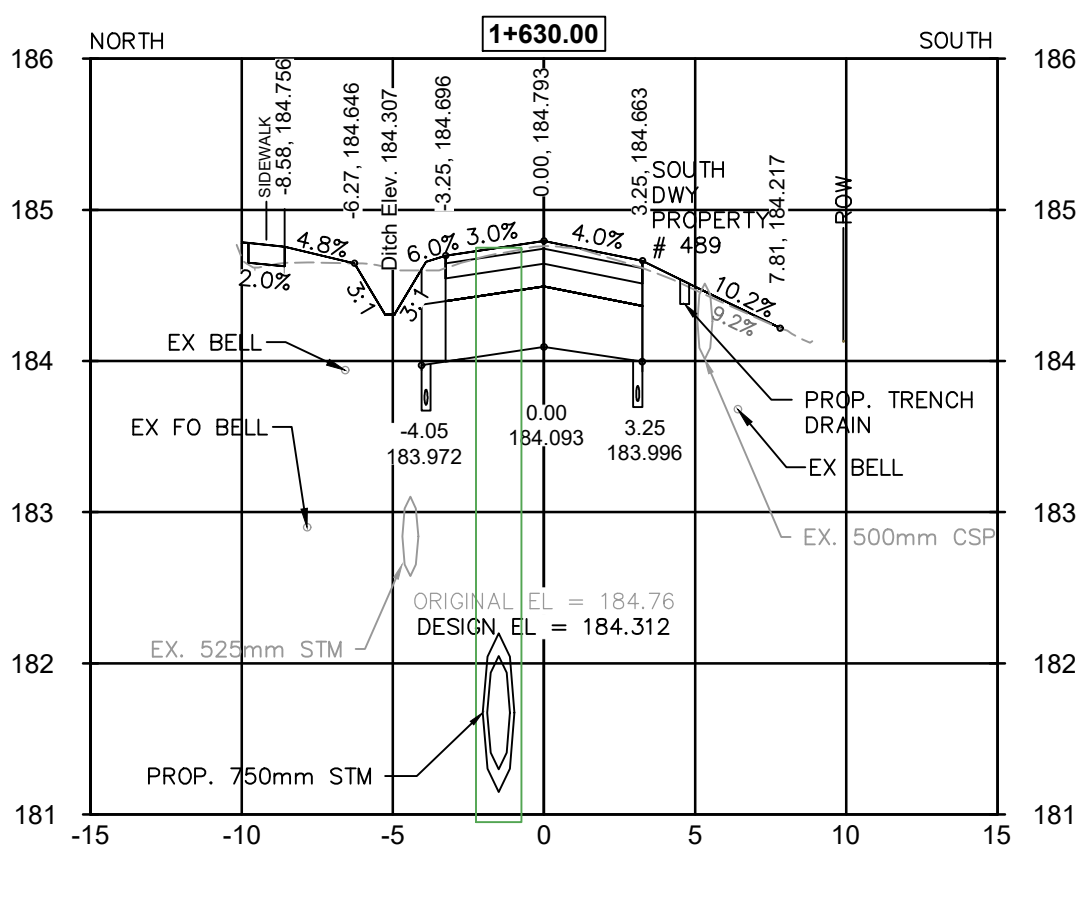
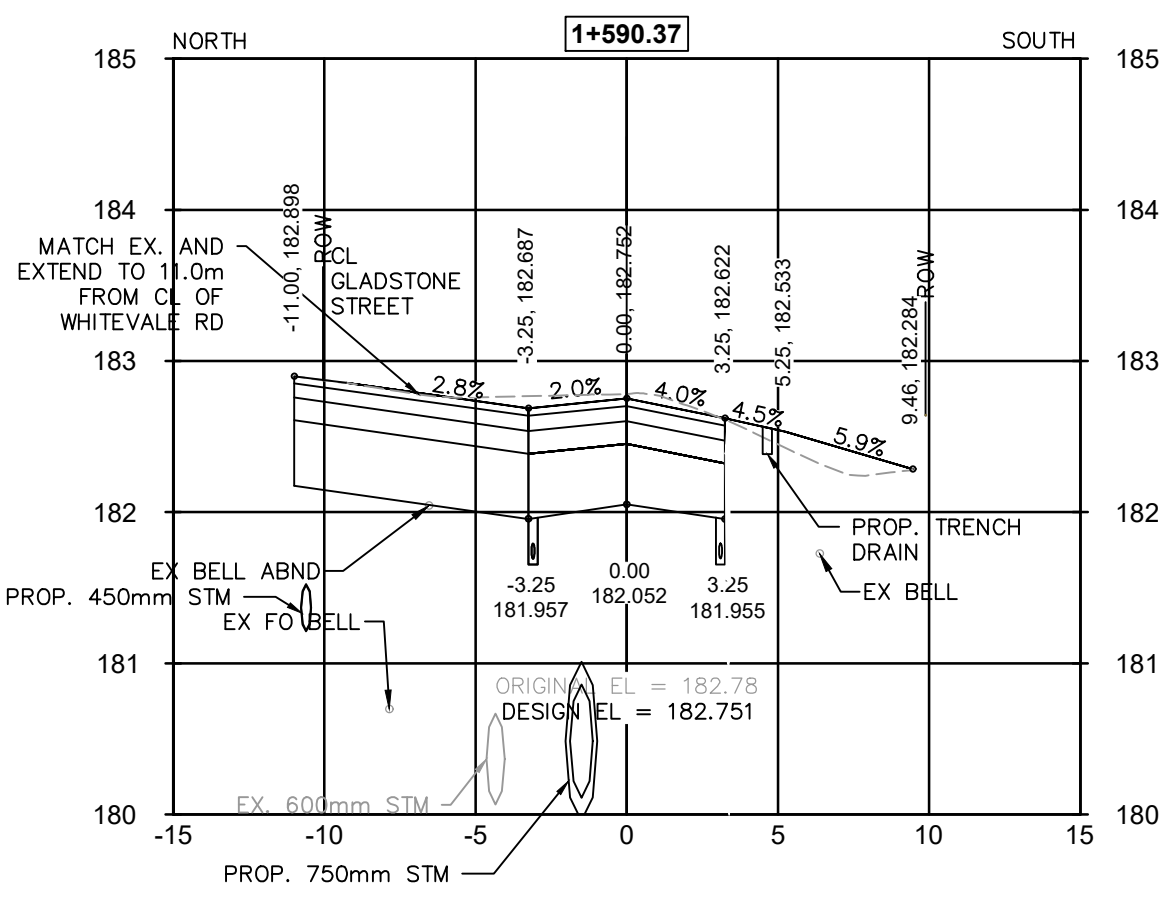
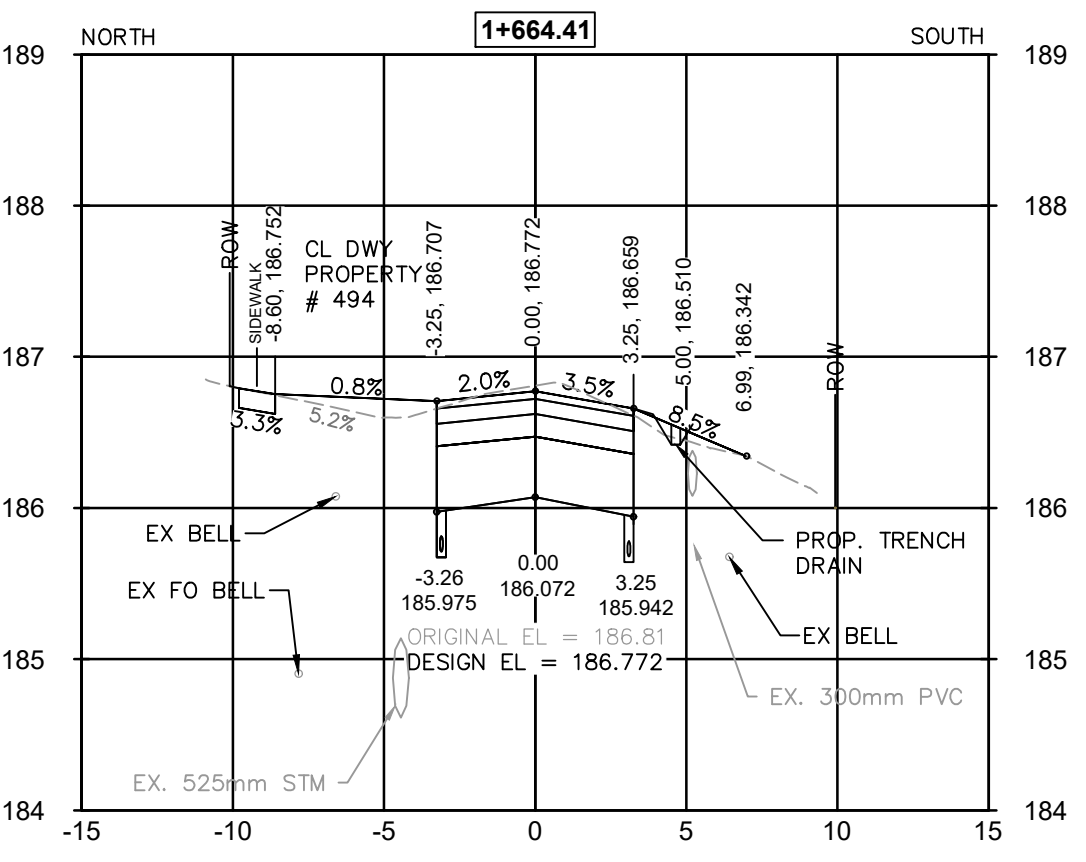
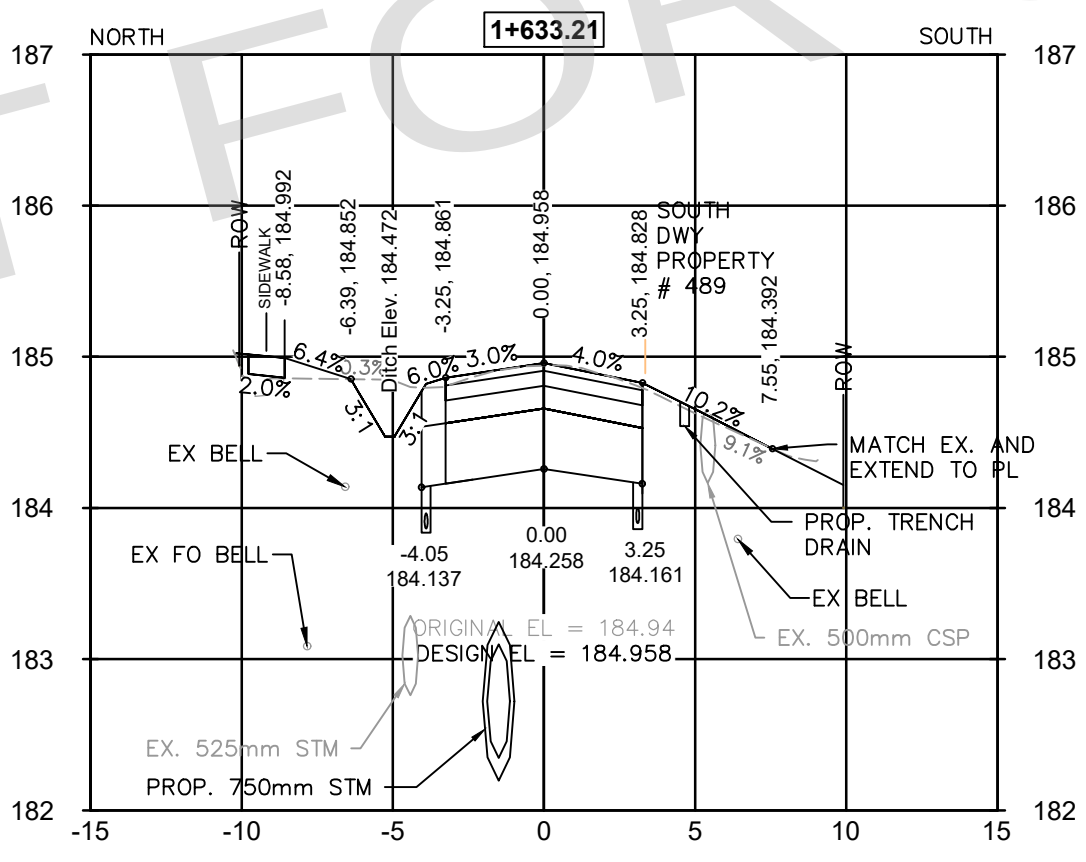
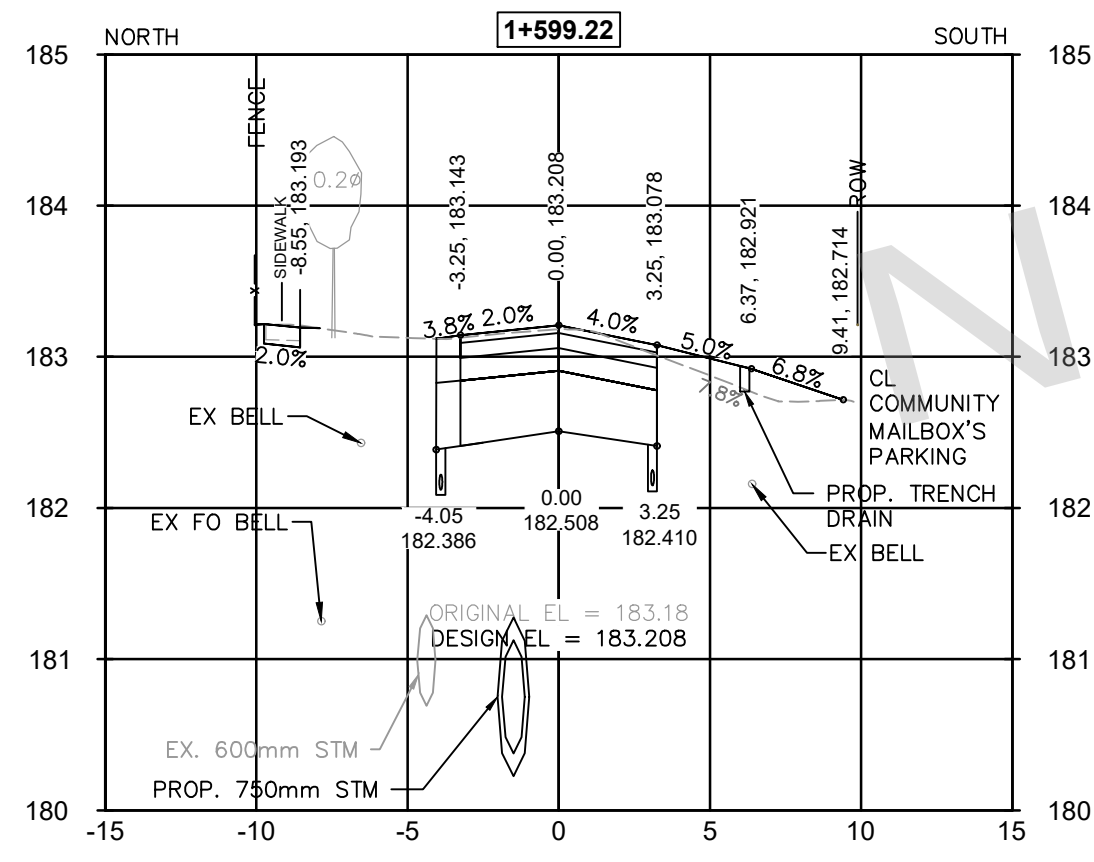
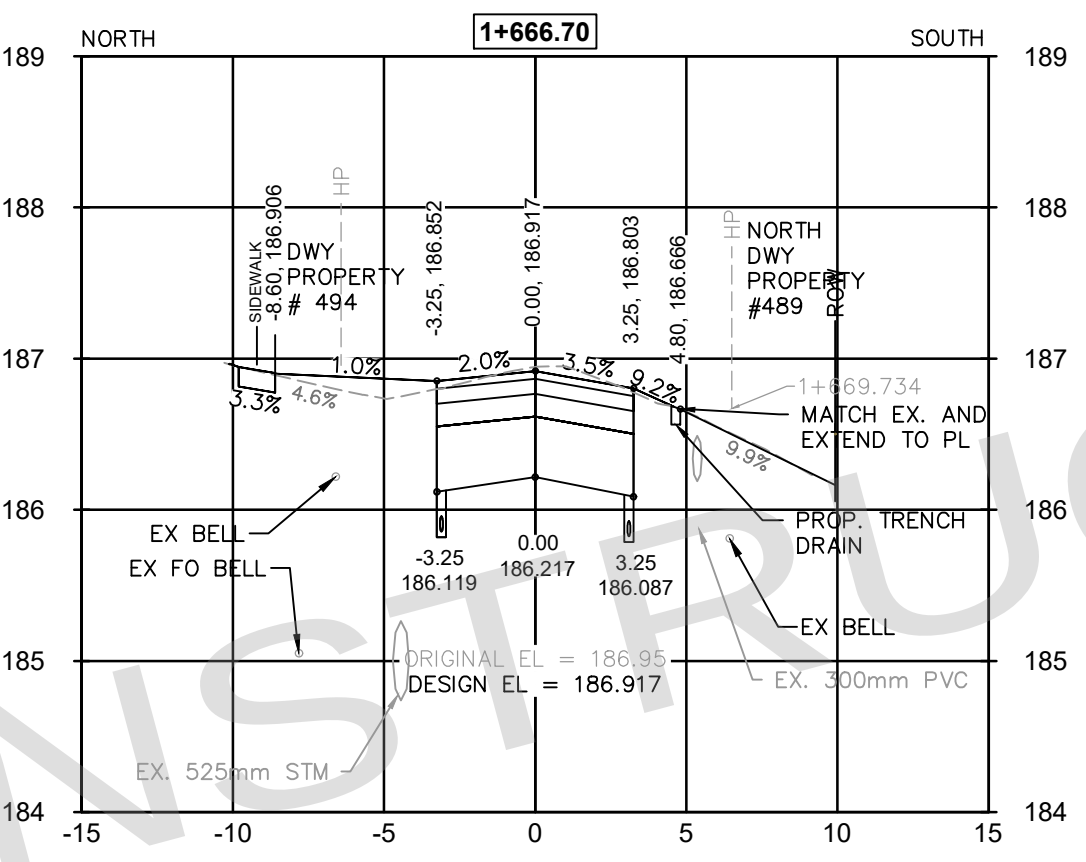
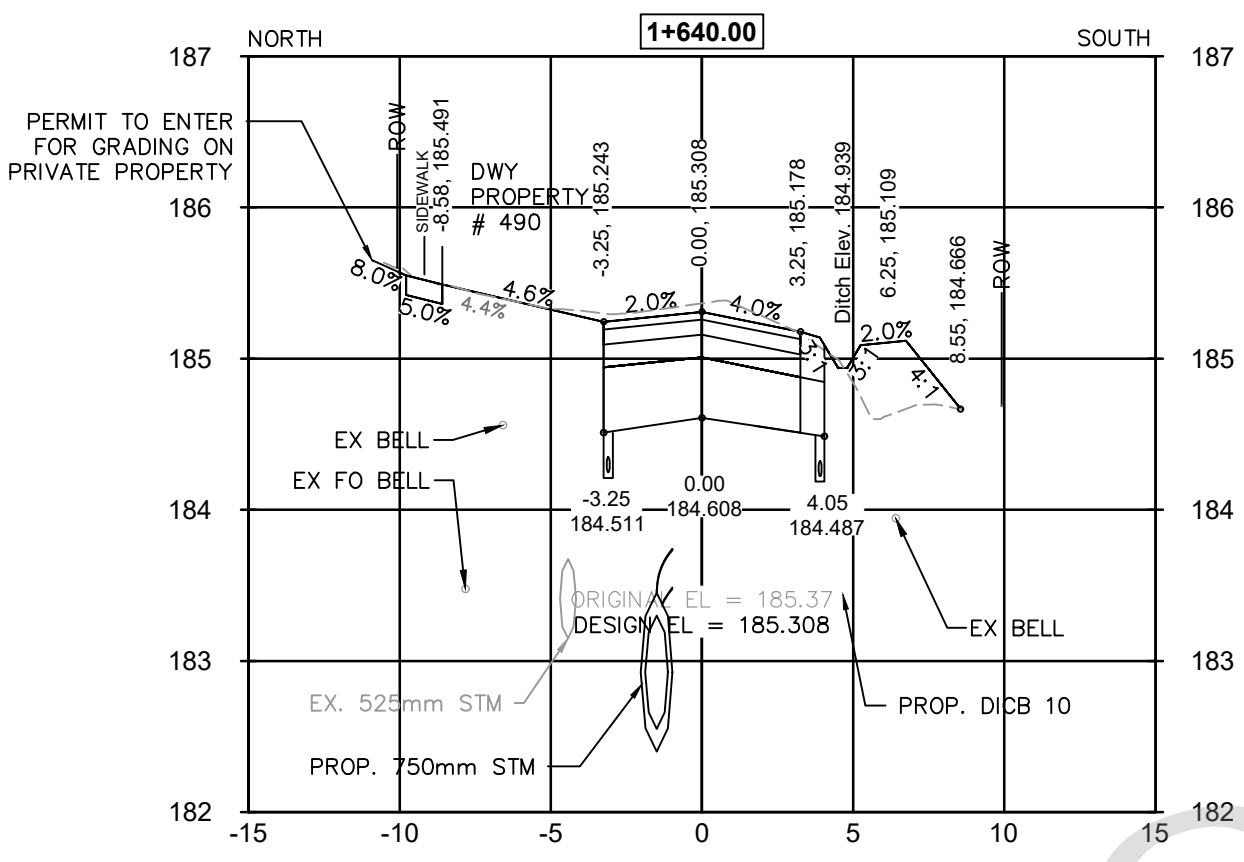
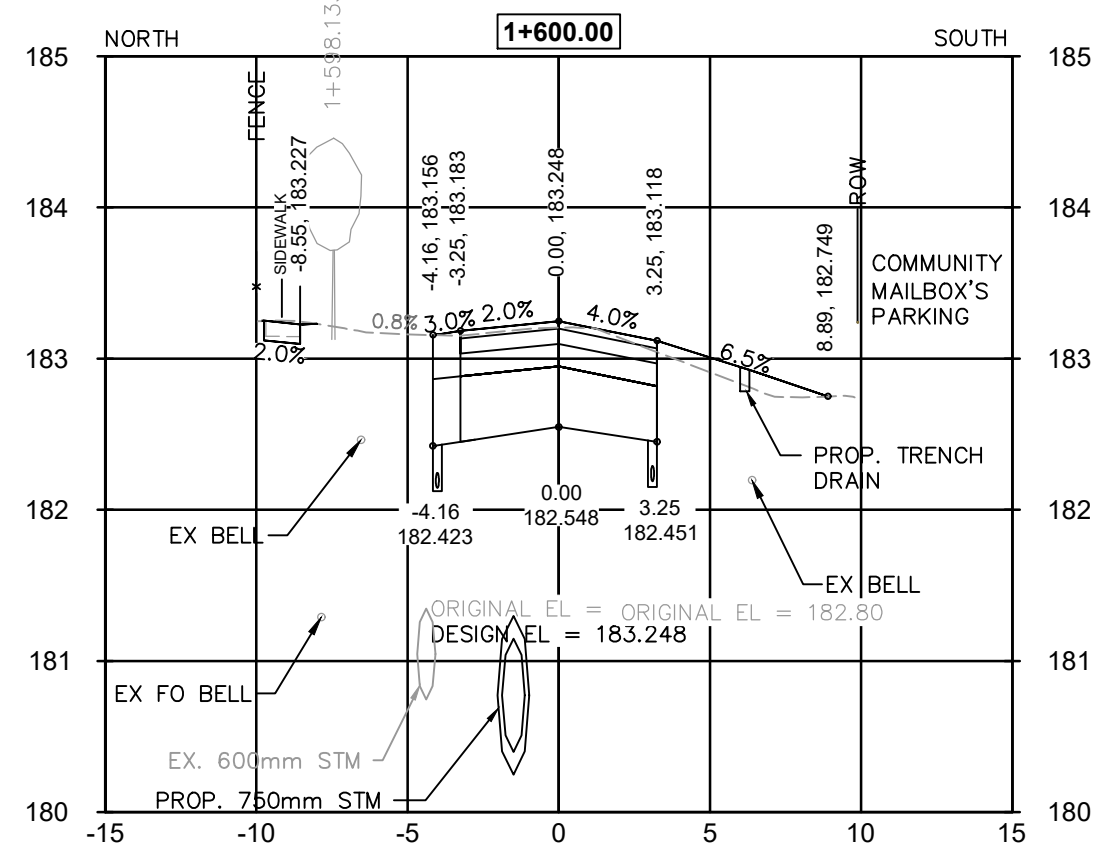
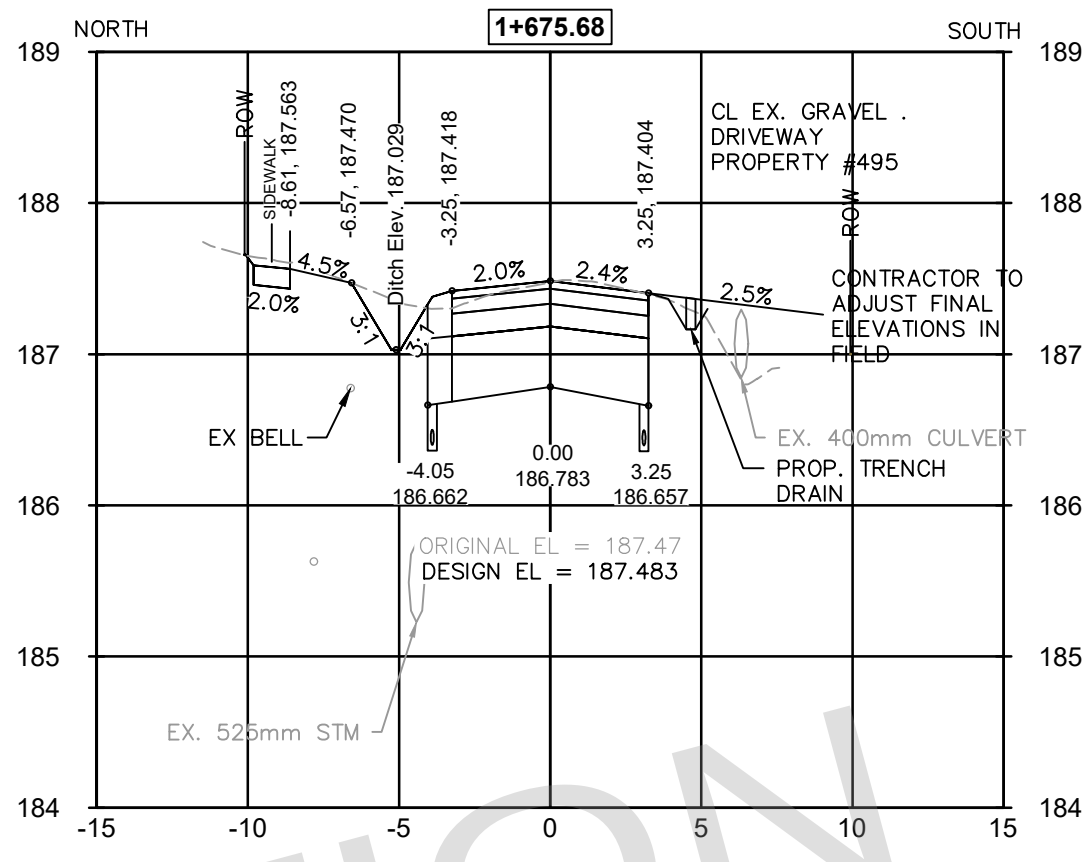
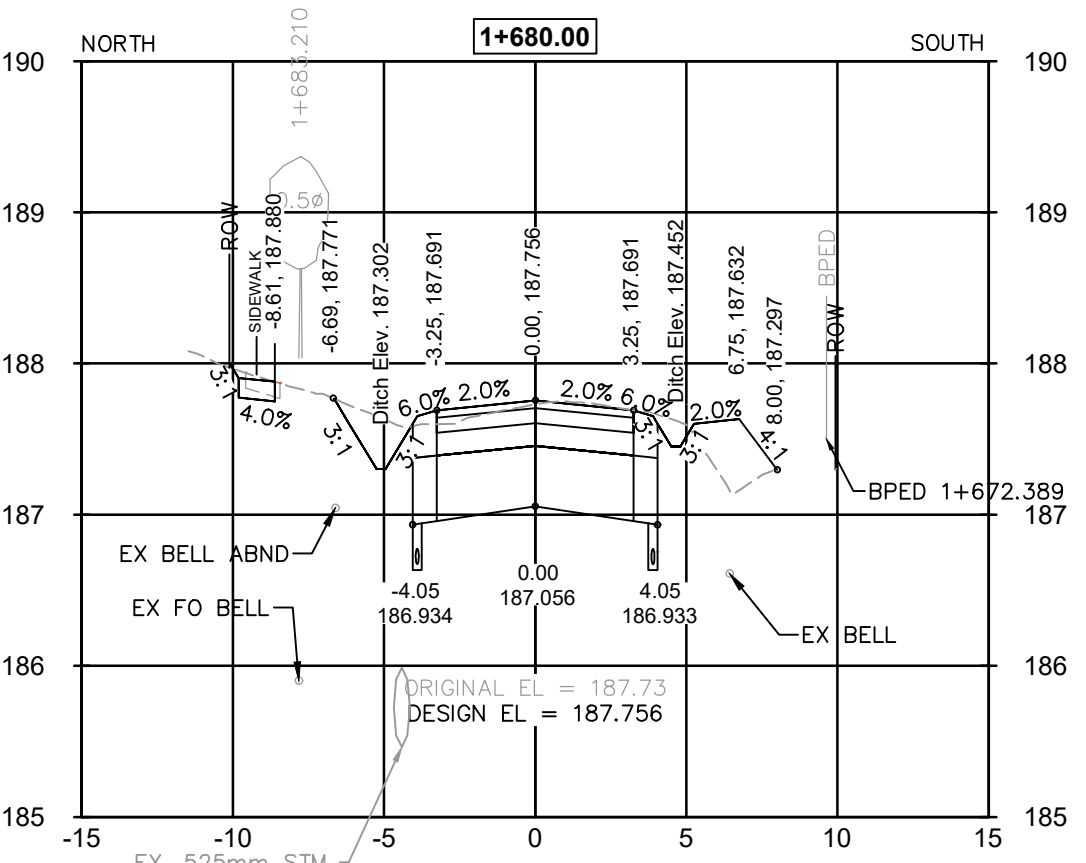
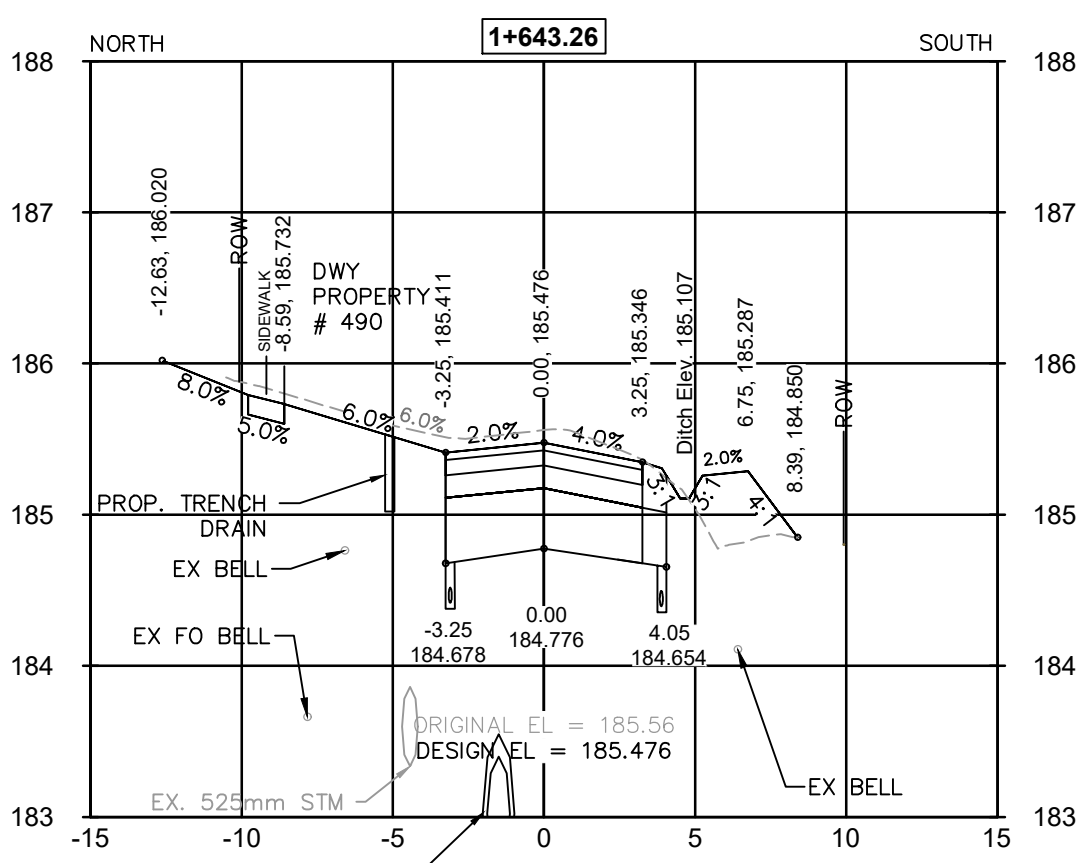
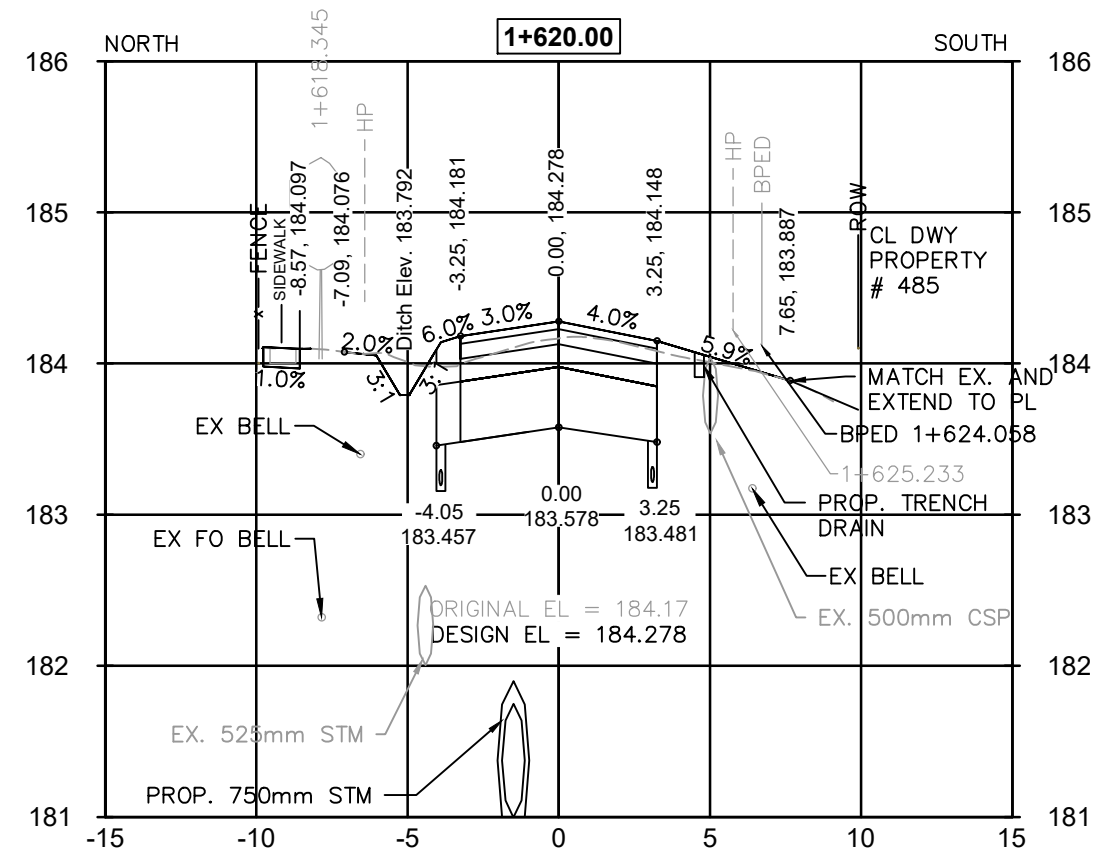
City of PICKERING

WHITEVALE ROAD CROSS SECTIONS STA. 1+500.00 TO STA. 1+582.32

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	H 1:250 V 1:50	PROFILE SCALE:	

TENDER No. Q2026-25

DRAWING No.	XS-002	SHEET 17 of 48
-------------	--------	----------------



- NOTES:**
- GENERAL**
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.
- TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSITOR SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSITOR/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS) (2011) UTM ZONE 17

AECOM
PROJECT No. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

City of PICKERING

TITLE
WHITEVALE ROAD
CROSS SECTIONS
STA. 1+590.37 TO STA. 1+680.00

SURVEY BY:	DATE:
IBW SURVEYORS	2018/05/03

DRAWN BY:	DATE:
SR	JUL, 2025

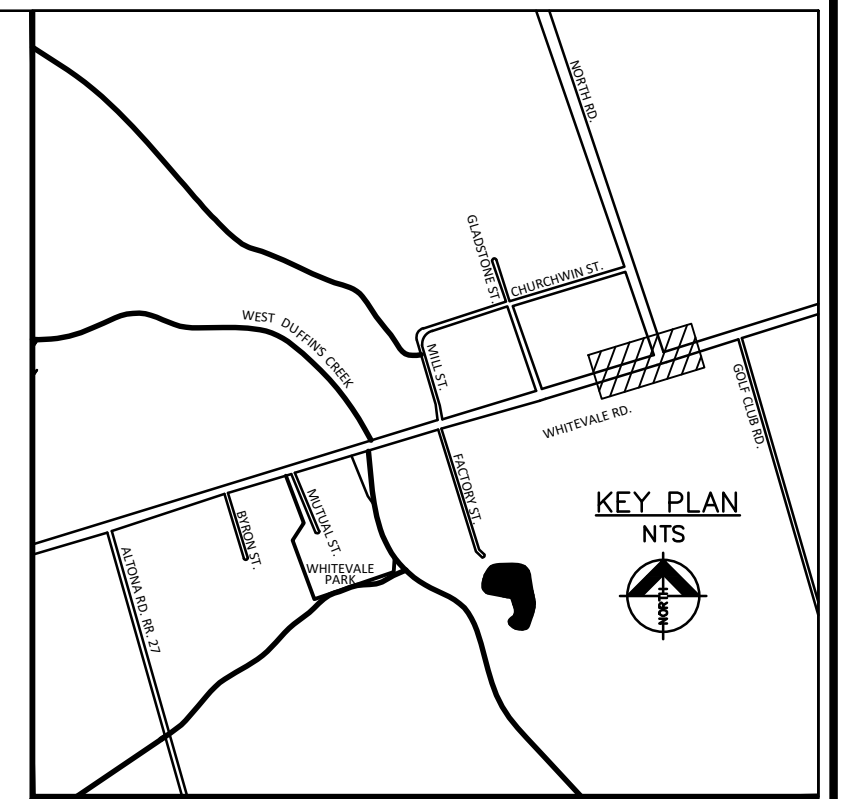
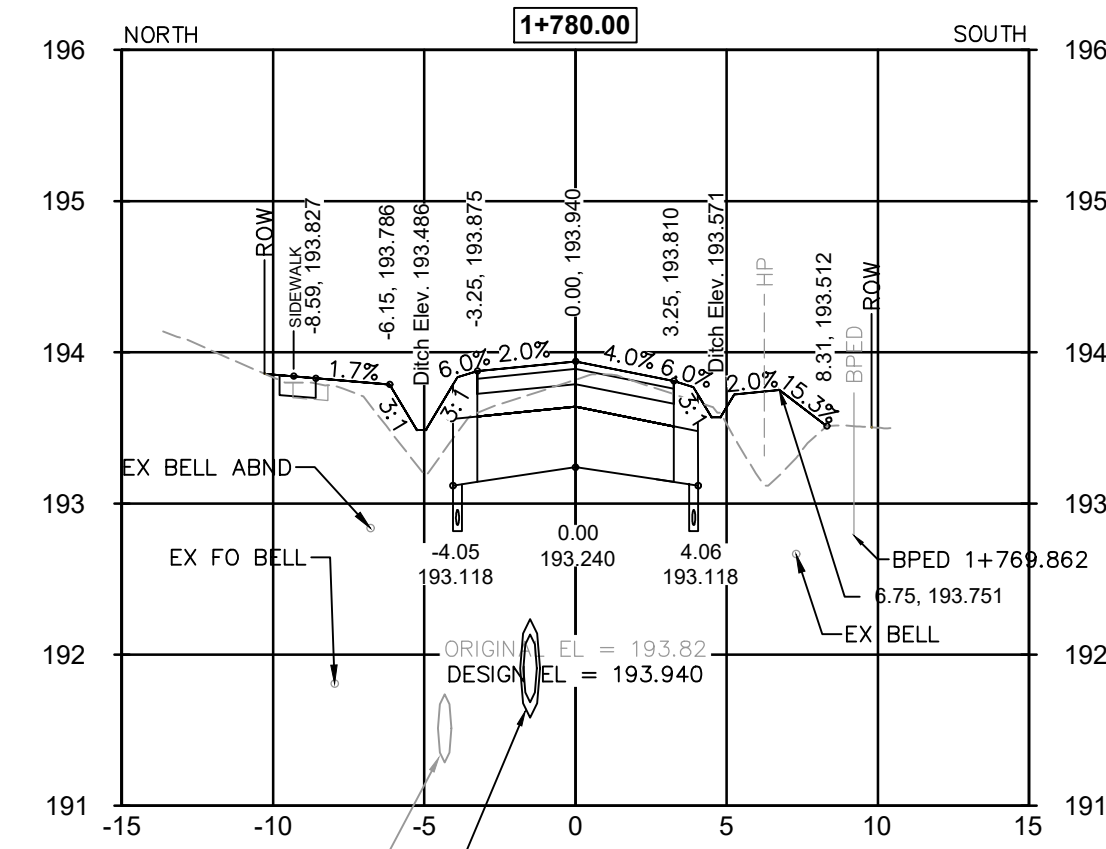
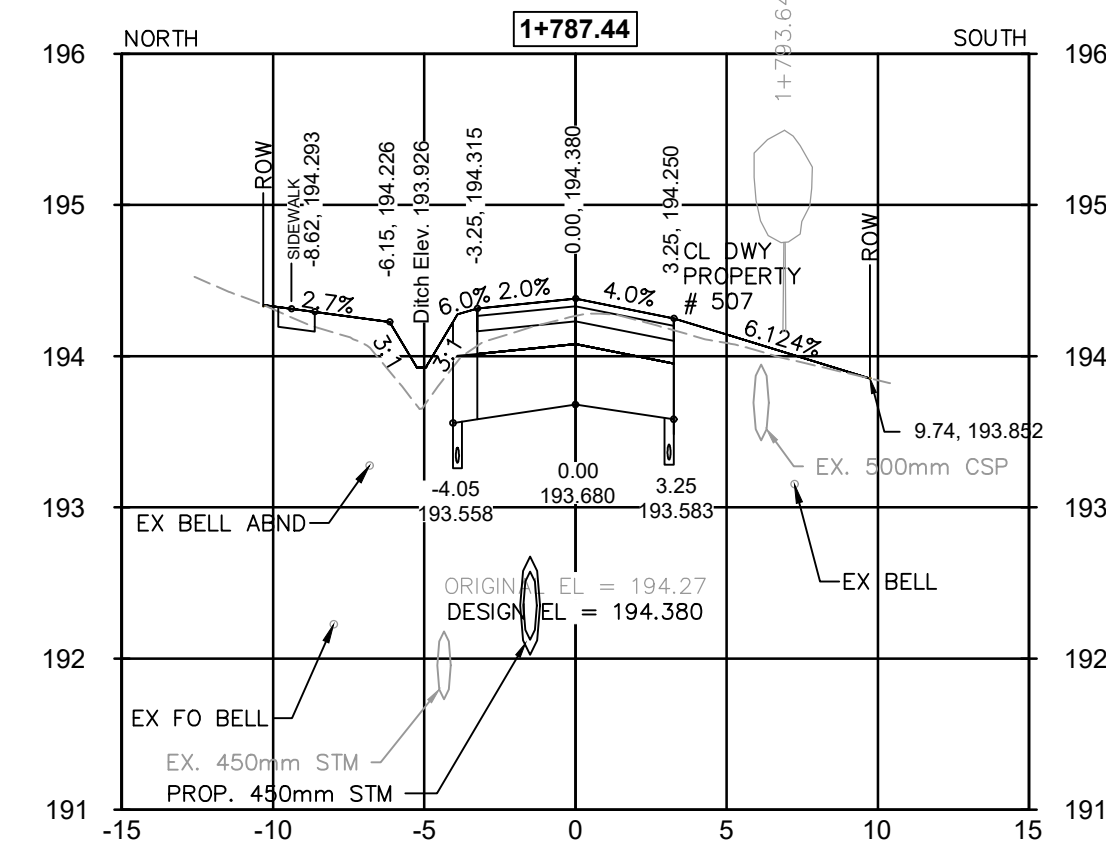
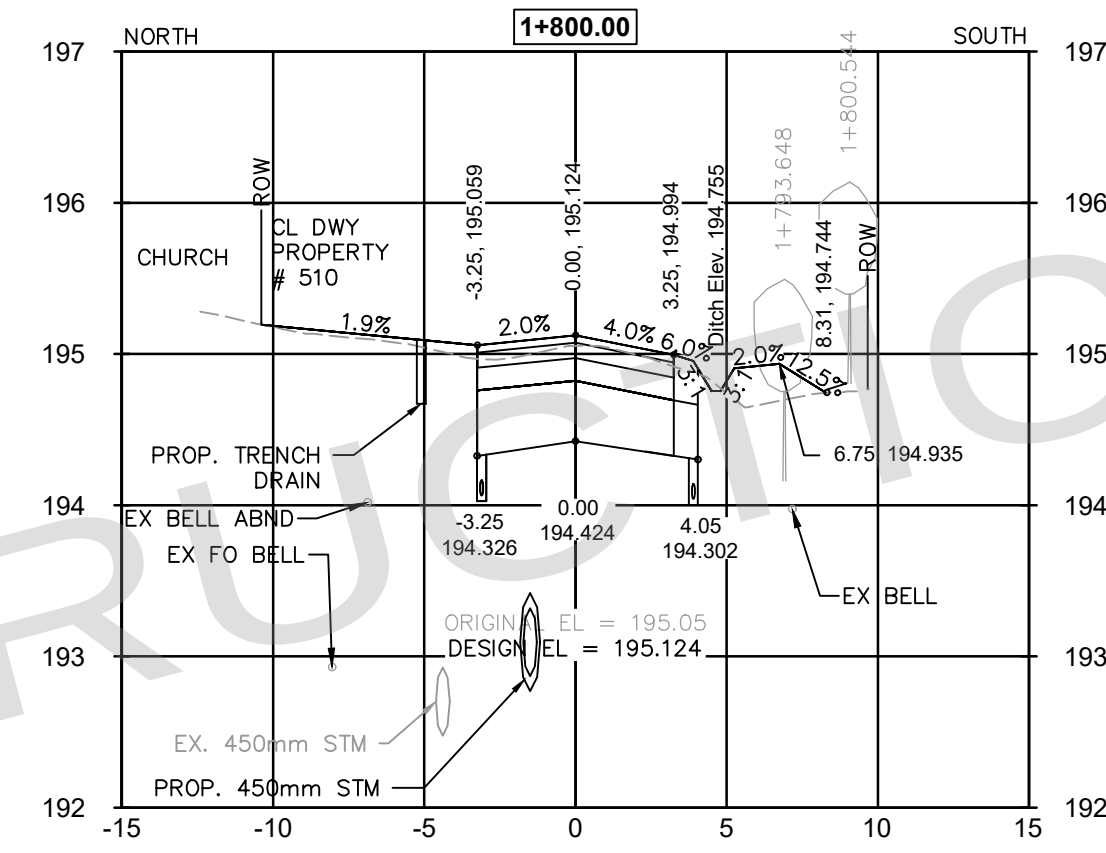
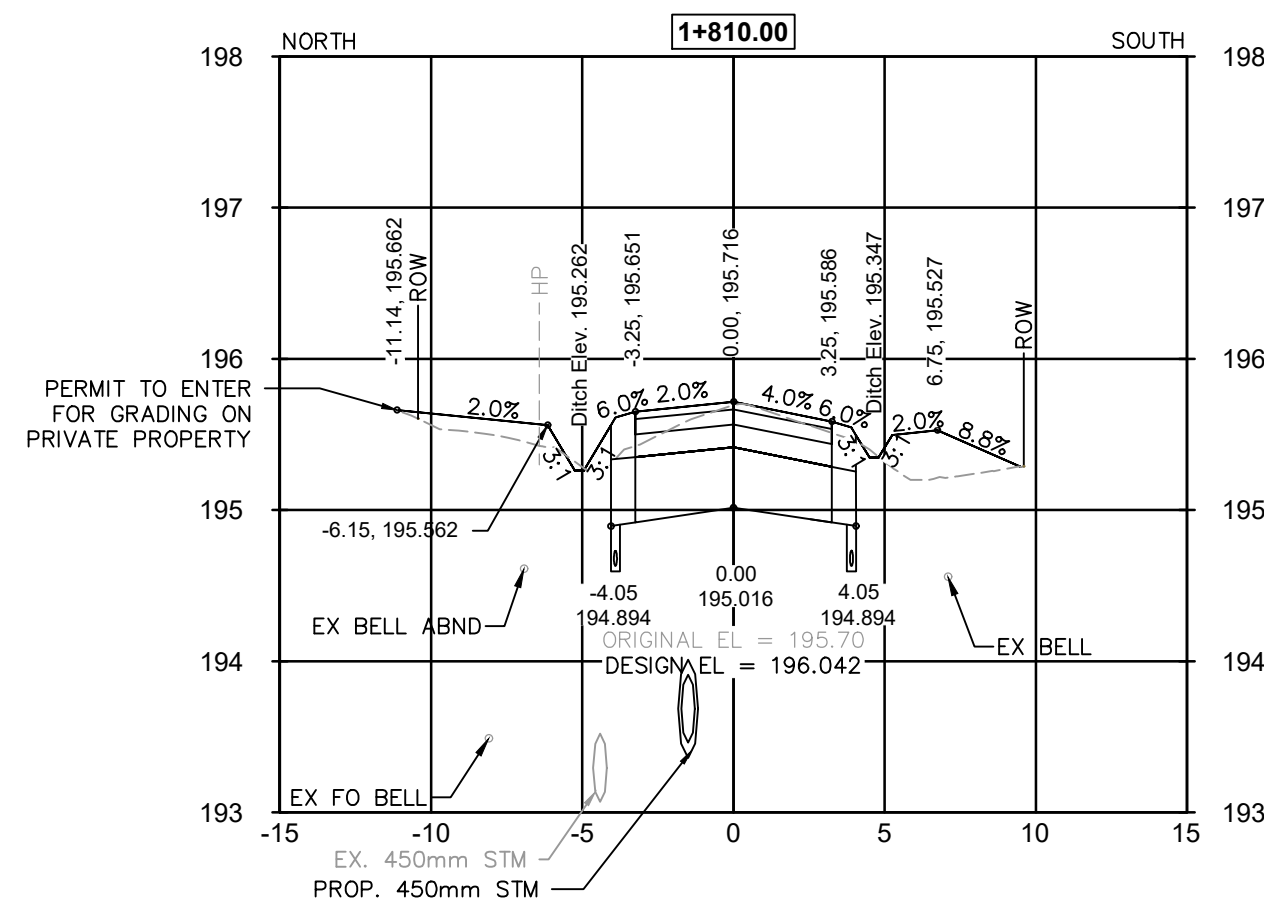
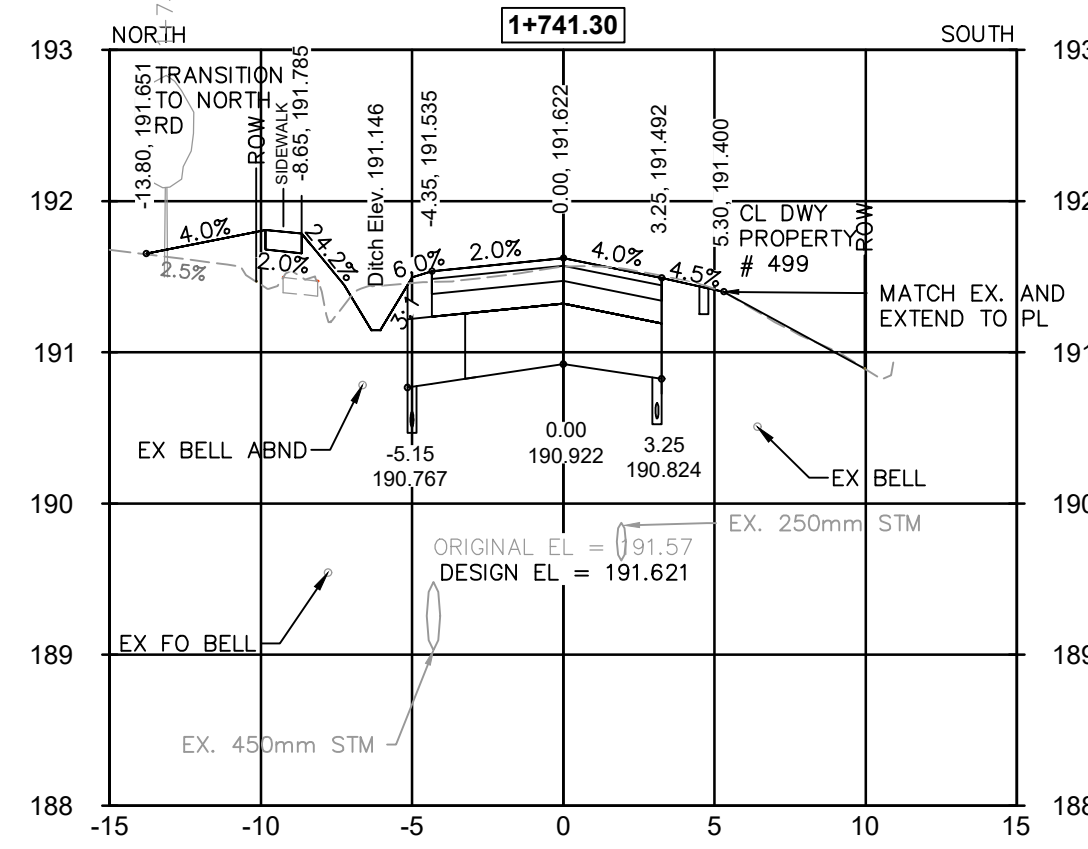
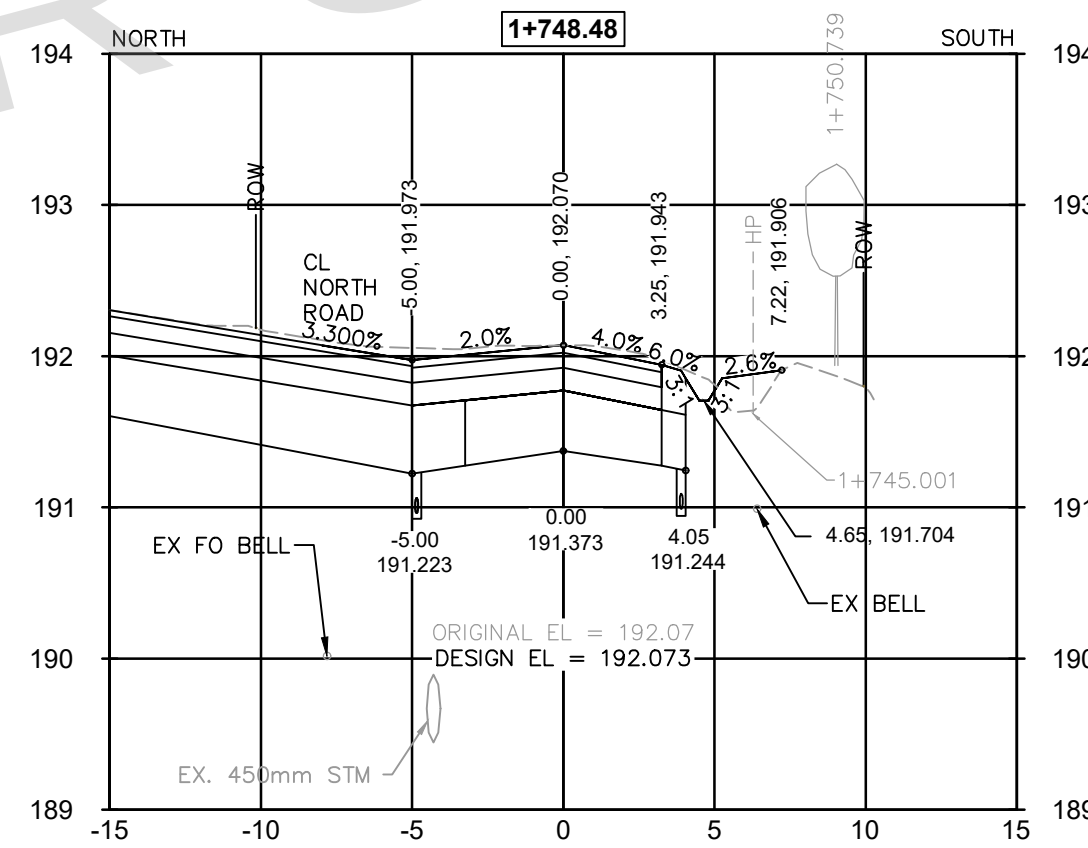
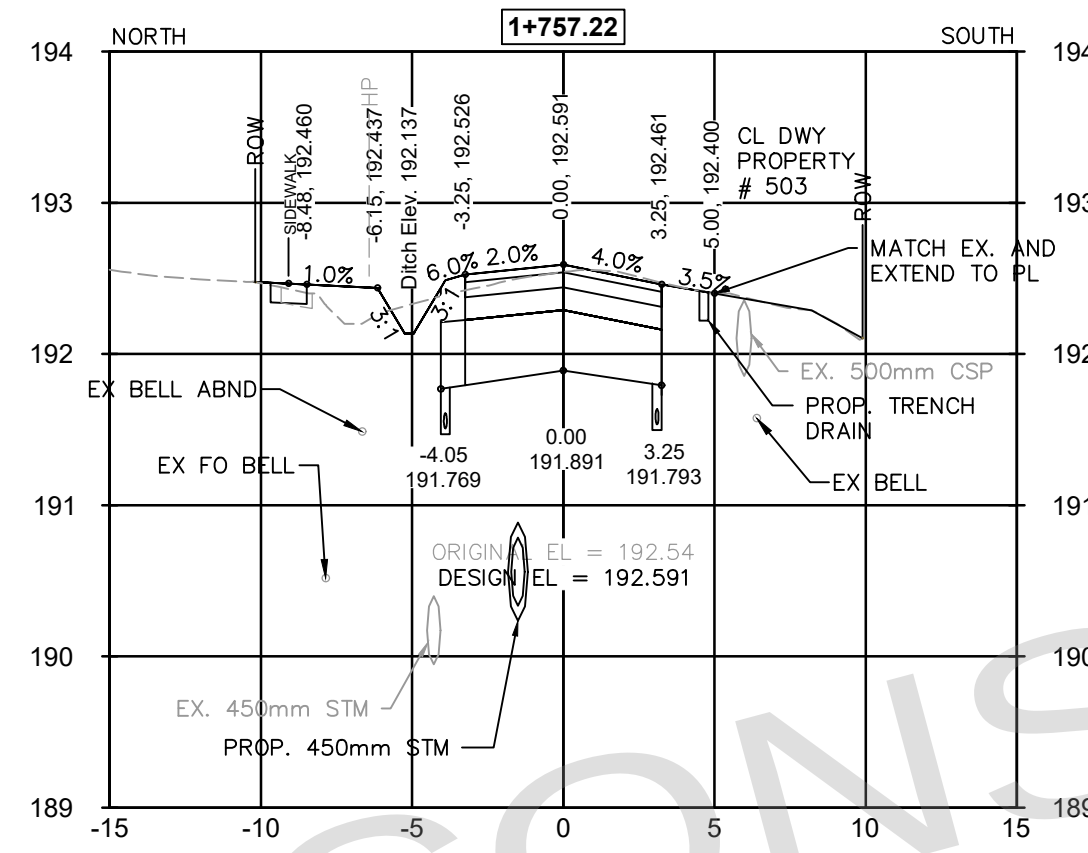
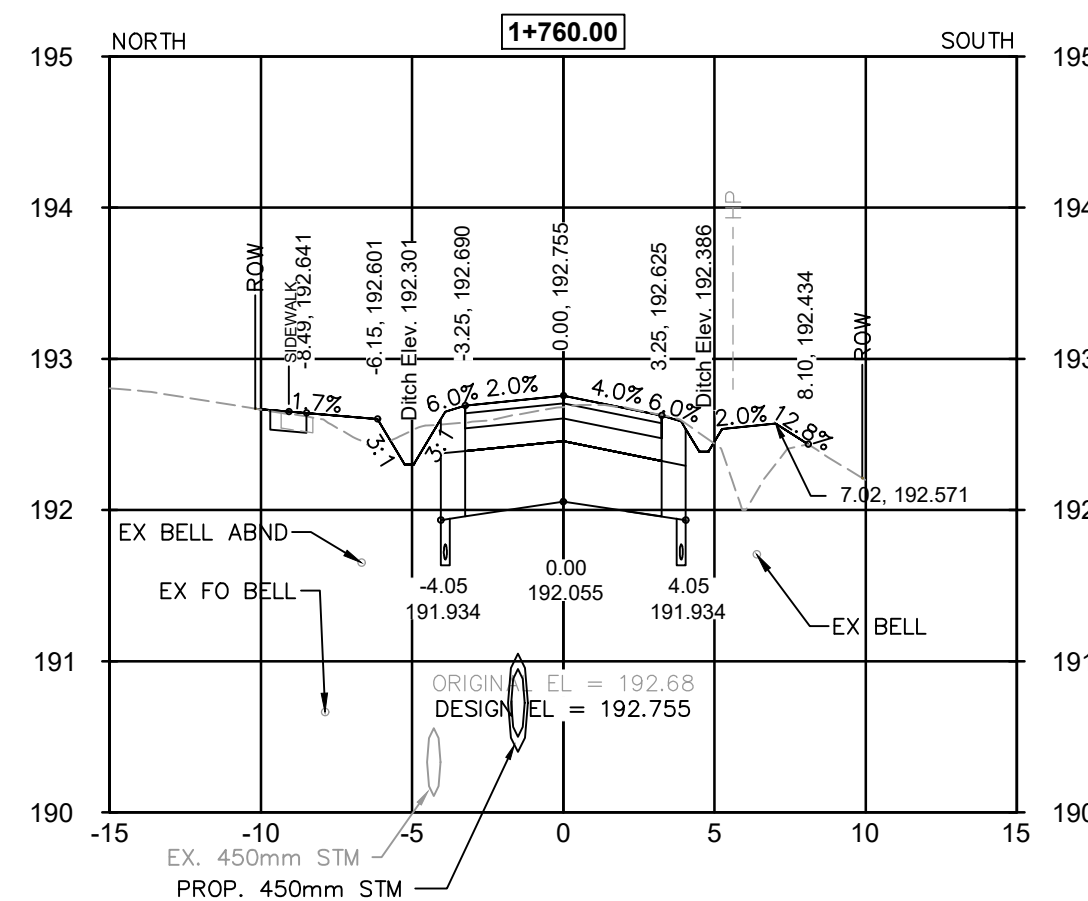
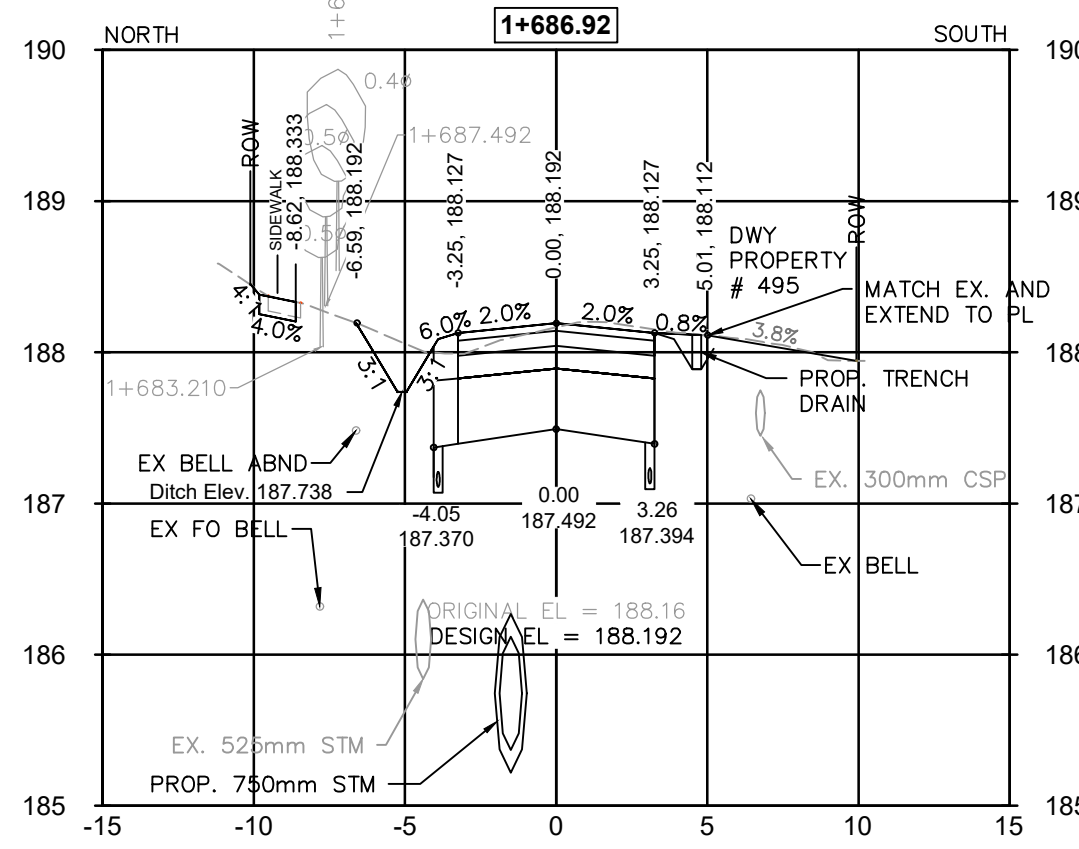
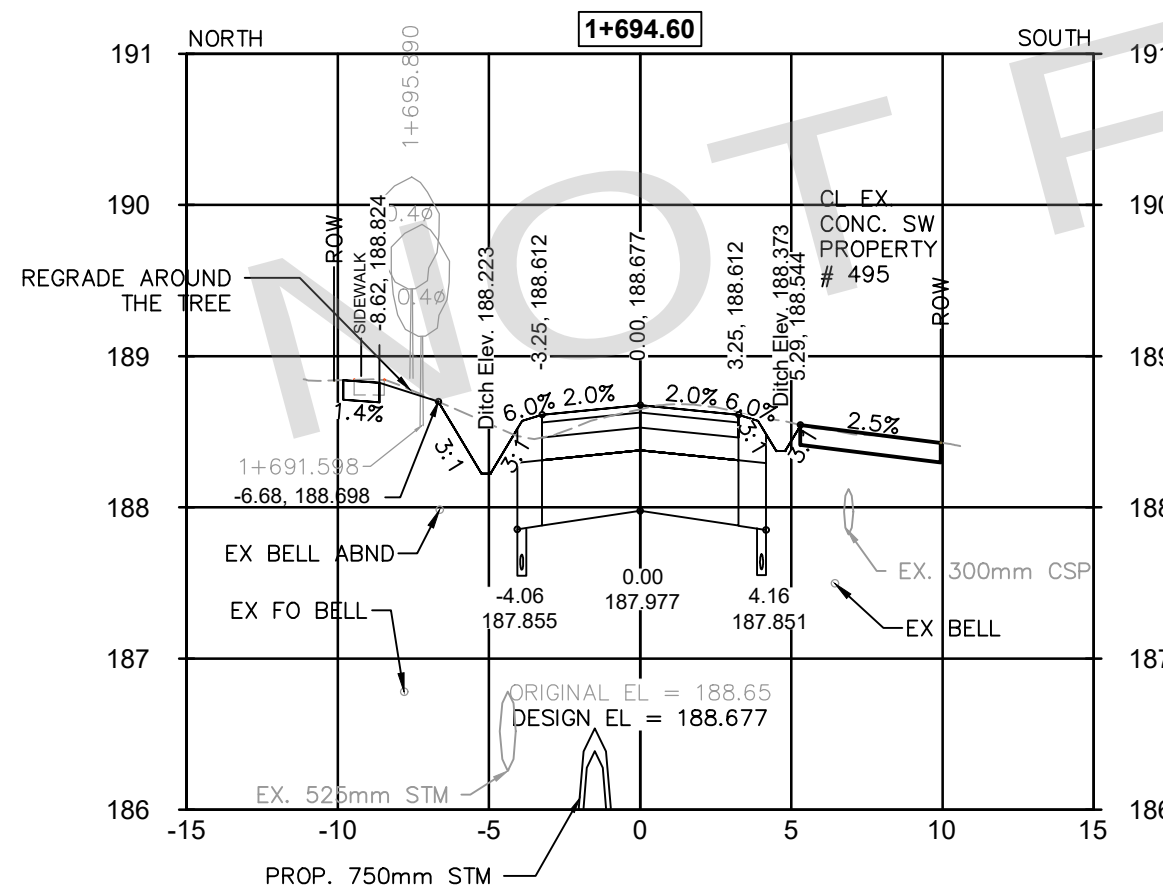
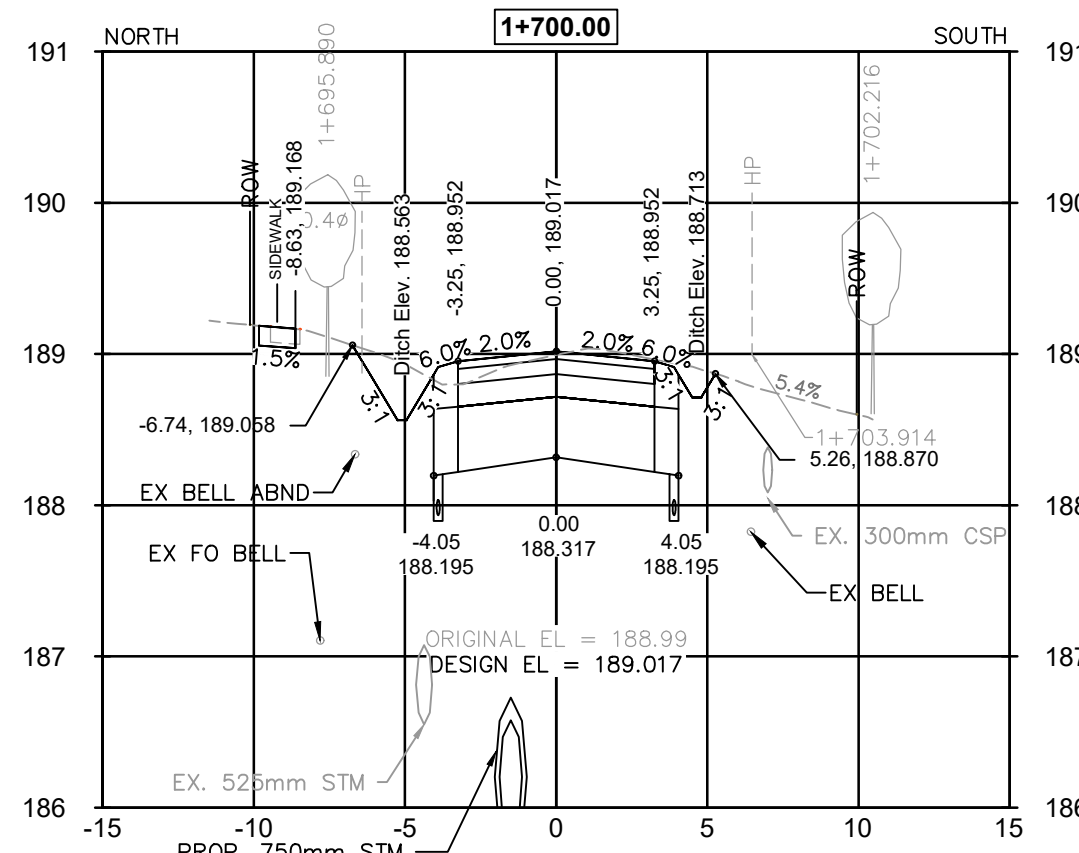
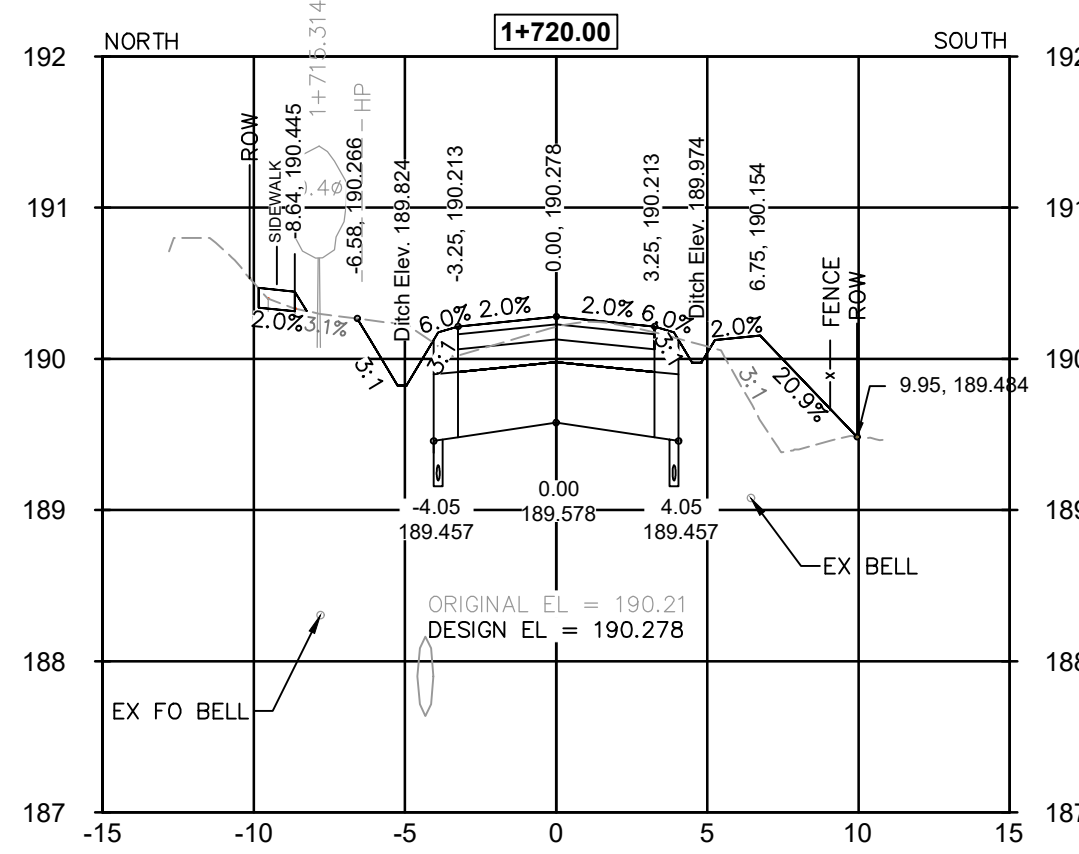
DESIGN BY:	DATE:
SR-AS & PM	JUL, 2025

PLAN SCALE: H 1:250 V 1:50

TENDER No. Q2026-25

DRAWING No.
XS-003

SHEET 18 of 48



- NOTES:**
- GENERAL**
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

BENCHMARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

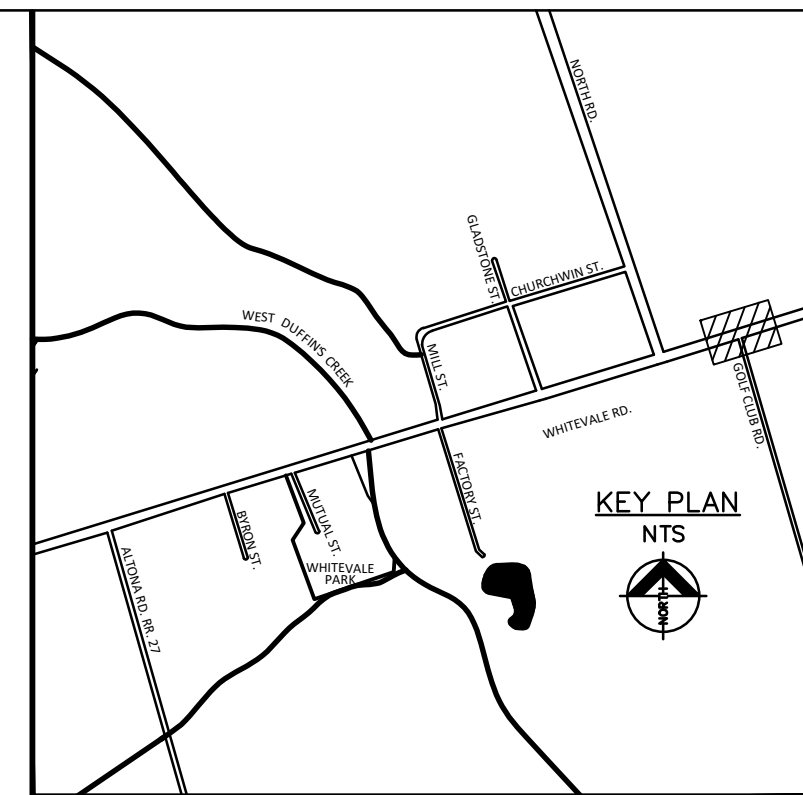
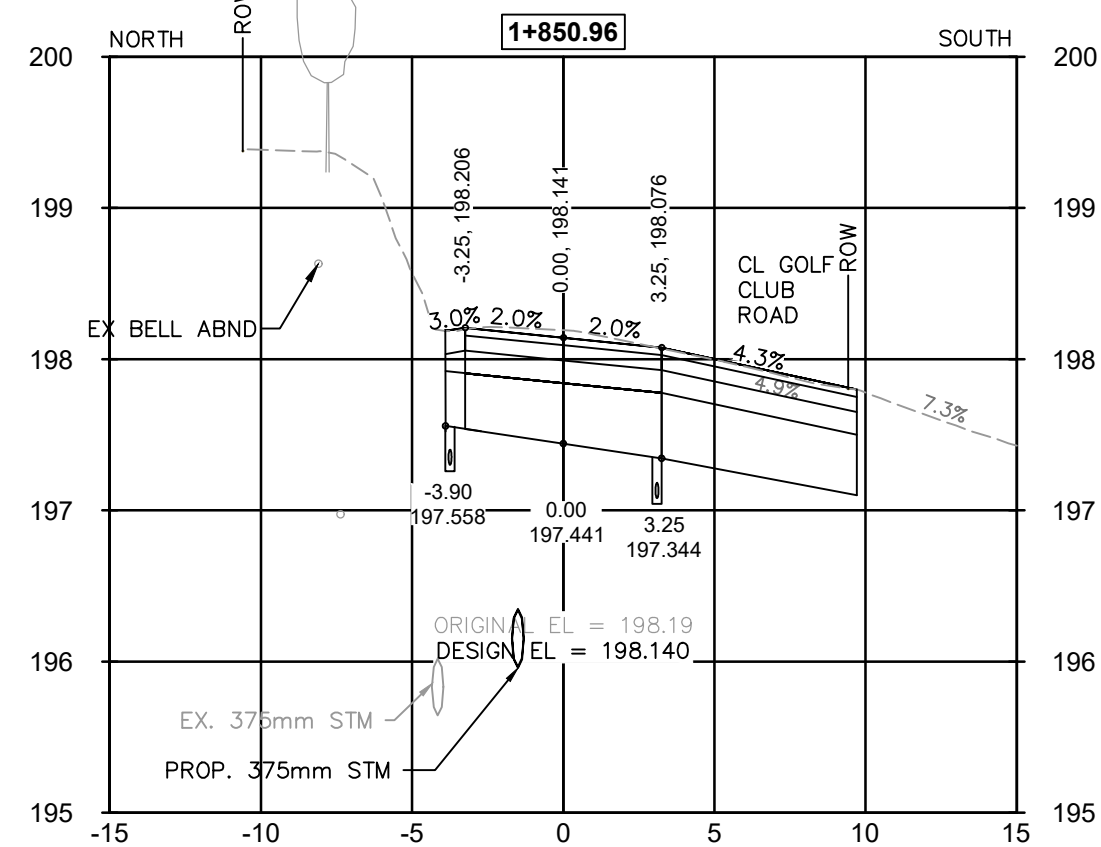
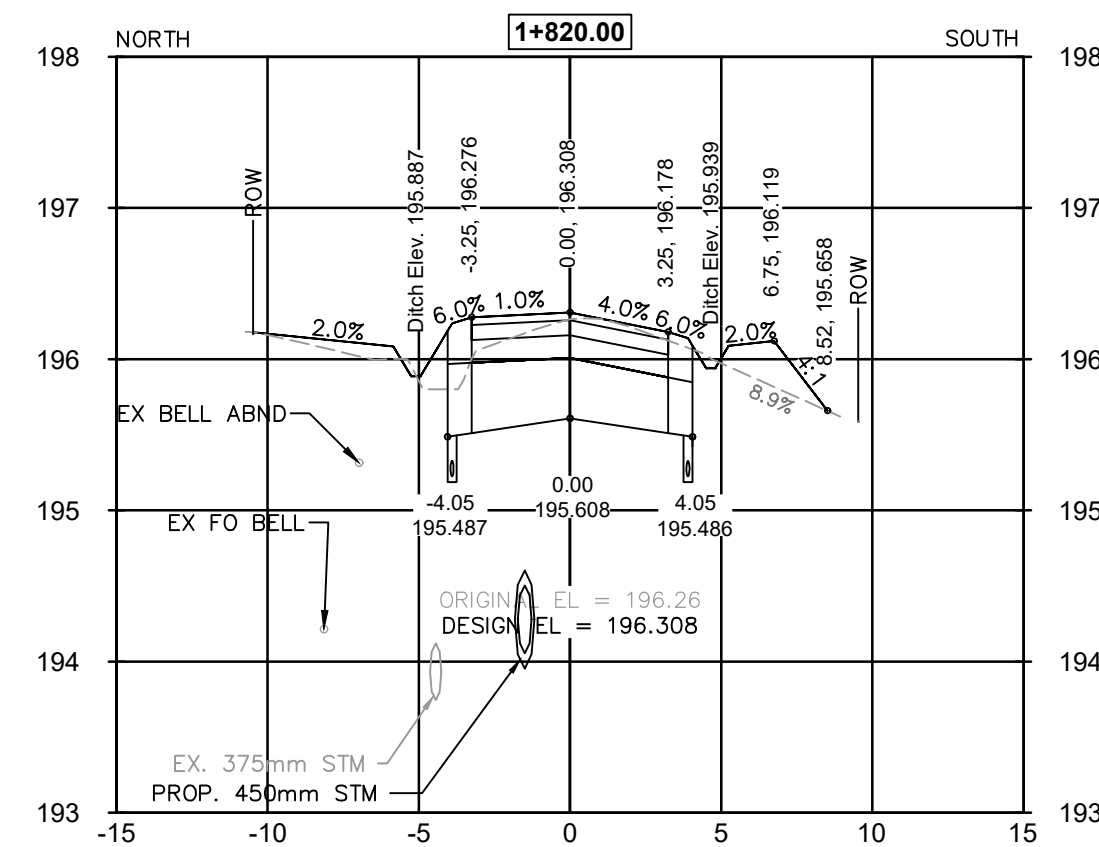
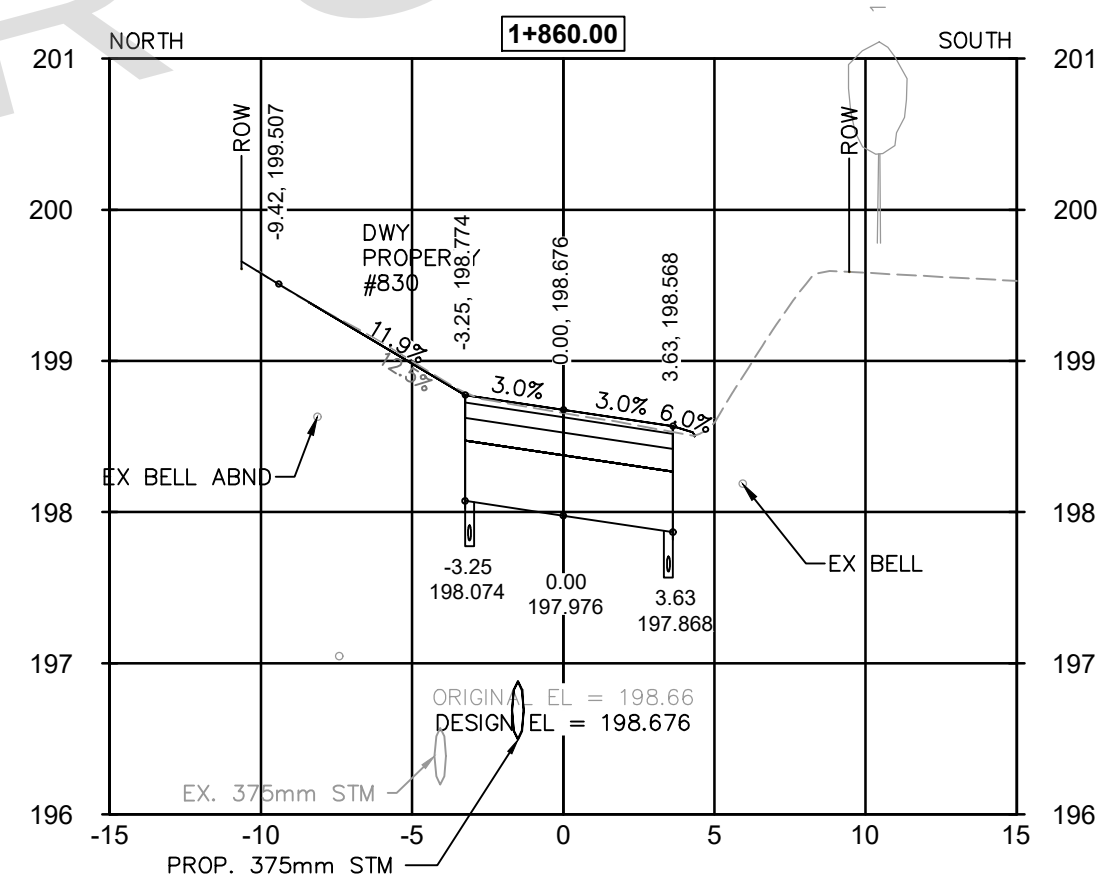
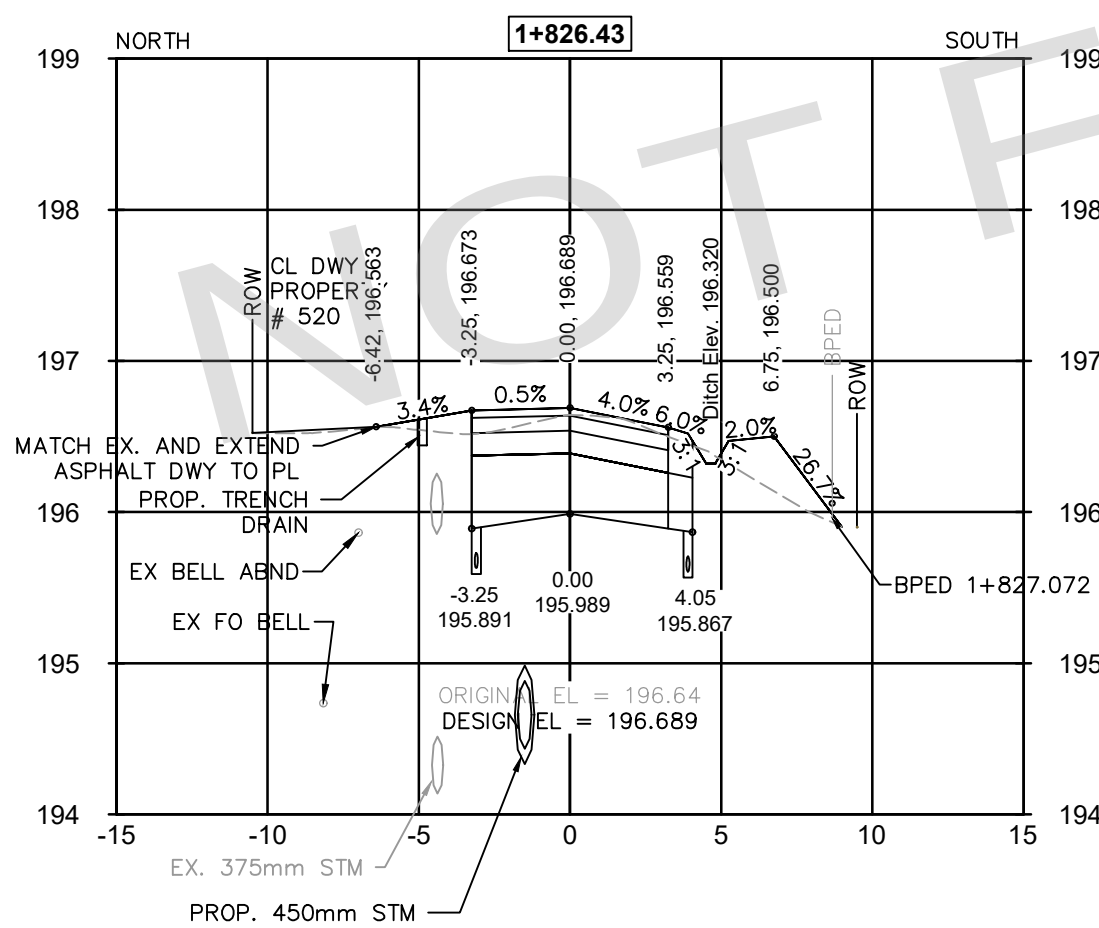
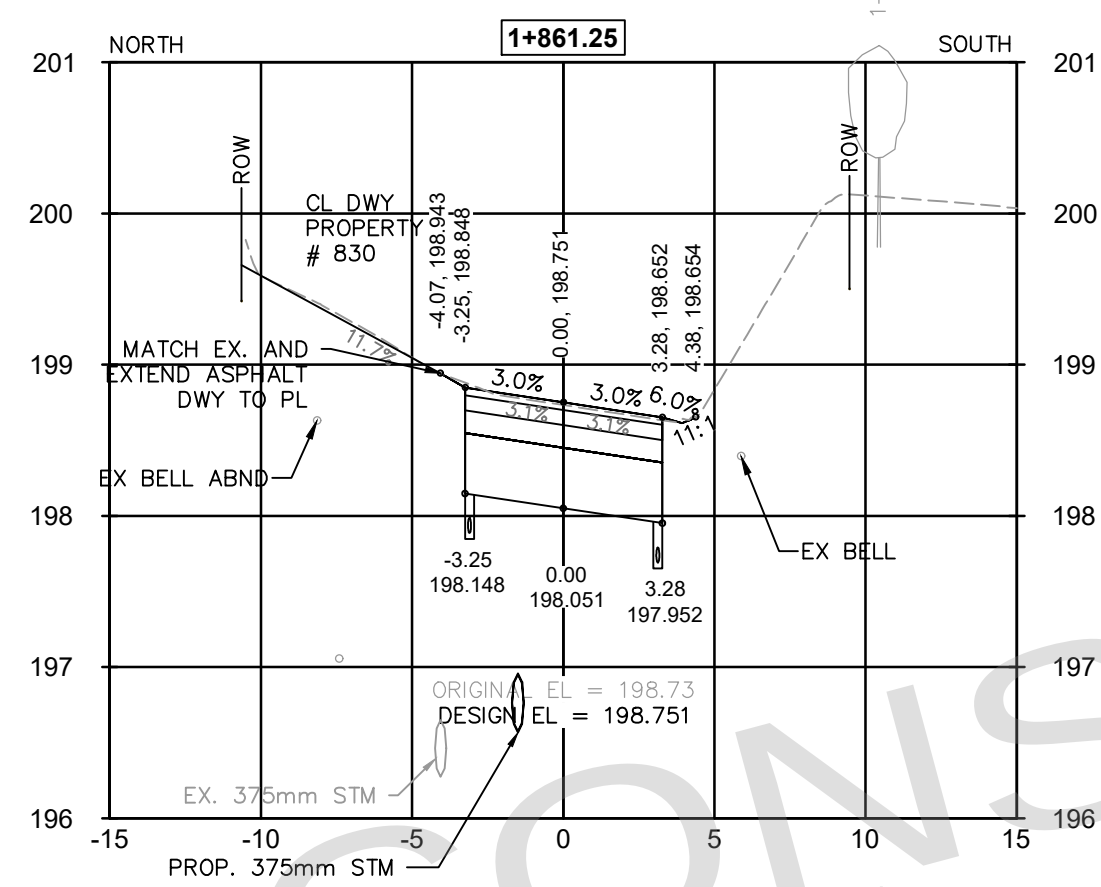
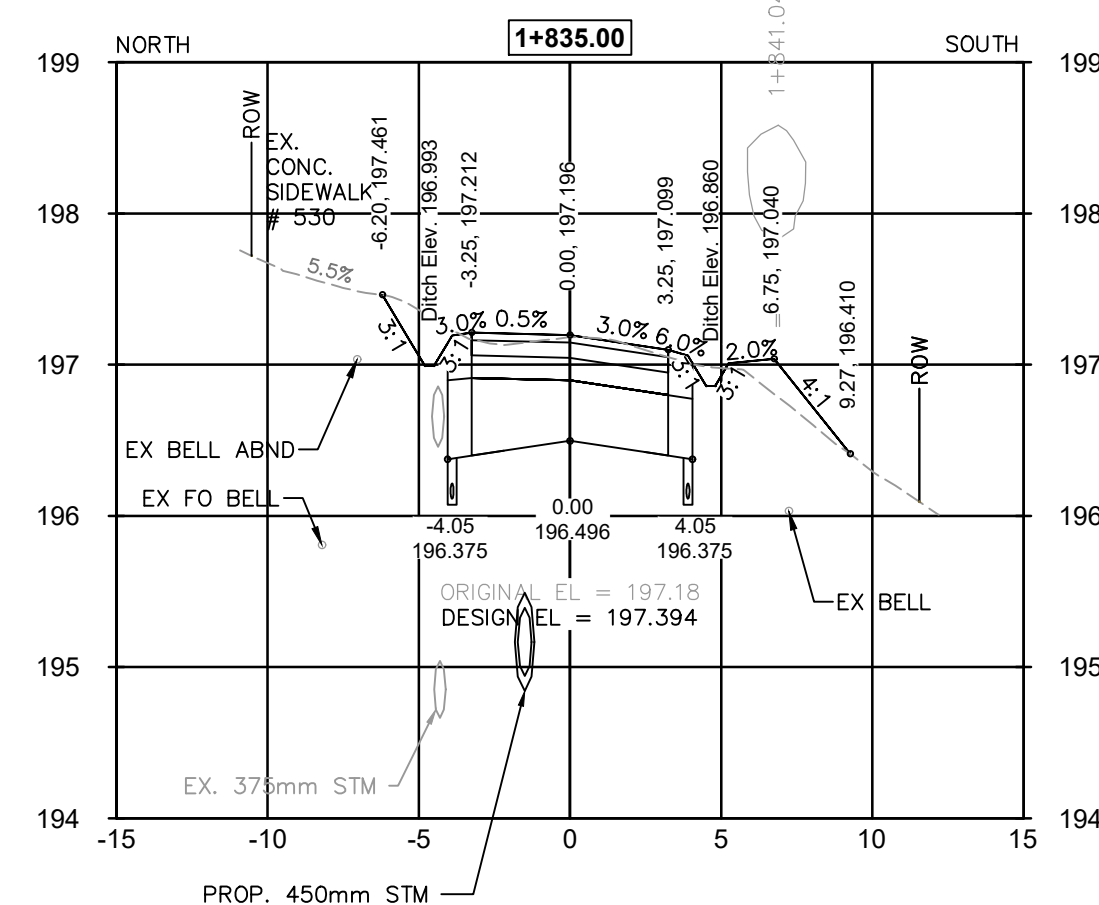
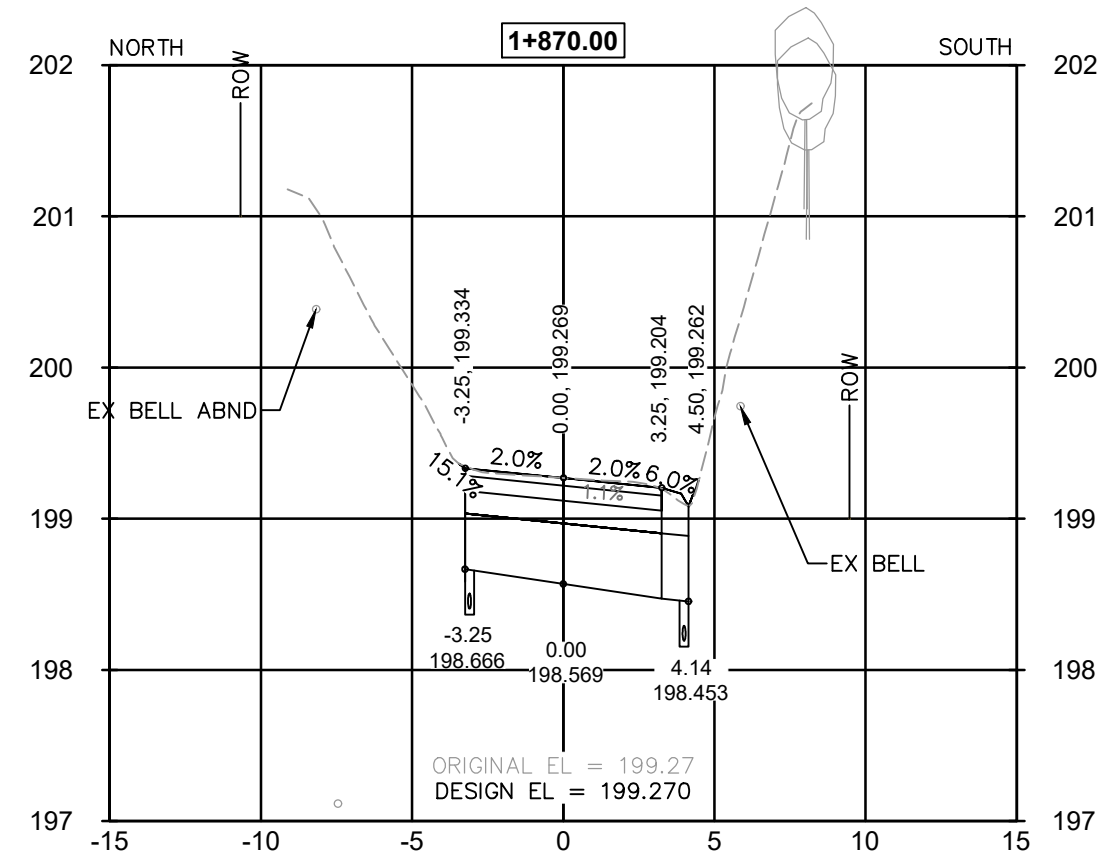
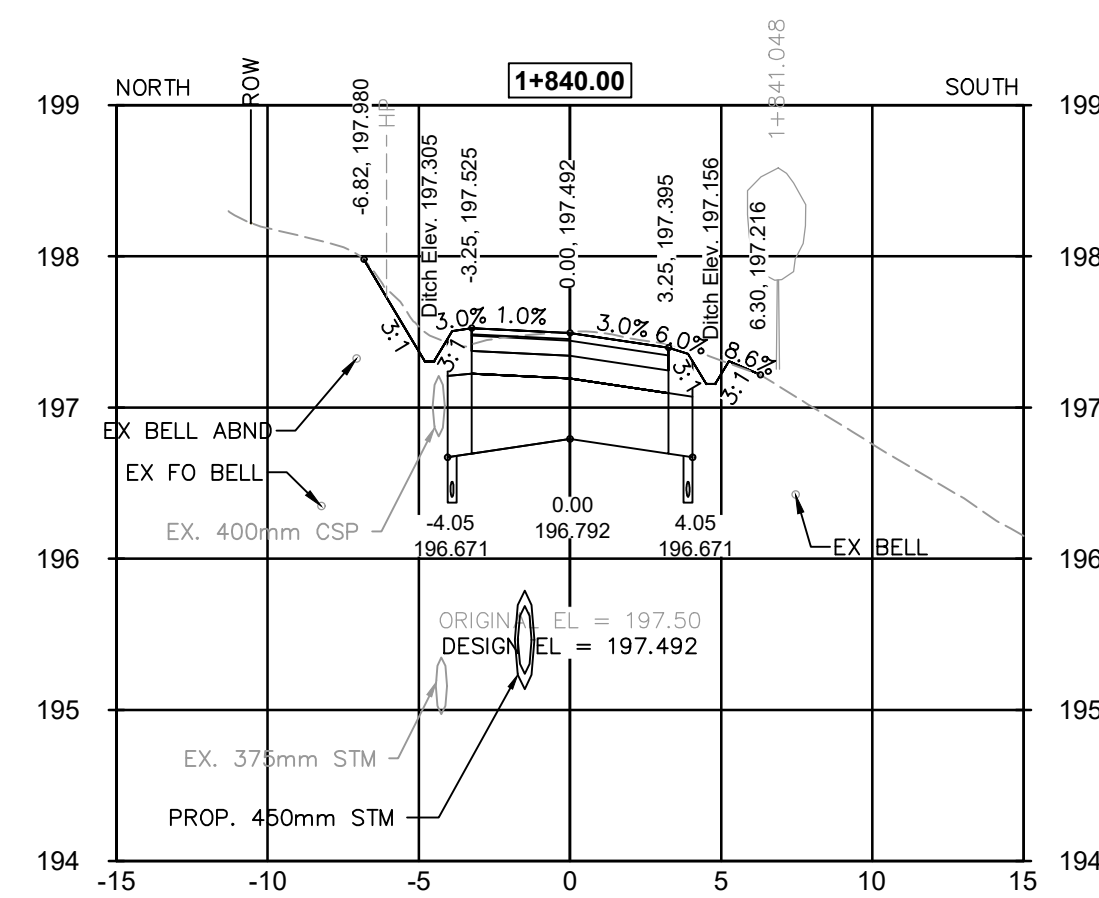
AECOM

PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

TITLE	
WHITEVALE ROAD CROSS SECTIONS STA. 1+686.92 TO STA. 1+815.51	
SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL, 2025
DESIGN BY: SR-AS & PM	DATE: JUL, 2025
PLAN SCALE: H 1:250 V 1:50	PROFILE SCALE:
TENDER No. Q2026-25	
DRAWING No. XS-004	SHEET 19 of 48



NOTES:

GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSITOR SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSITOR/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS)(2011) UTM ZONE 18

AECOM

PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

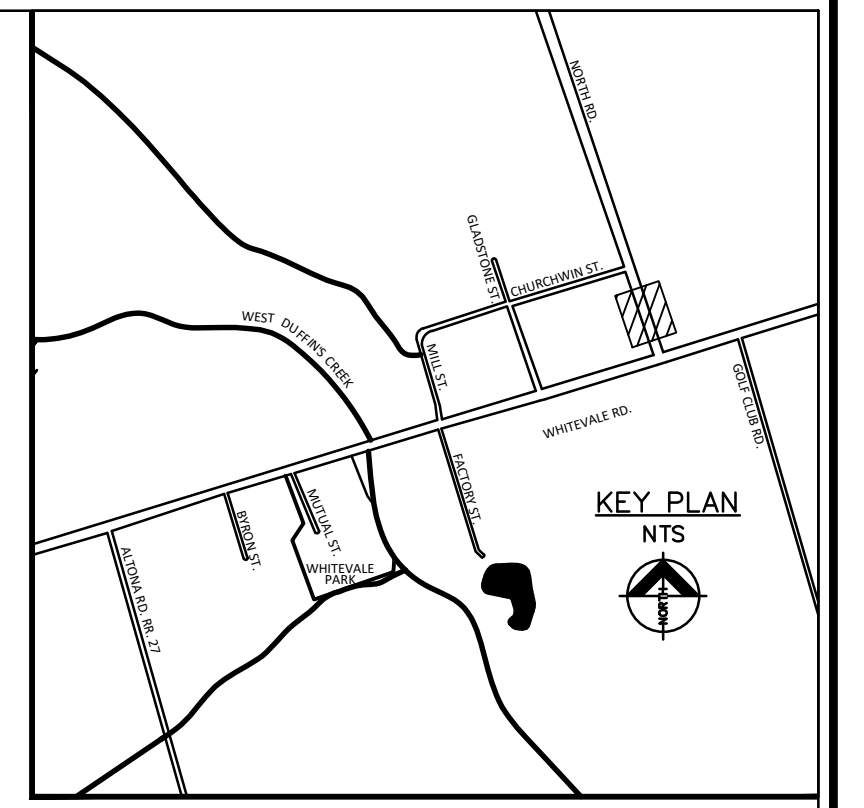
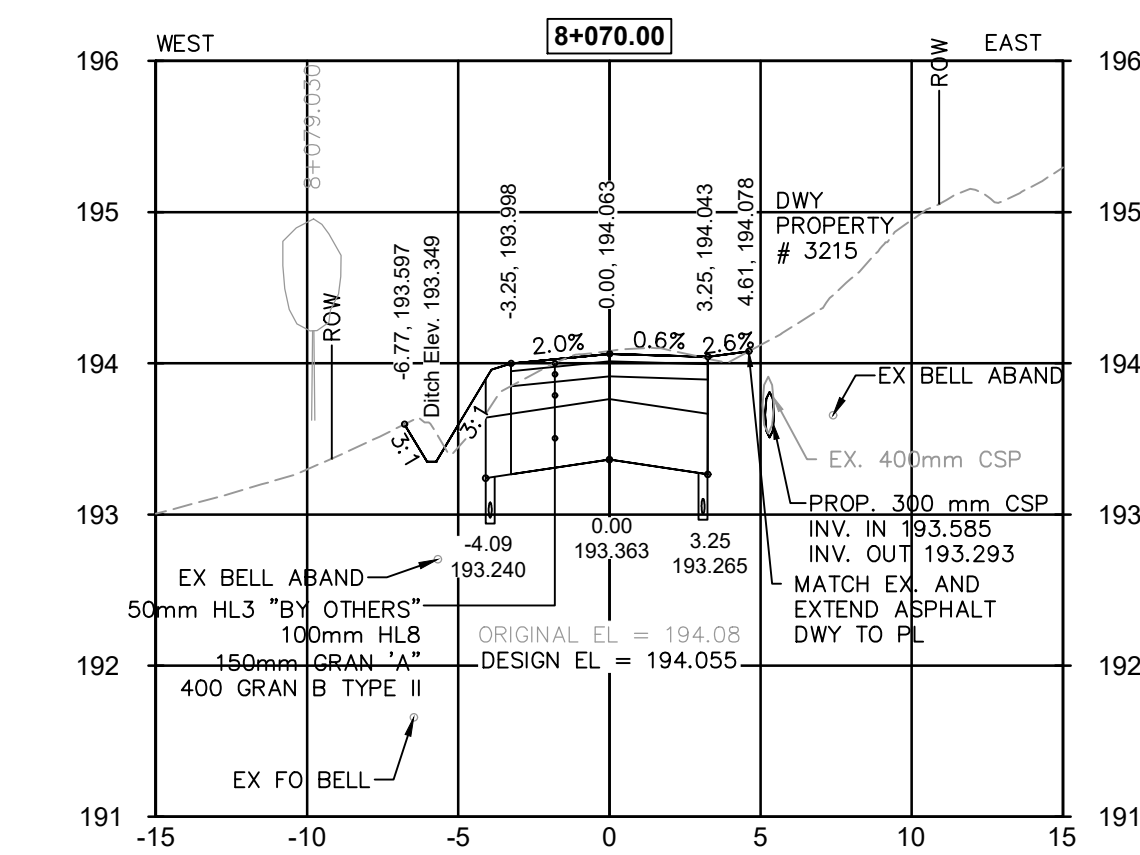
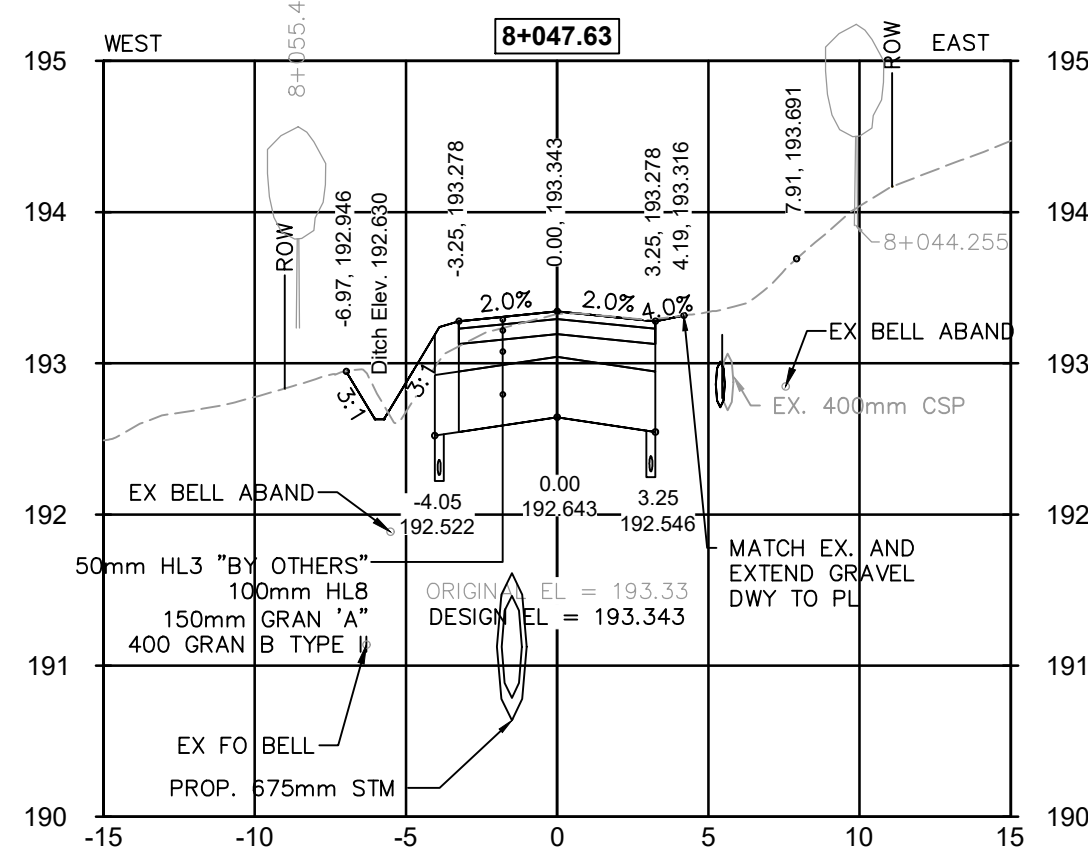
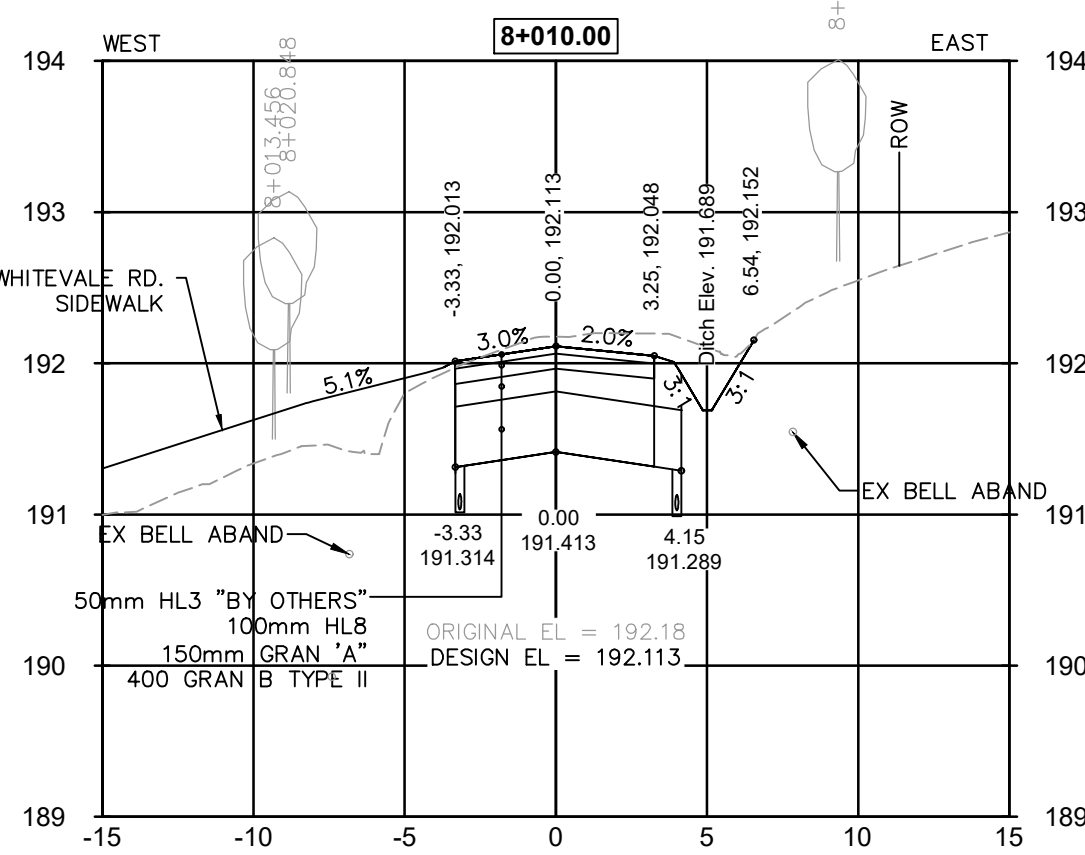
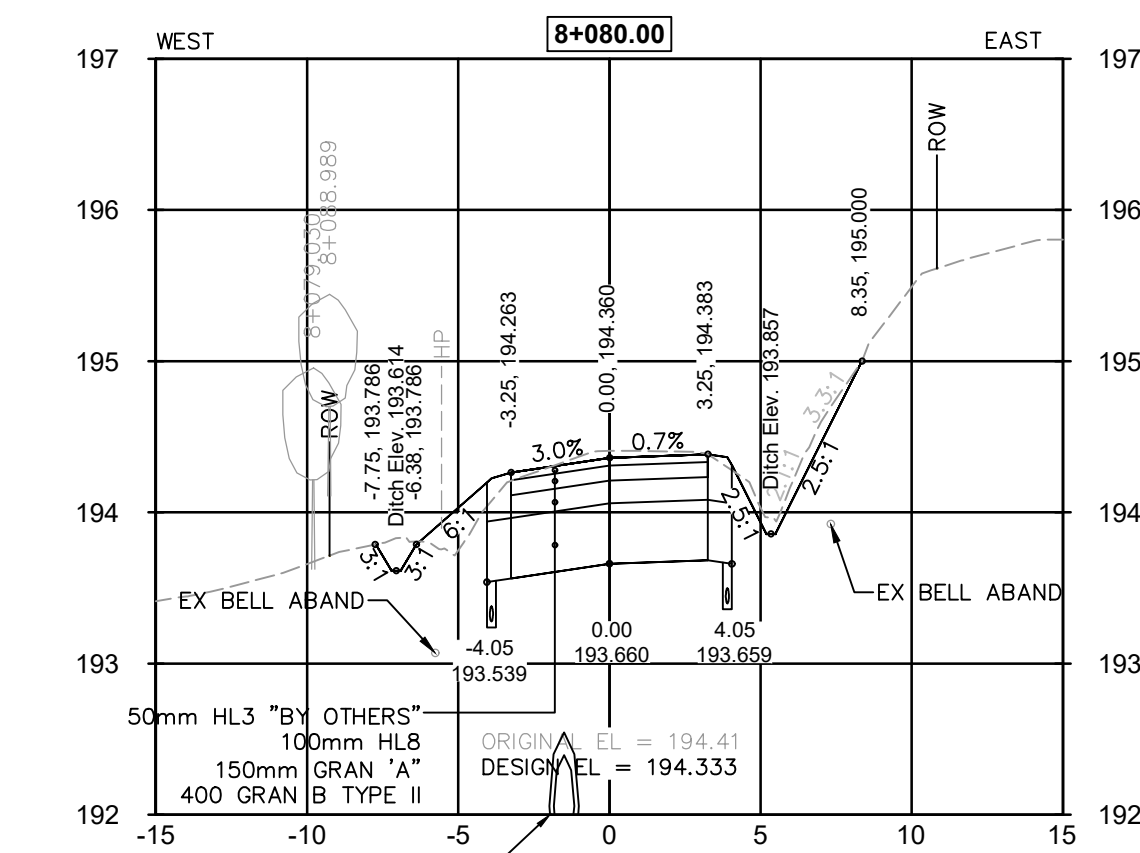
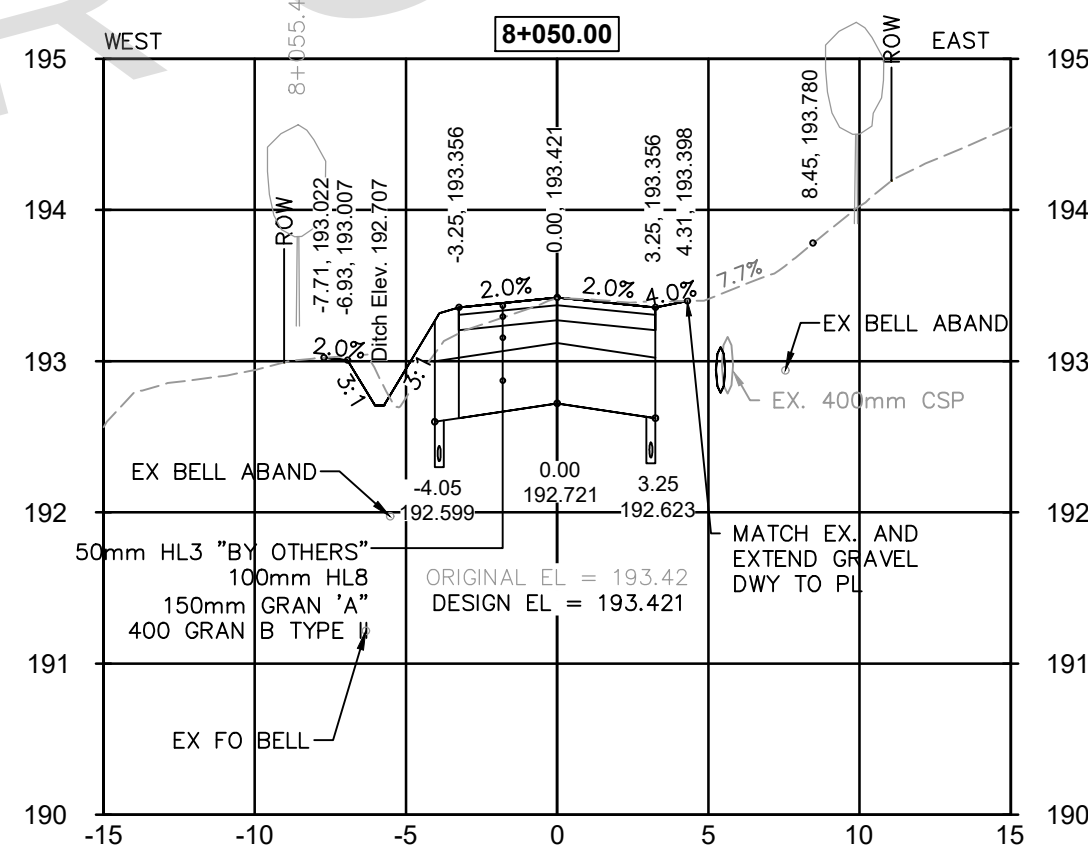
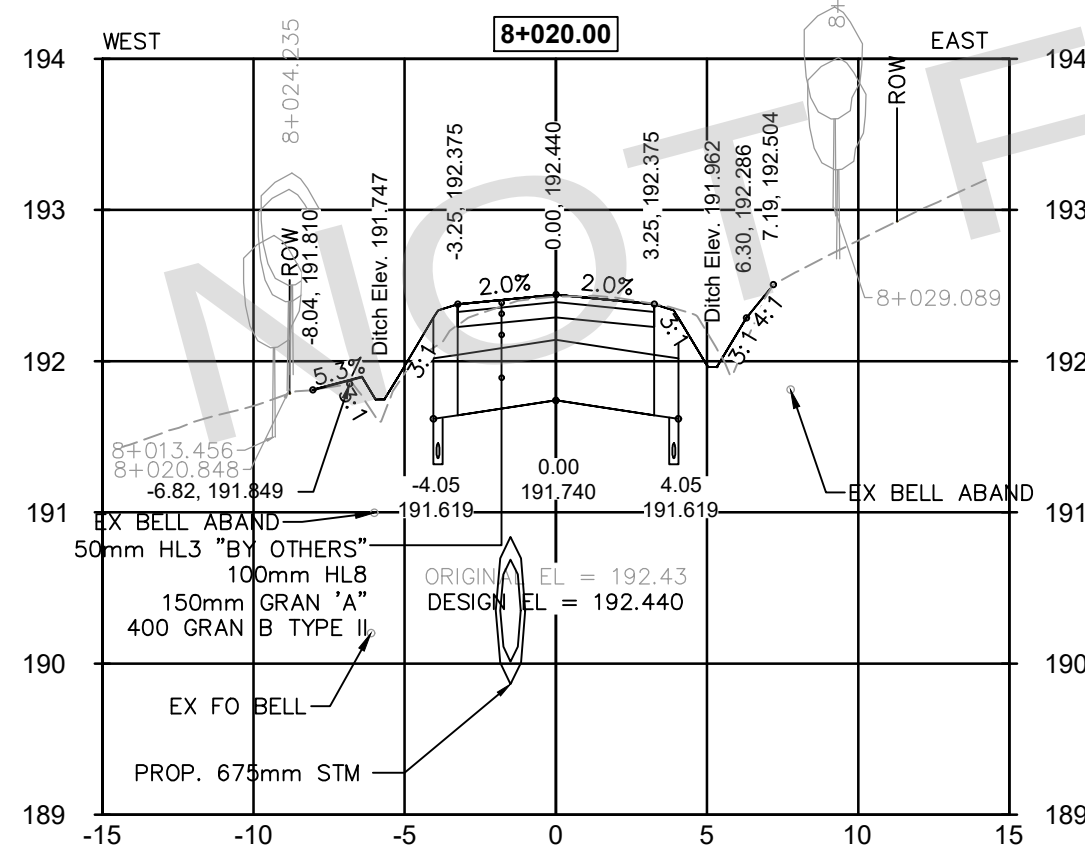
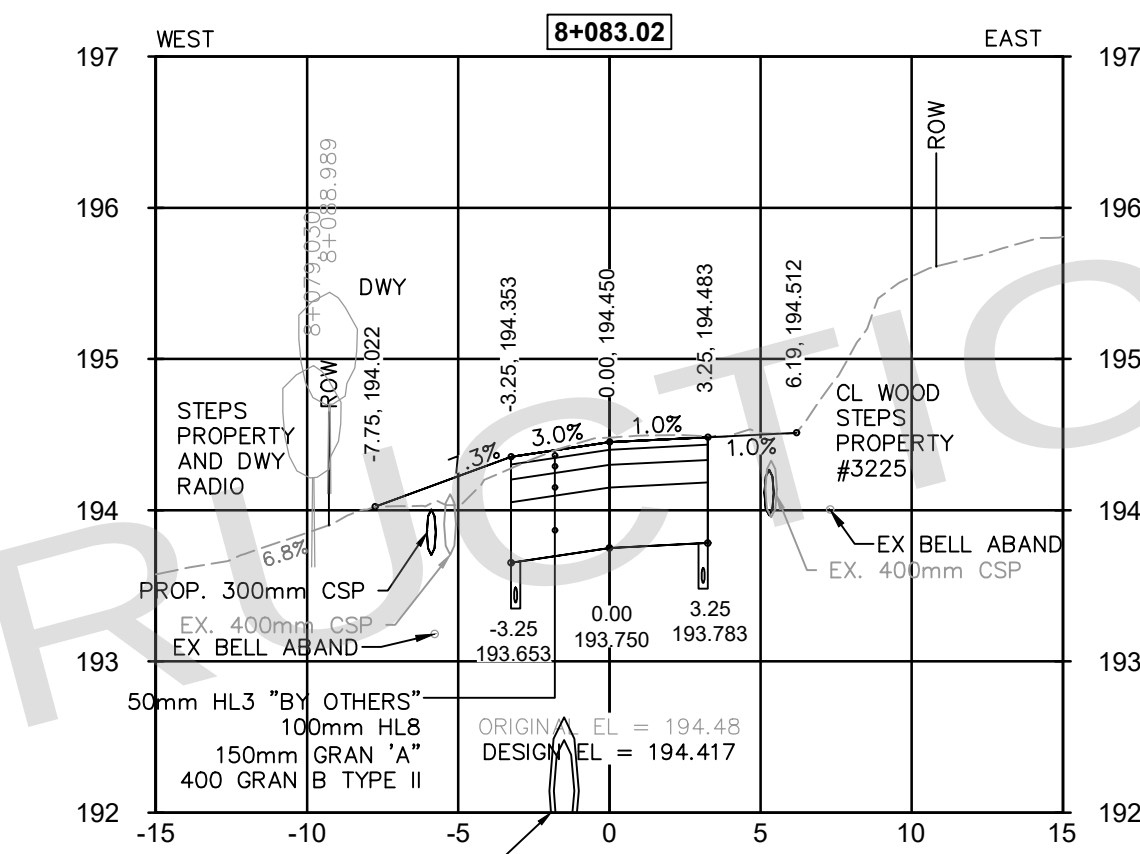
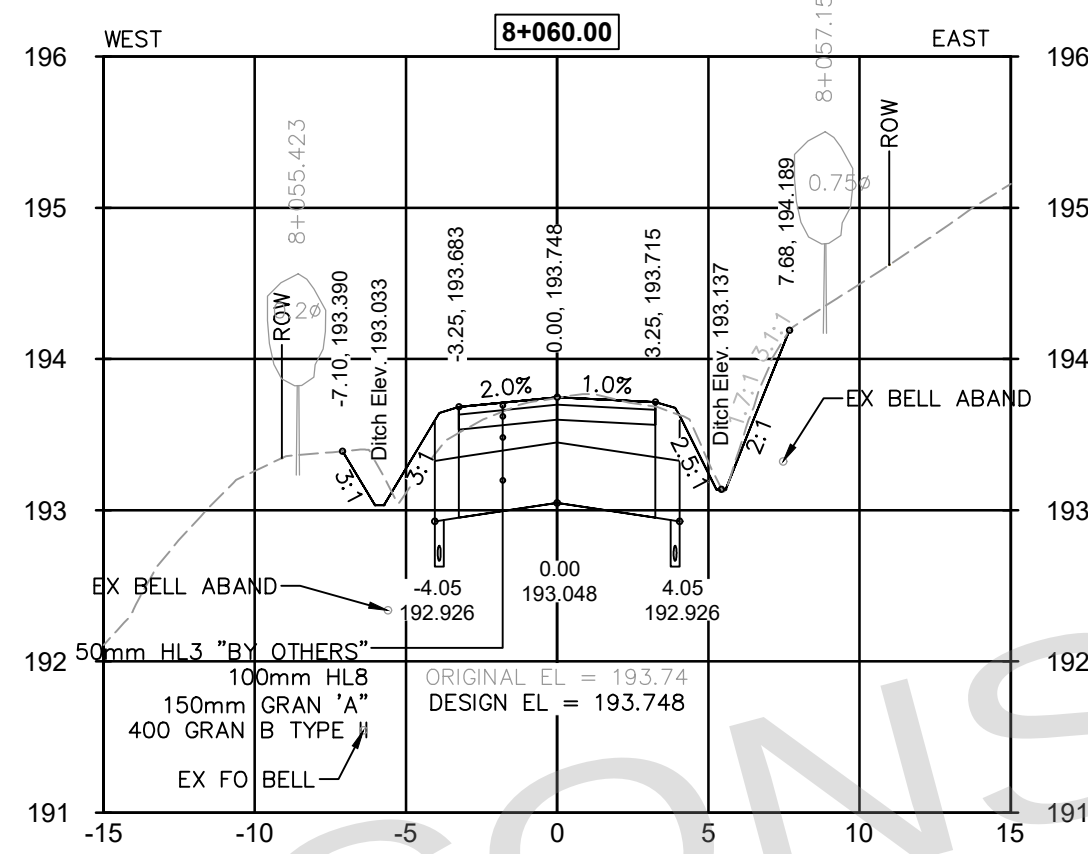
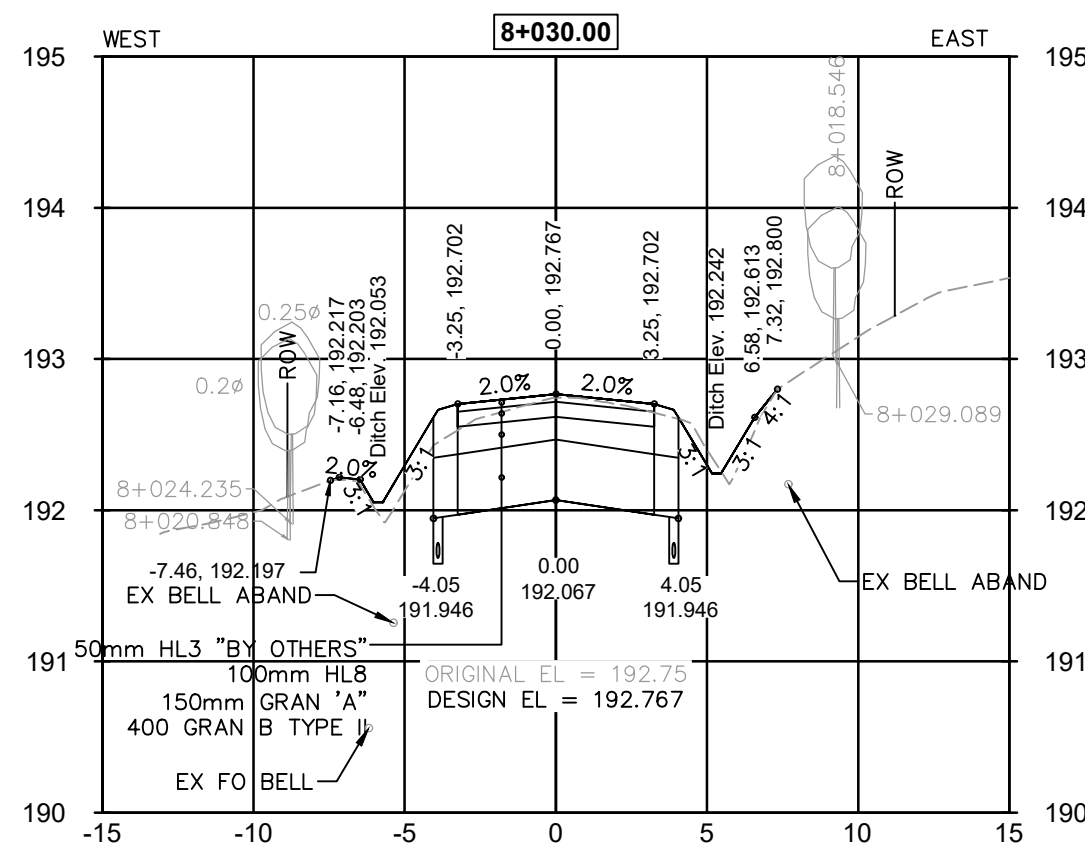
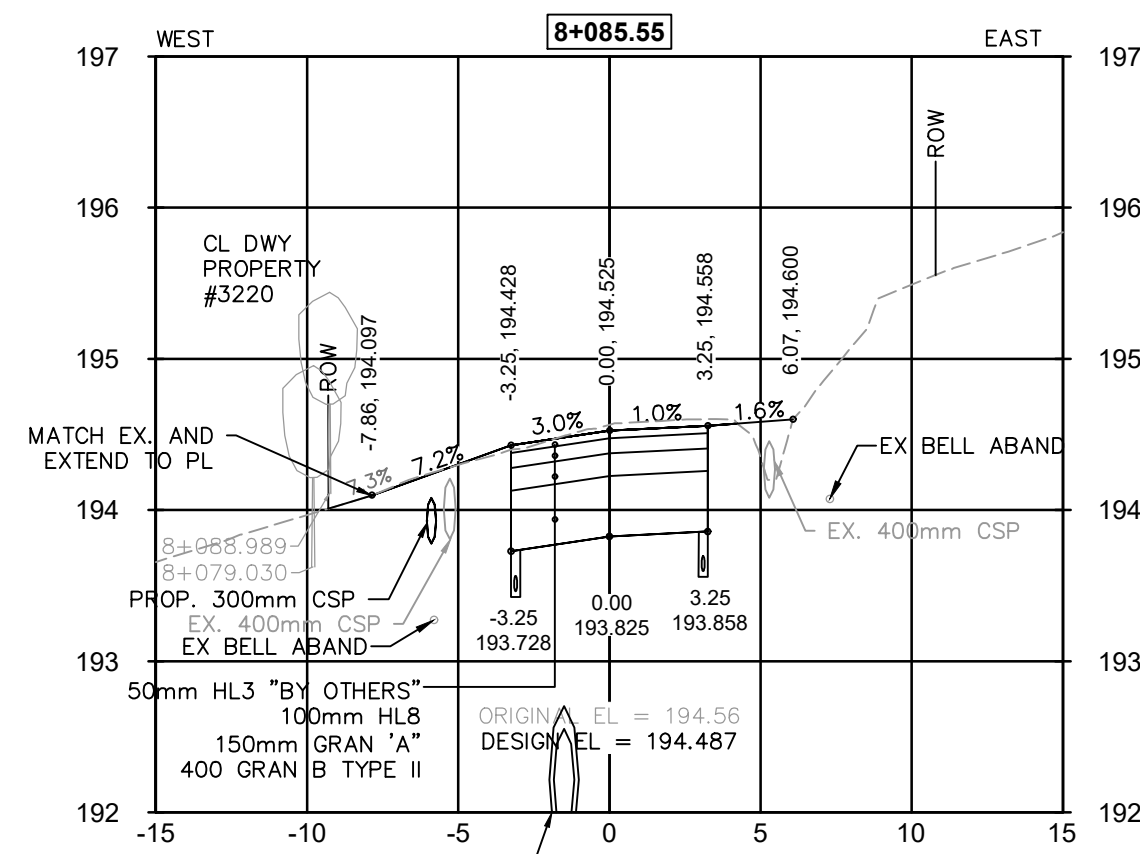
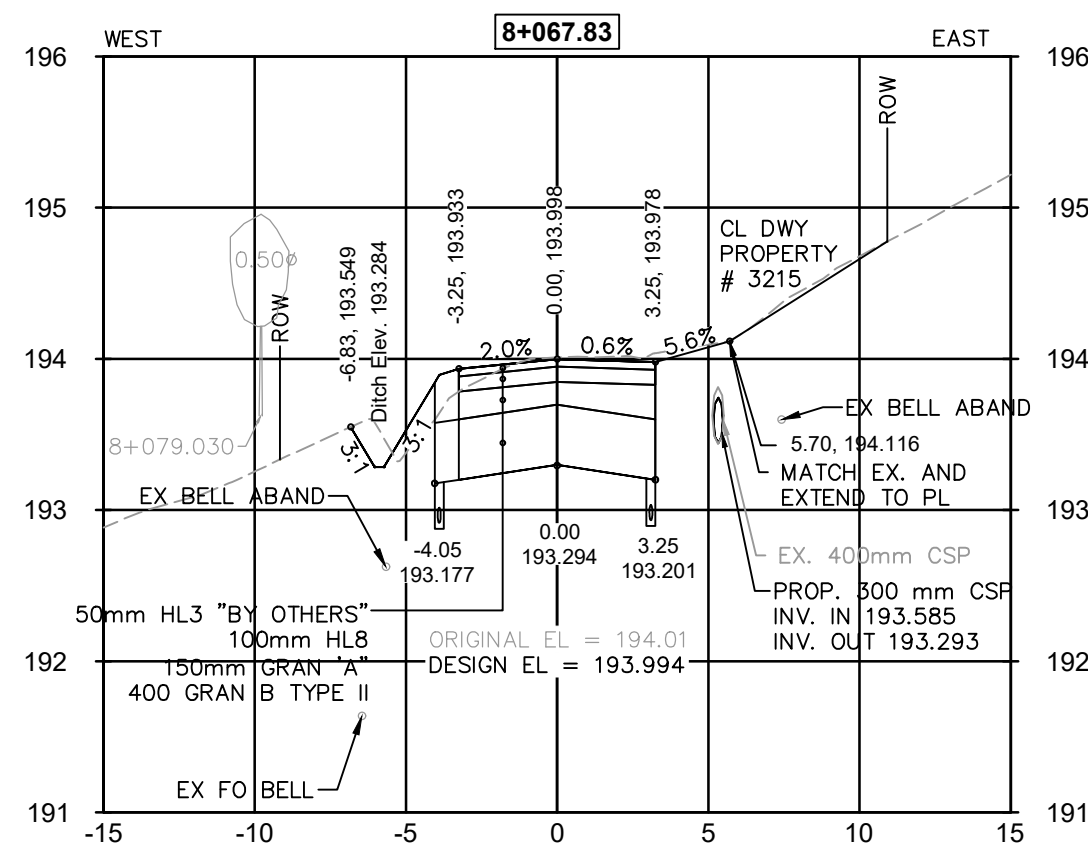
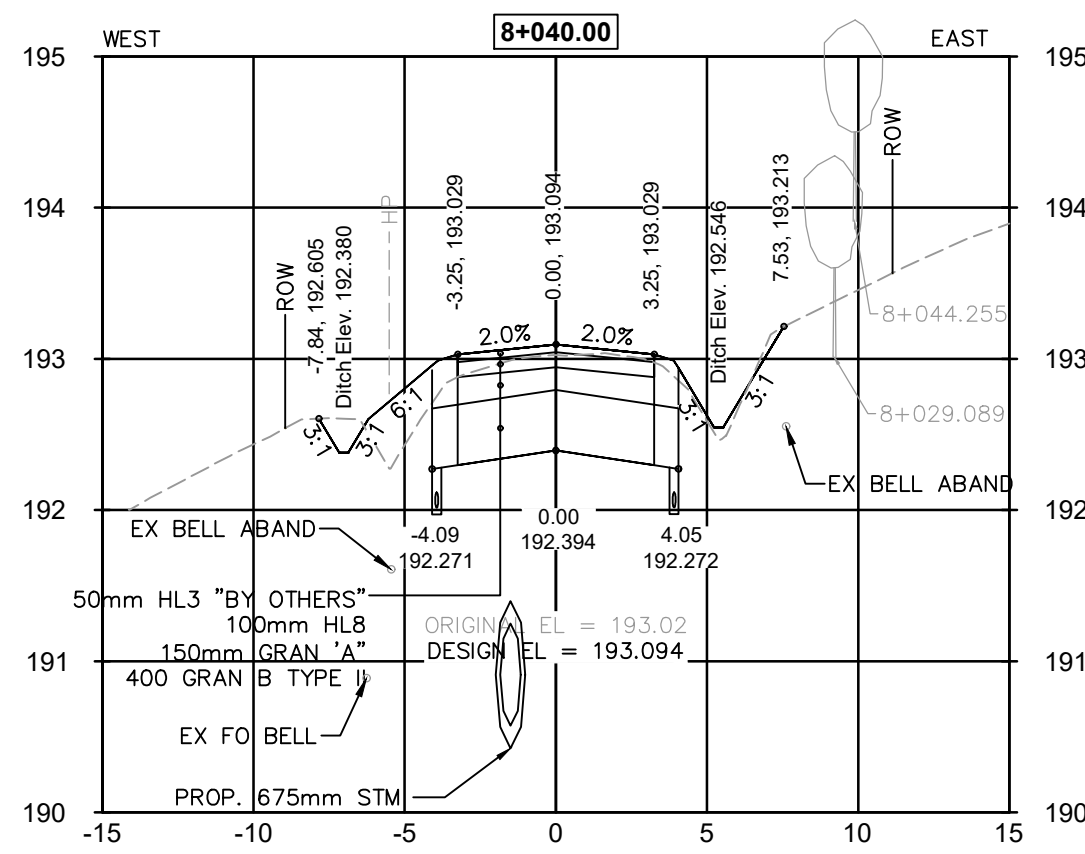
City of
PICKERING

TITLE
**WHITEVALE ROAD
CROSS SECTIONS
STA. 1+820.00 TO STA. 1+870.00**

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	H 1:250 V 1:50	CL PROFILE SCALE:	

TENDER No. Q2026-25

DRAWING No.	XS-005	SHEET 20 of 48
-------------	--------	----------------



- NOTES:**
- GENERAL**
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSITOR SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSITOR/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM
PROJECT No. 60560495

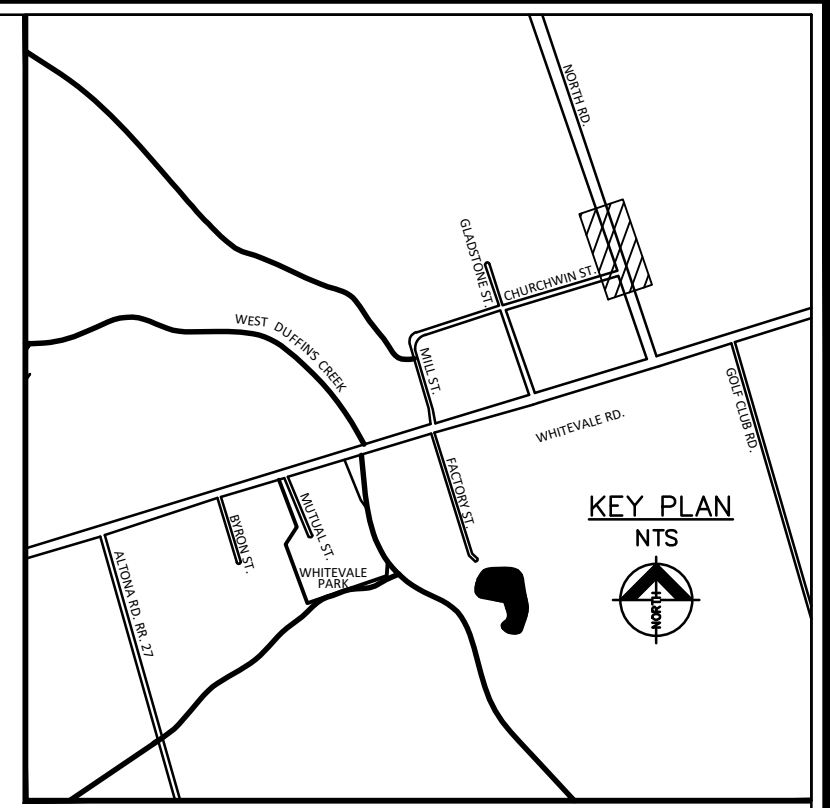
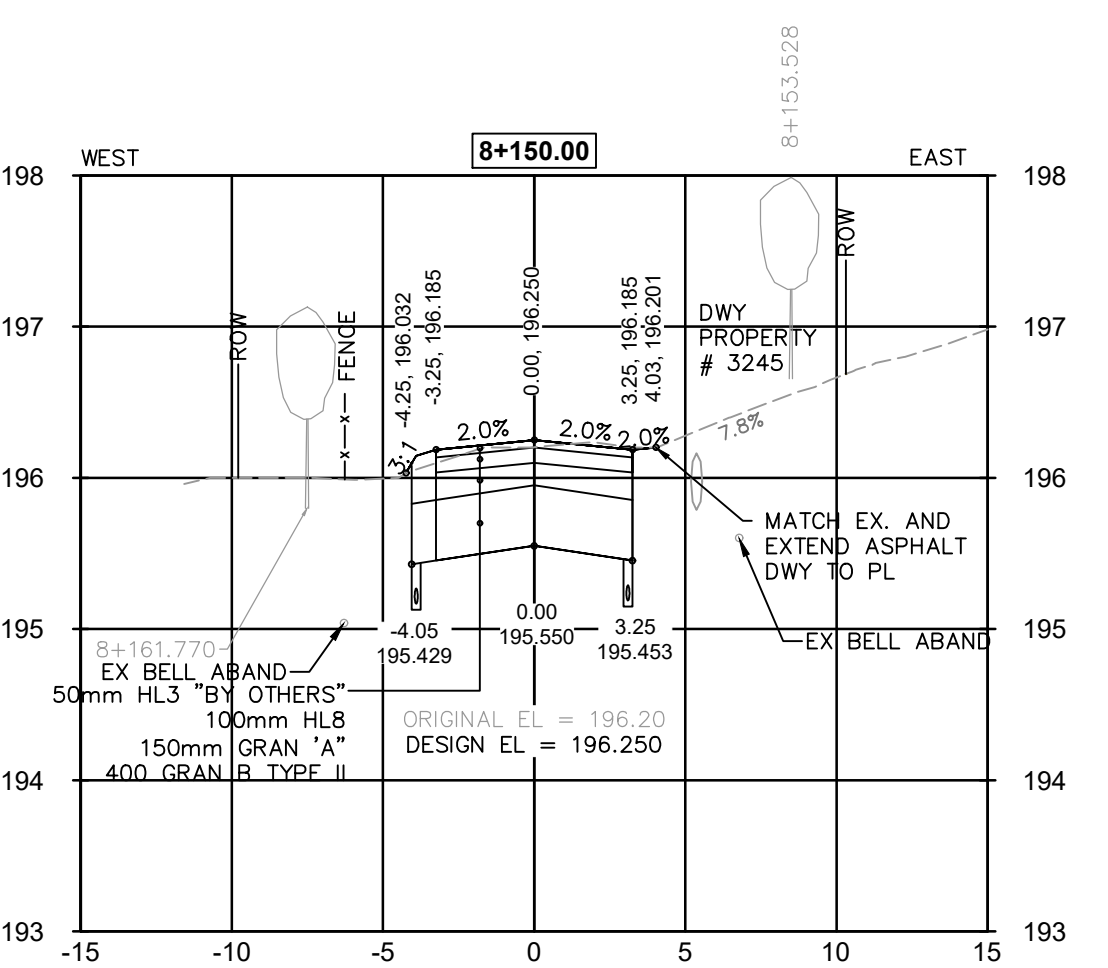
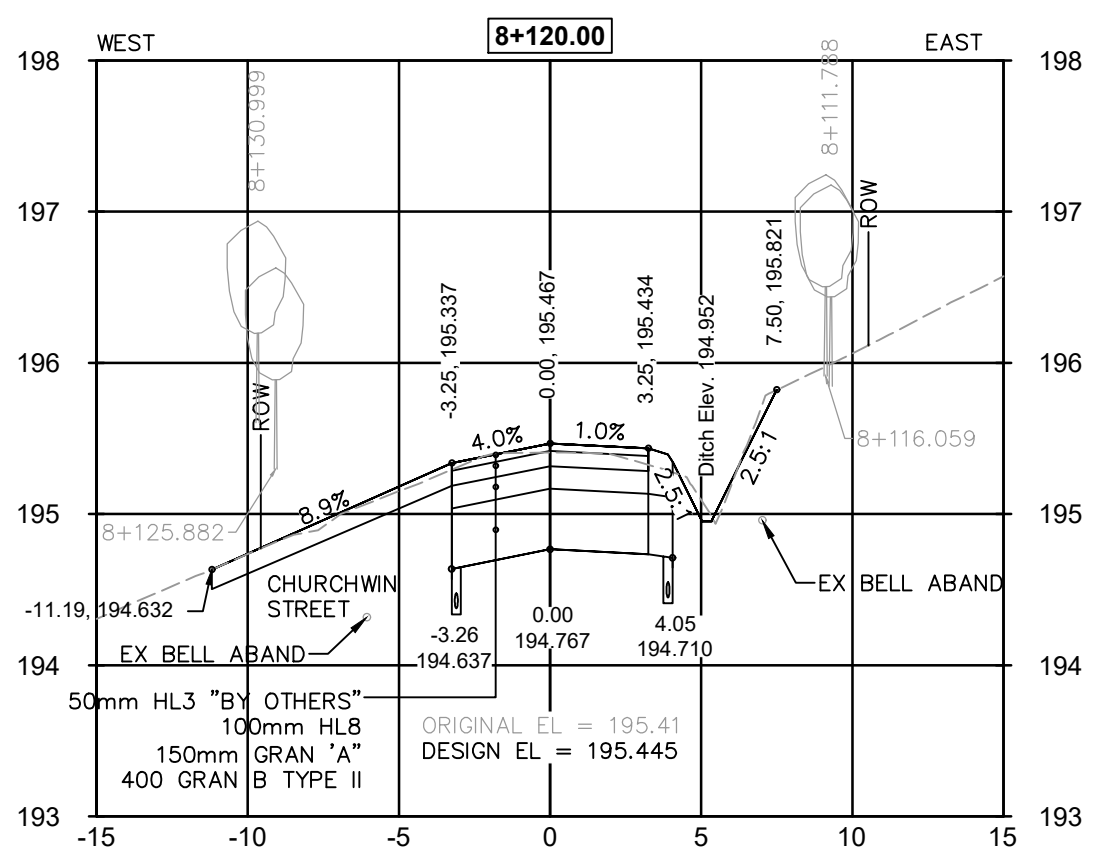
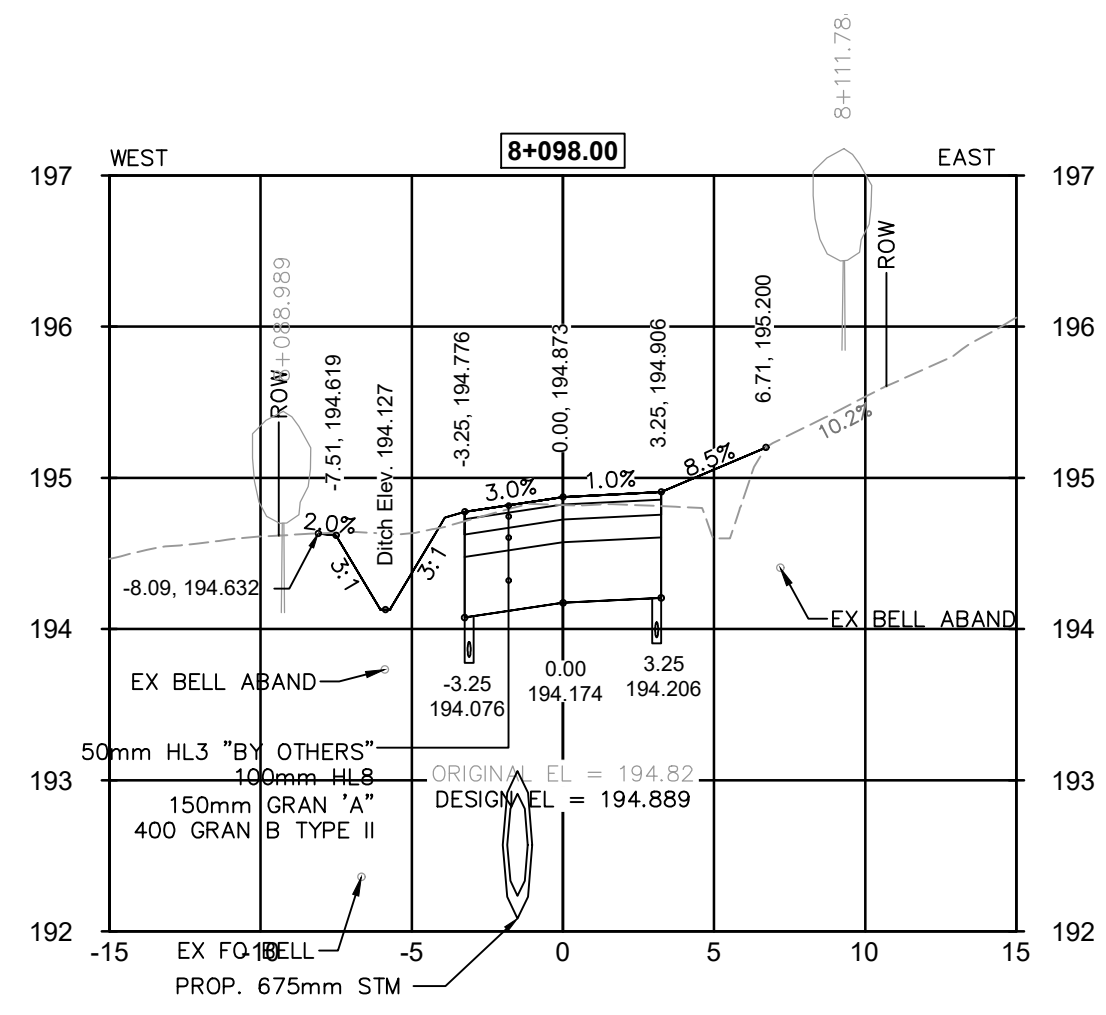
1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of PICKERING

NORTH ROAD CROSS SECTIONS STA. 8+010.00 TO STA. 8+085.55

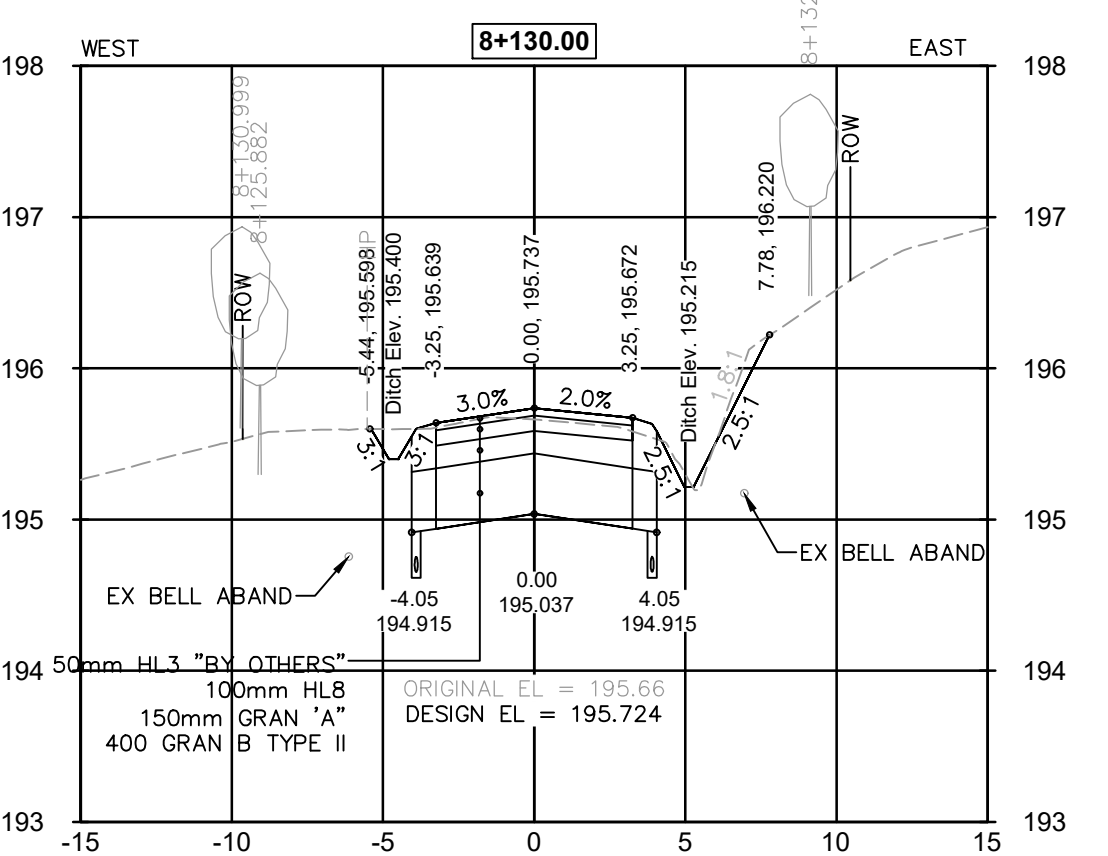
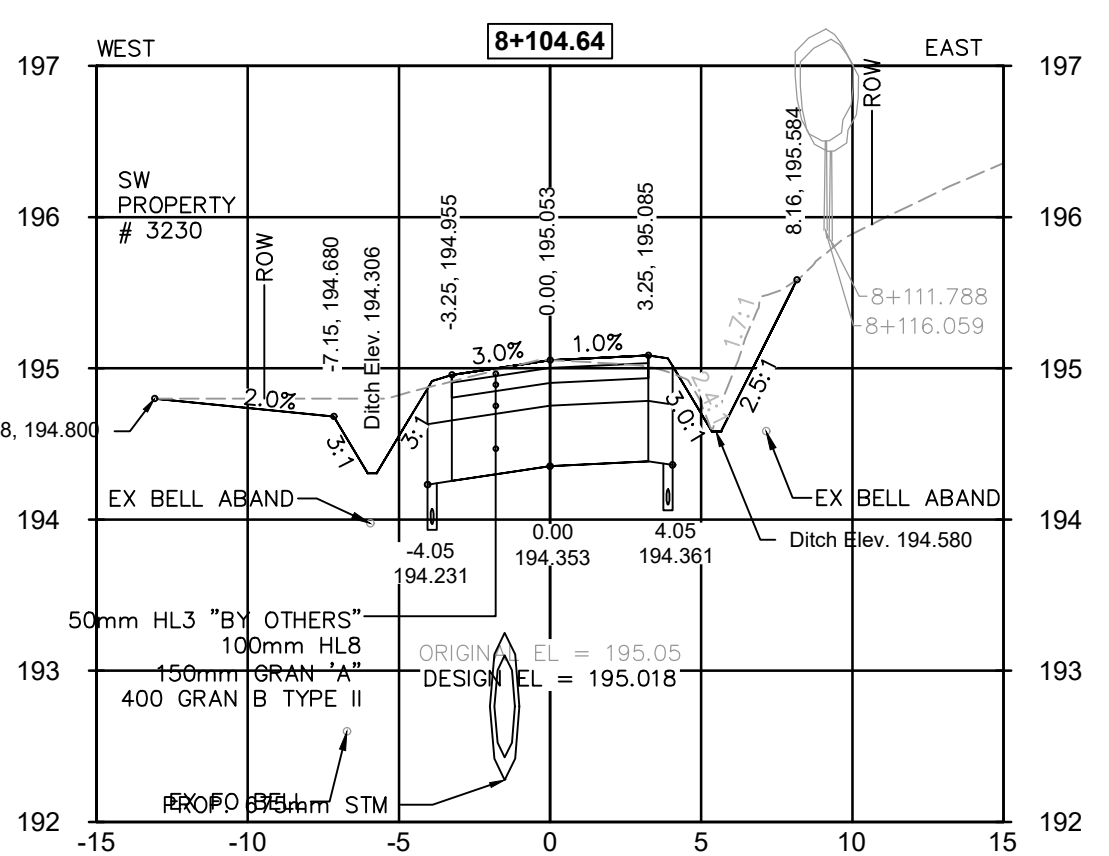
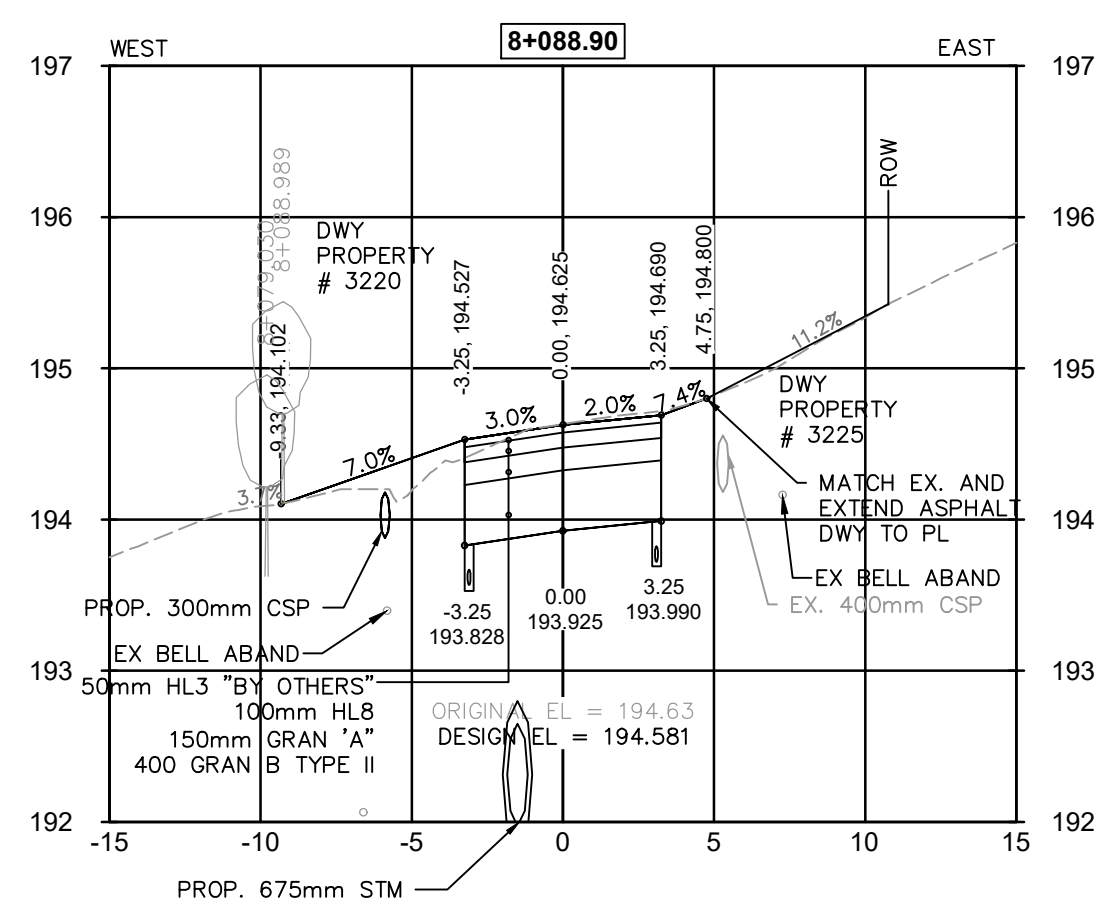
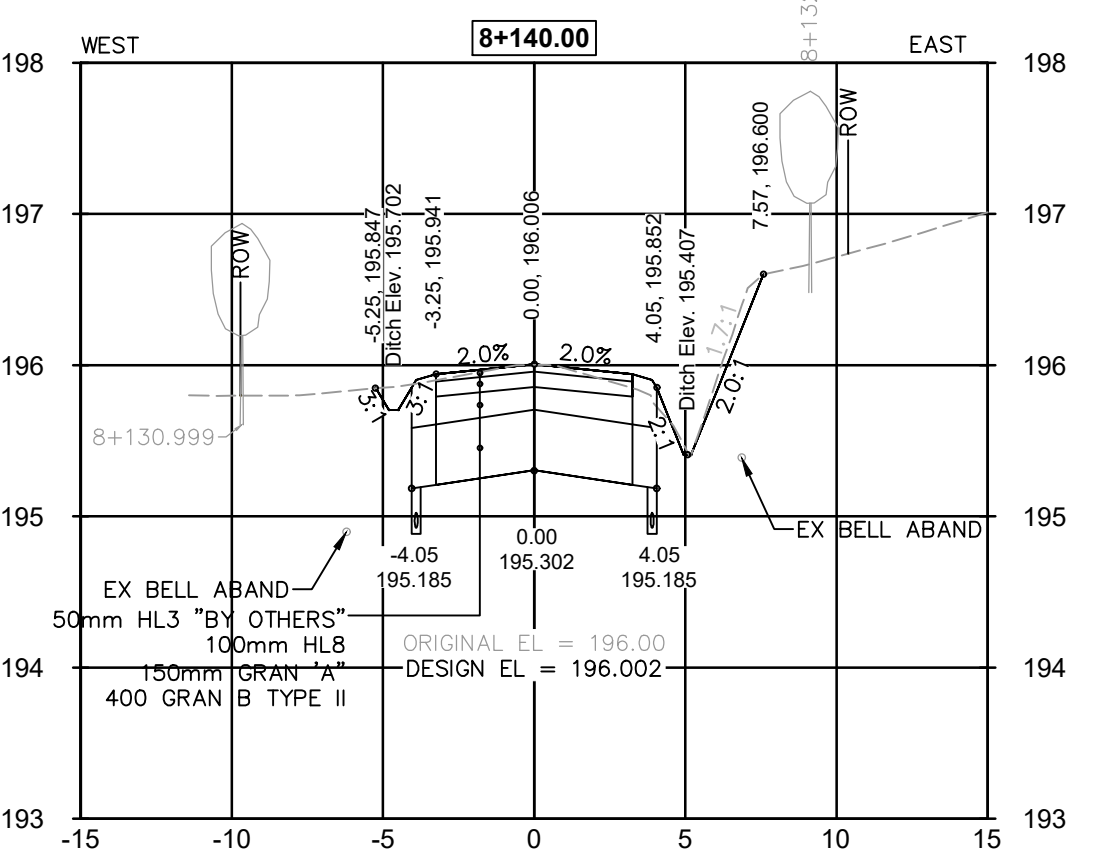
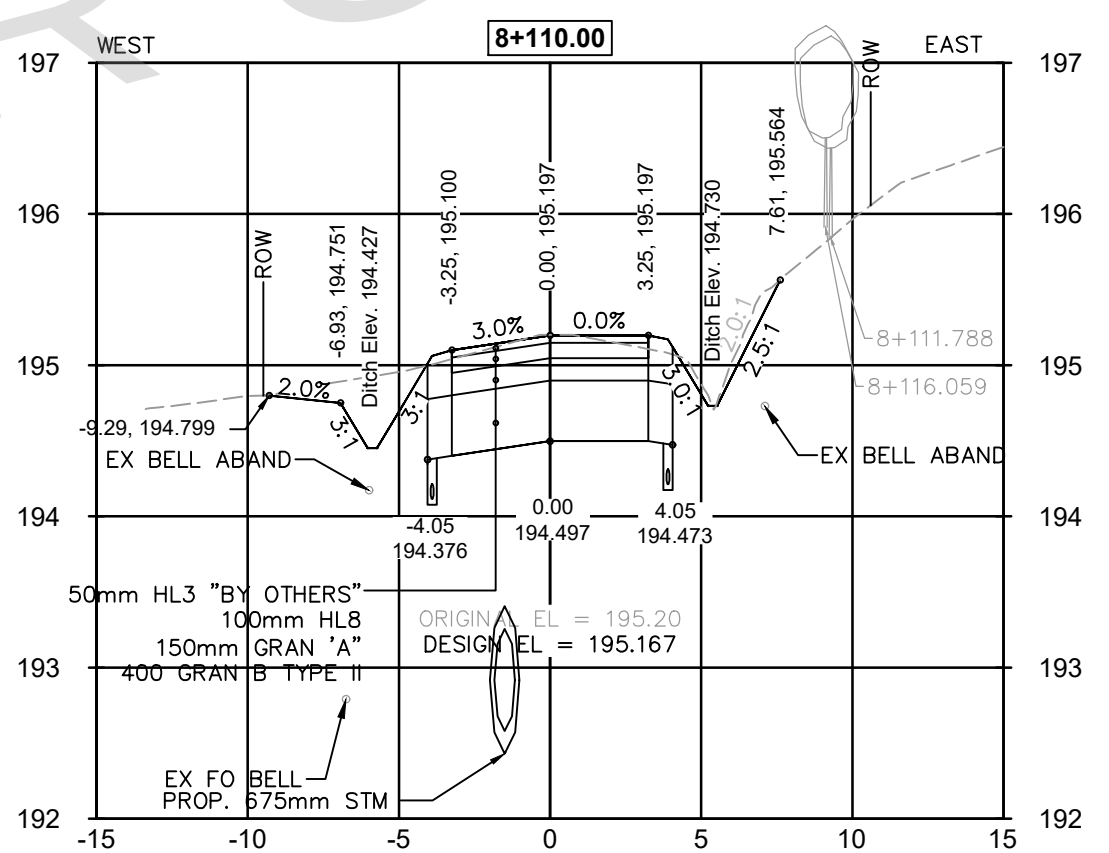
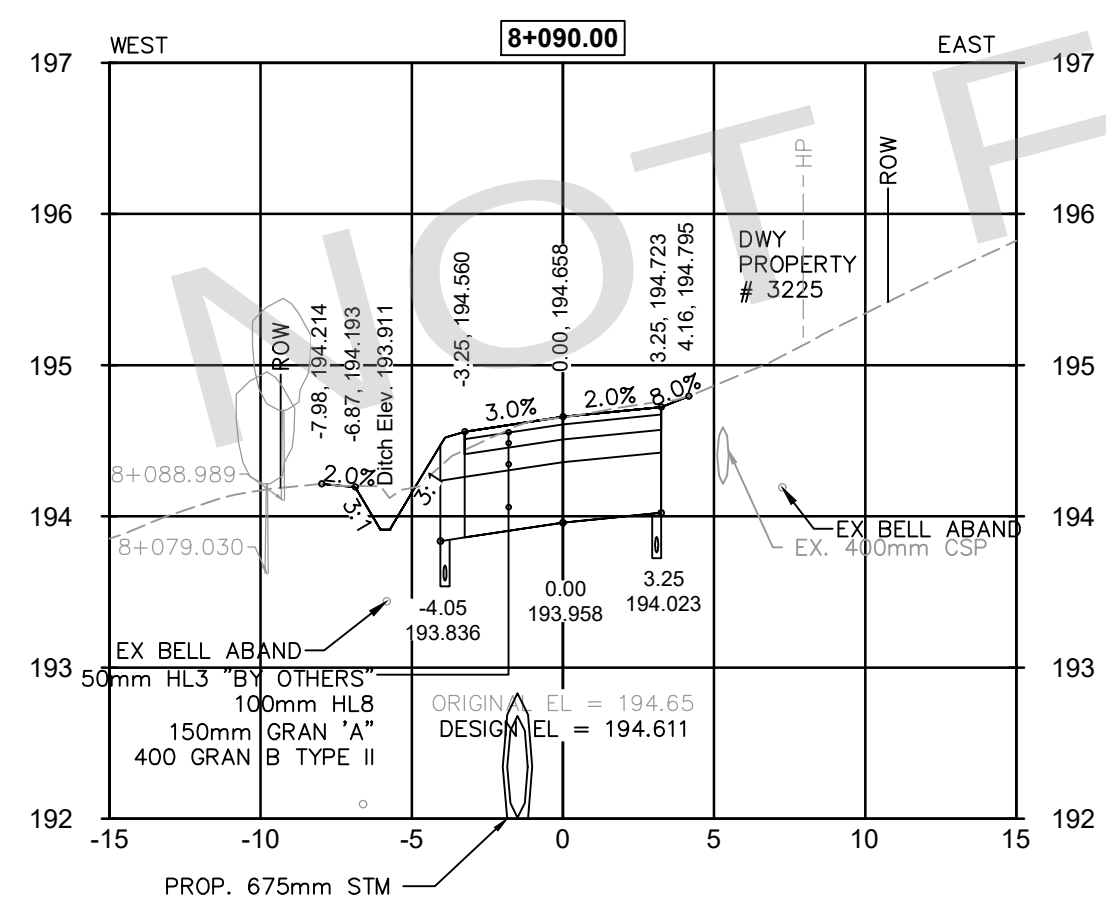
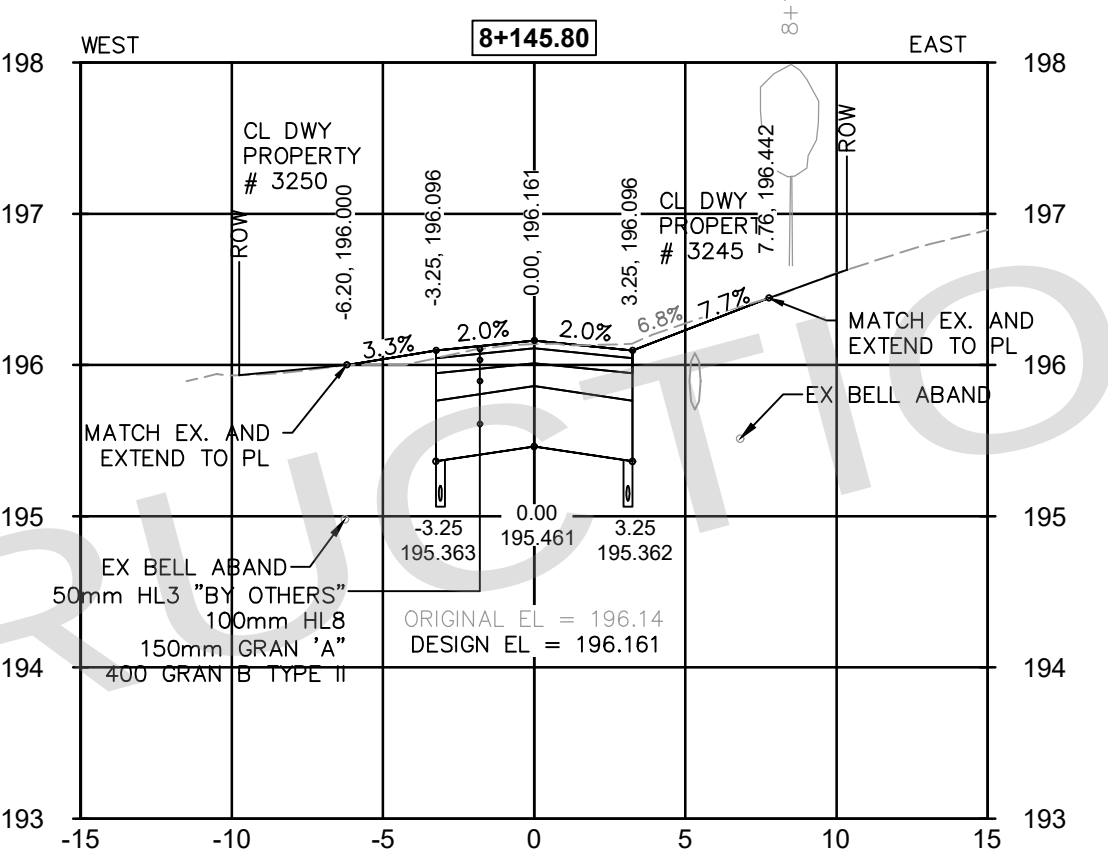
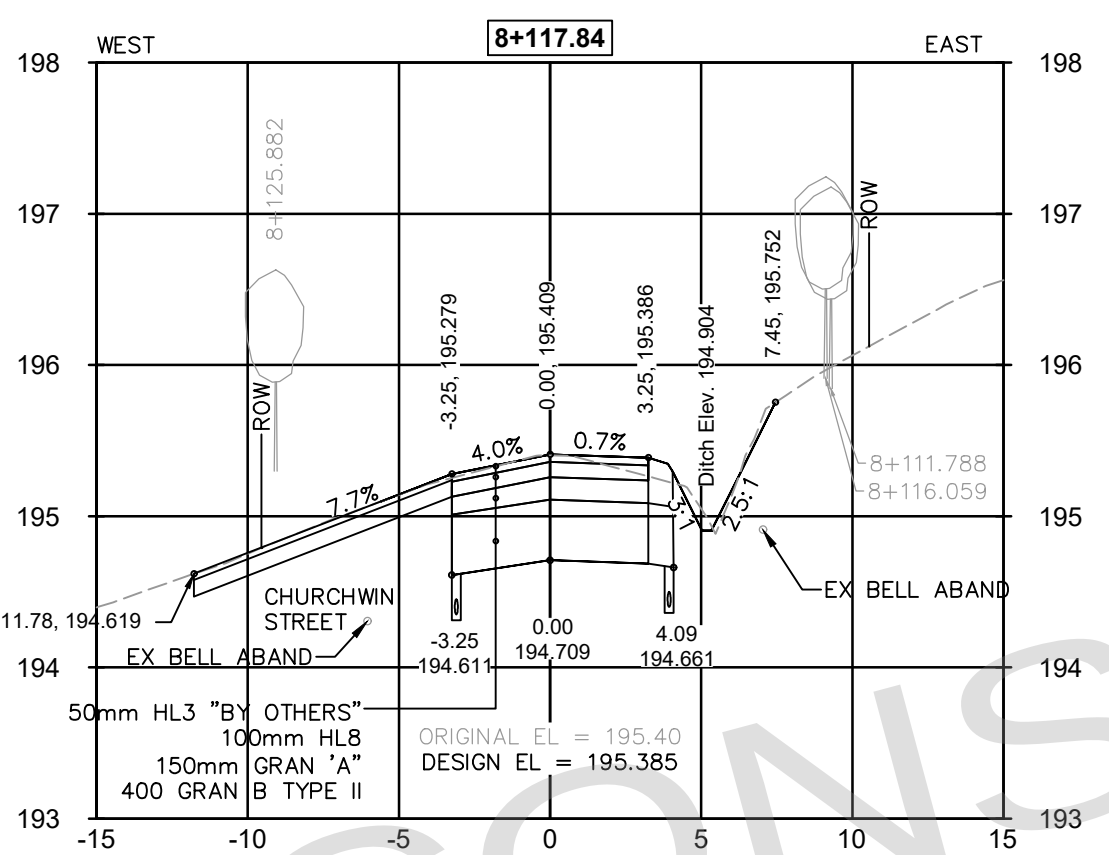
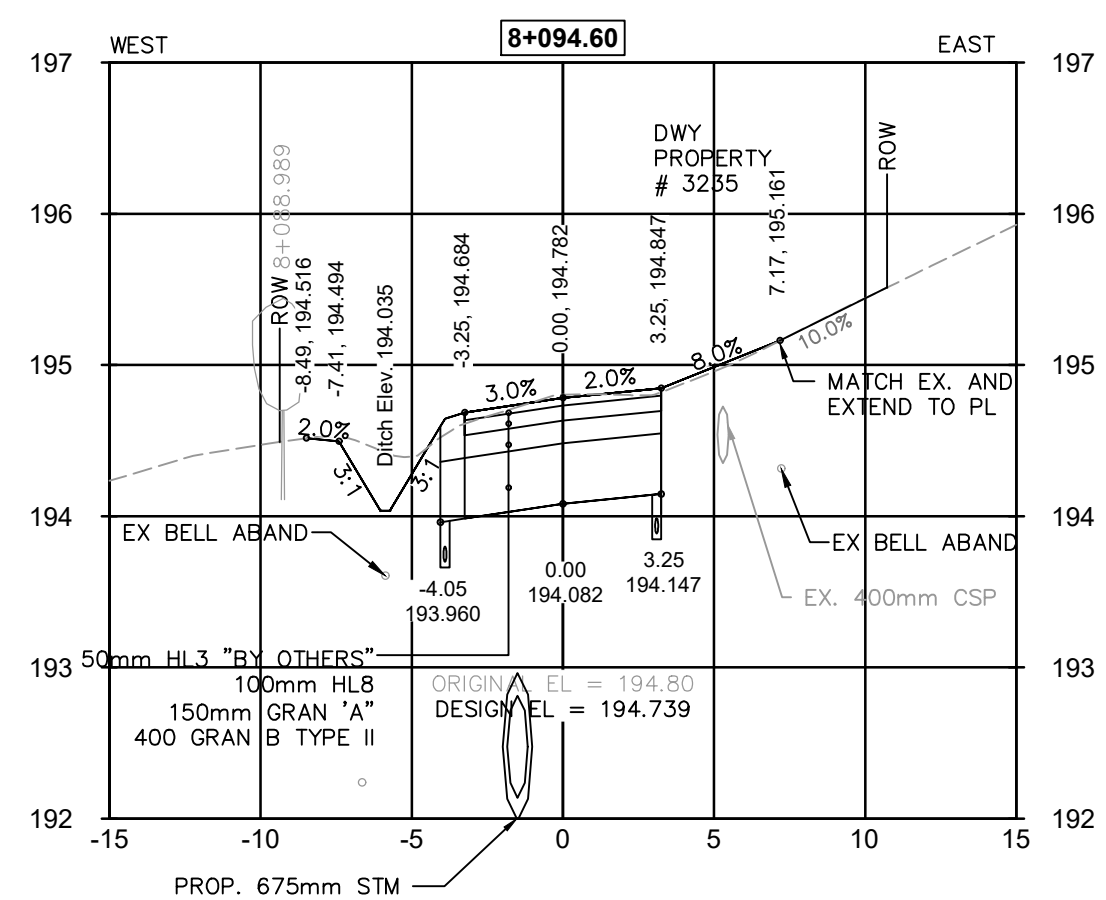
SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	H 1:250 V 1:50	PROFILE SCALE:	

DRAWING No.	XS-006	SHEET 21 of 48
-------------	--------	----------------



- NOTES:**
- GENERAL**
- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 - FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSITOR SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSITOR/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.



BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM
PROJECT No. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

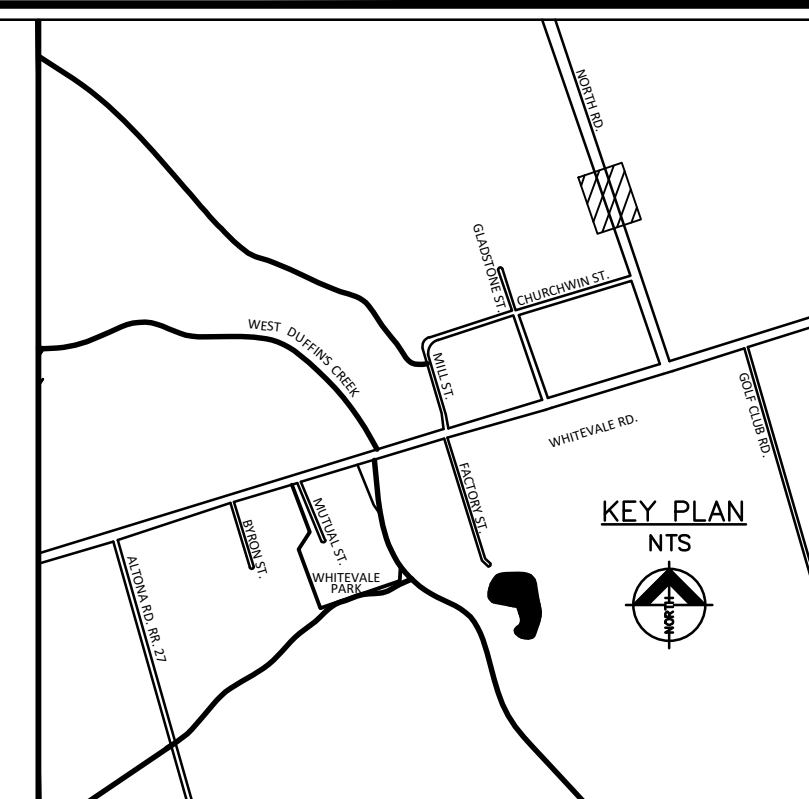
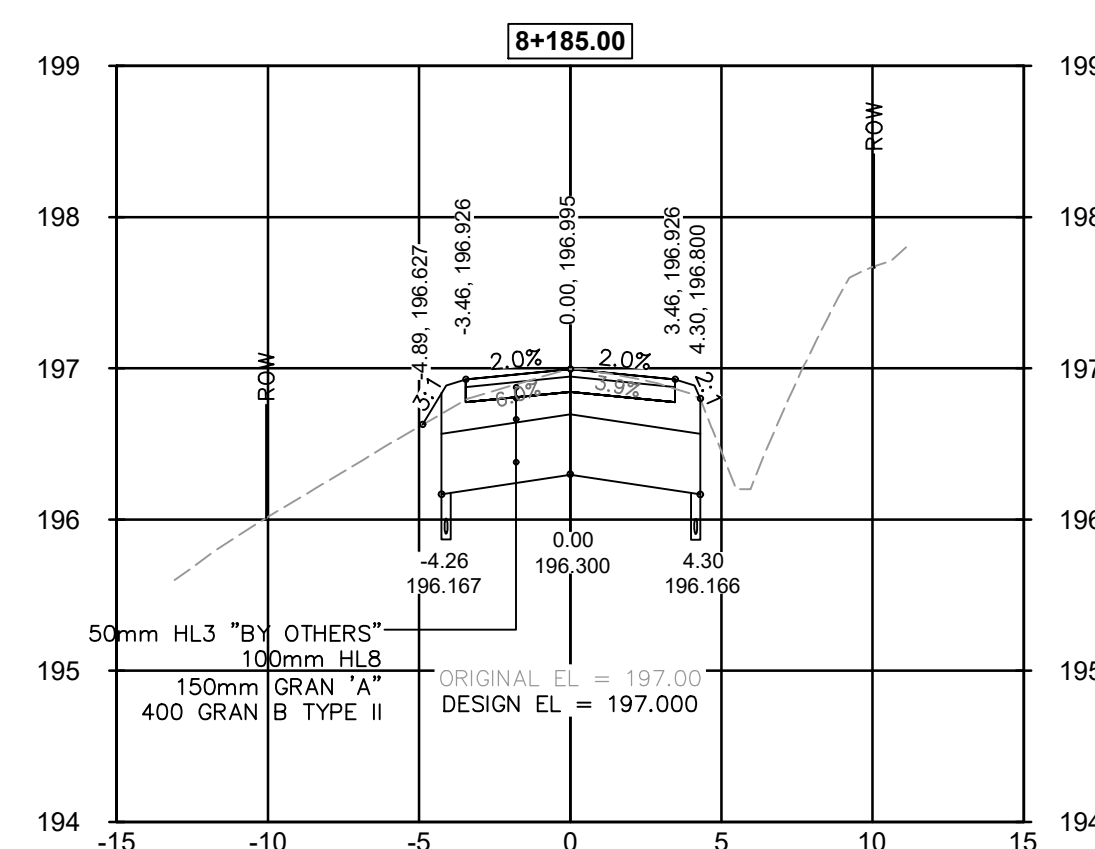
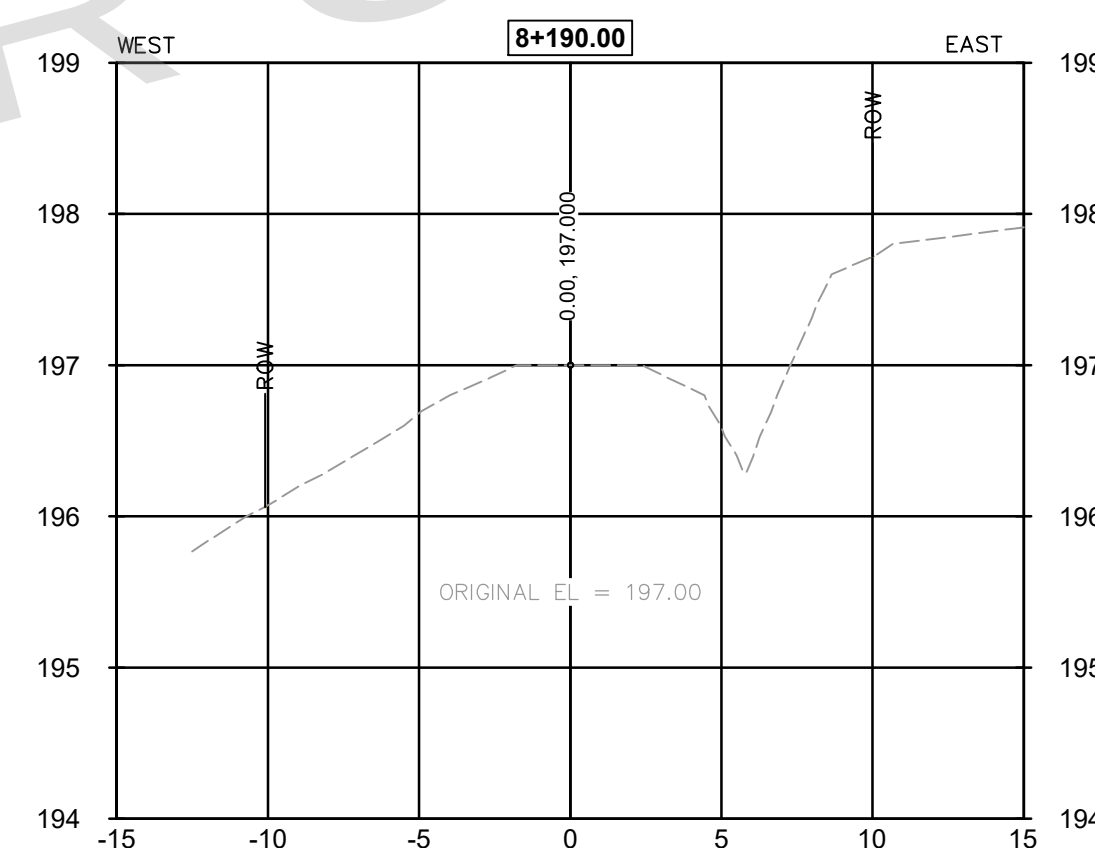
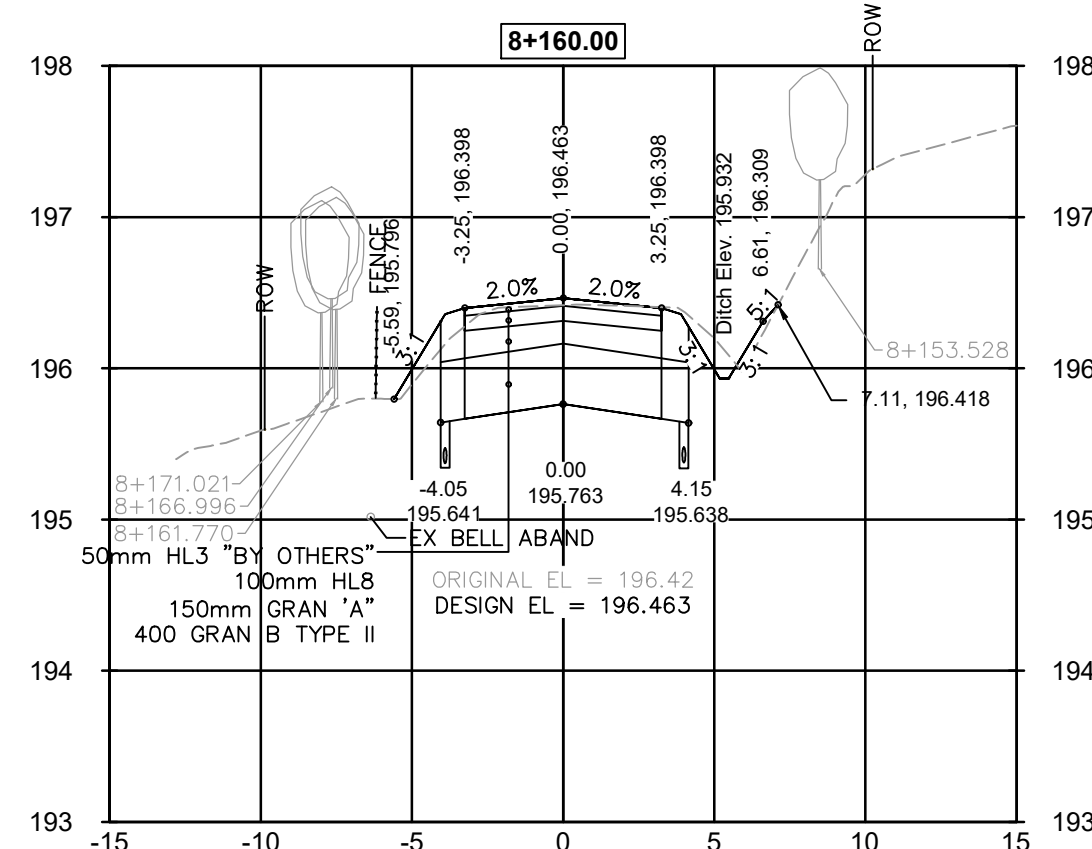
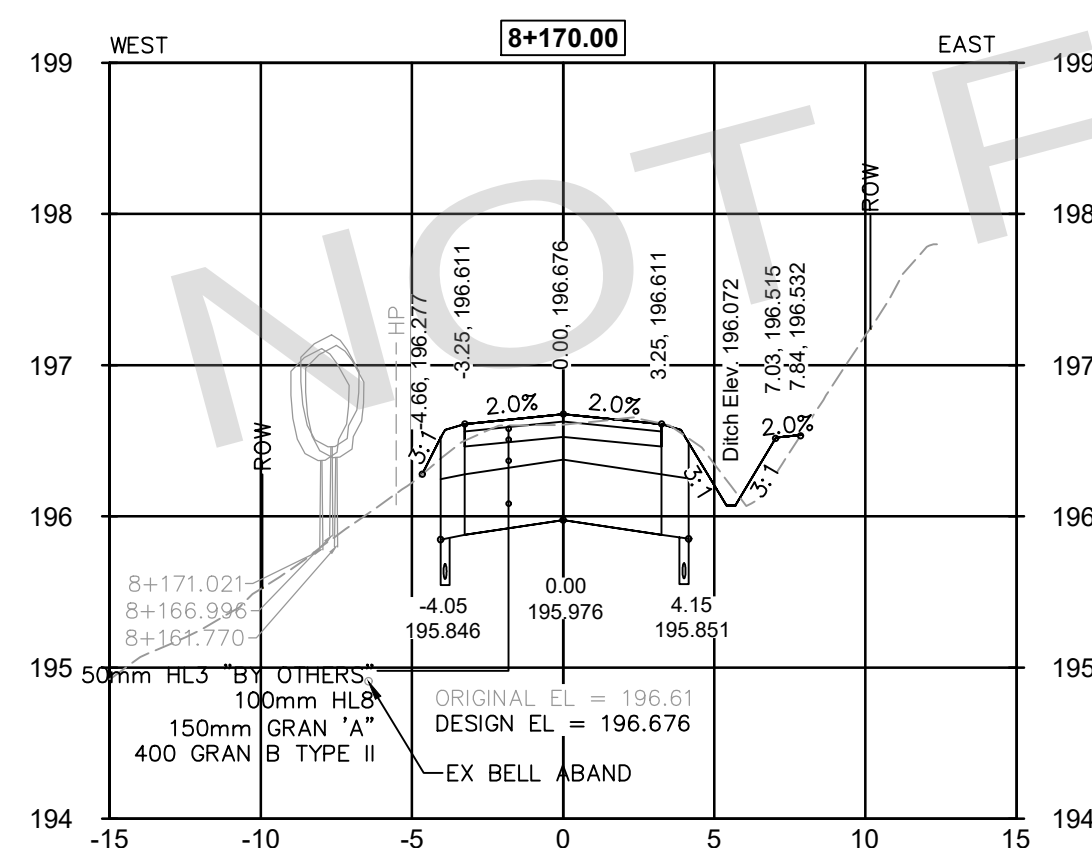
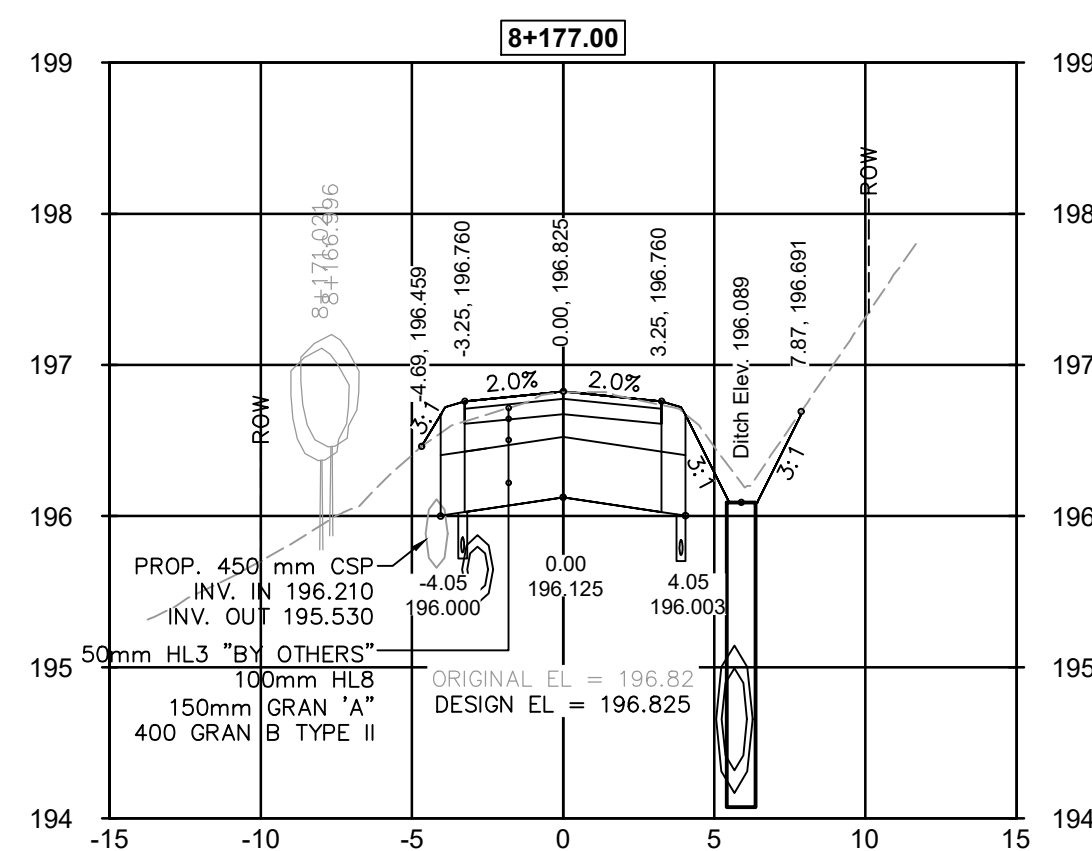
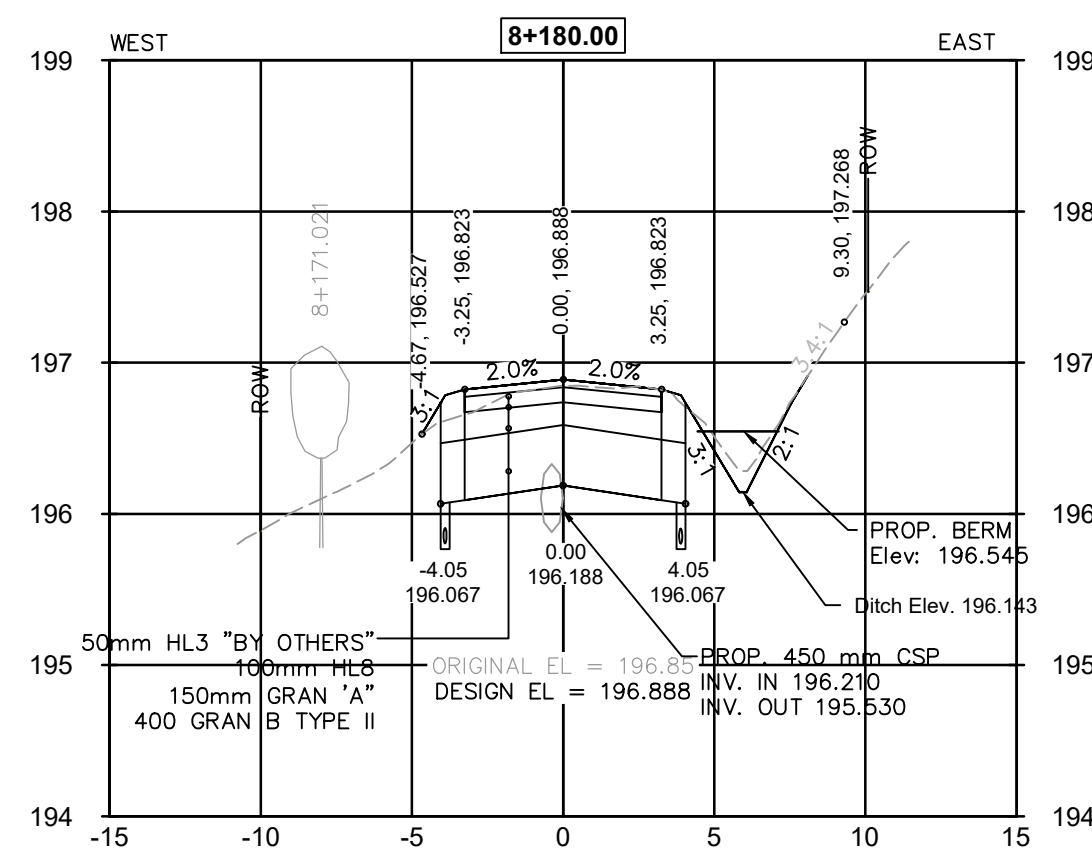
City of PICKERING

TITLE
NORTH ROAD CROSS SECTIONS
STA. 8+088.90 TO STA. 8+160.00

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	H 1:250 V 1:50	PROFILE SCALE:	

TENDER No. Q2026-25

DRAWING No. XS-007	SHEET 22 of 48
-----------------------	----------------



LOCATION MAP

NOTES:

GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES AGENCIES BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY OTHER AGENCIES FOR TRAFFIC CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL DURING THE COURSE OF THE PROJECT.
5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE STAFFARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPONENT SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPONENT/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRs)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

TITLE NORTH ROAD
CROSS SECTIONS
STA. 8+160.00 TO STA. 8+190.00

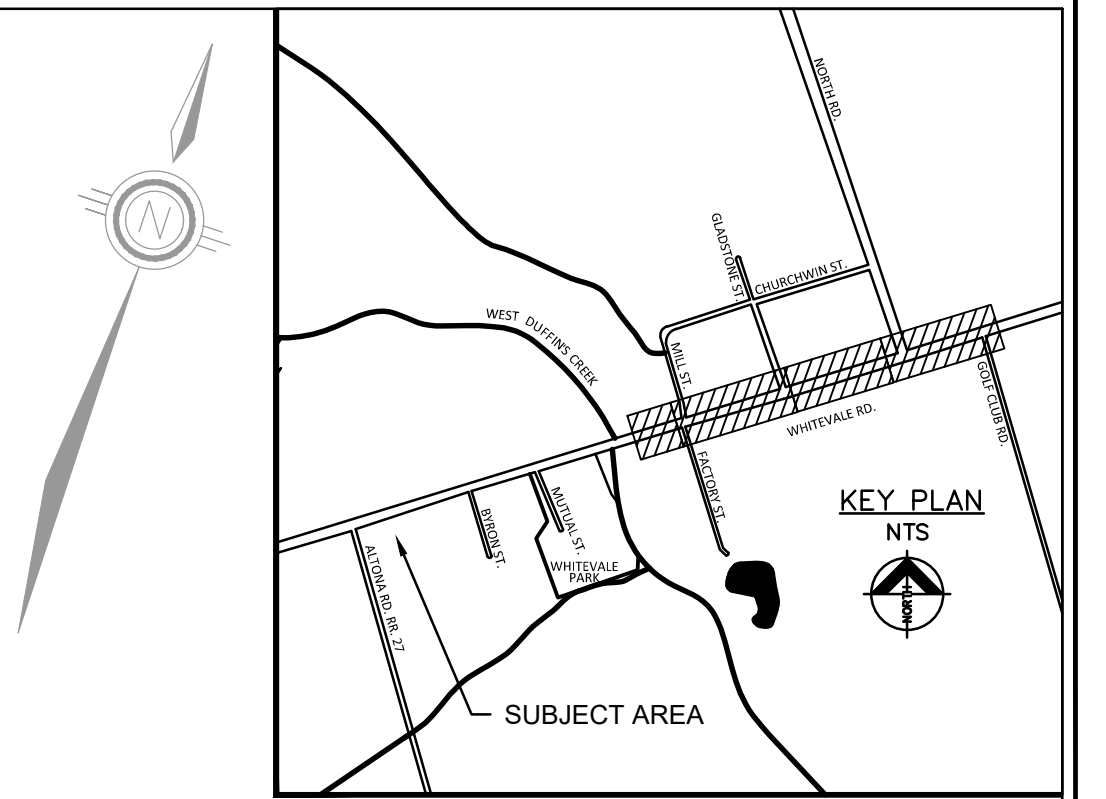
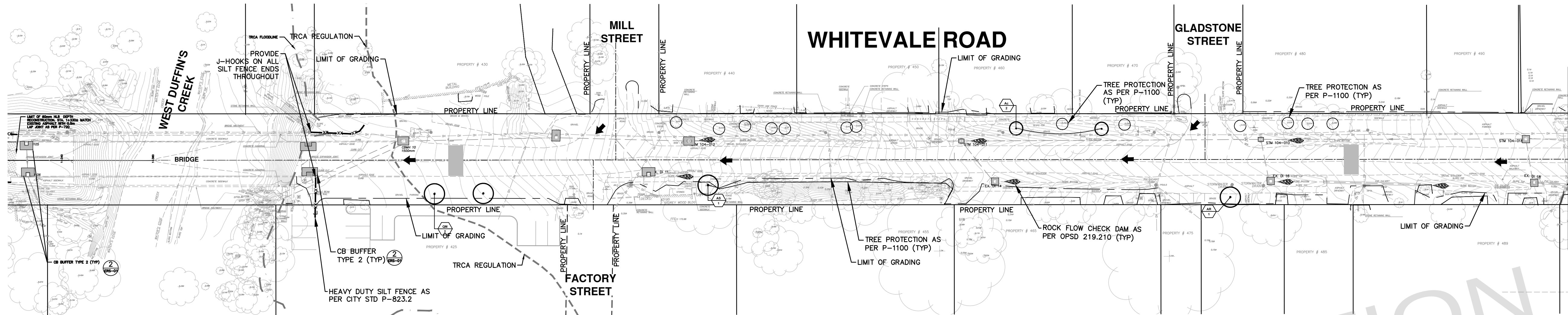
SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	H 1:250 V 1:50	☒ PROFILE SCALE:	

TENDER No. Q2026-25

DRAWING No.

XS-008

SHEET 23 of 48



- NOTES:
- GENERAL
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.
- TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOONENT SHOULD ENSURE THAT IN- WATER/NEAR- WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOONENT/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

- LEGEND
- EXISTING GROUND CONTOUR
 - LIGHT DUTY SILT FENCE AS PER OPSD 219.110
 - HEAVY DUTY SILT FENCE AS PER OPSD 219.130
 - TREE PROTECTION AS PER P-1100
 - ROCK FLOW CHECK DAM AS PER OPSD 219.210
 - CATCHBASIN BUFFER
 - OVERLAND FLOW DIRECTION

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

City of
PICKERING

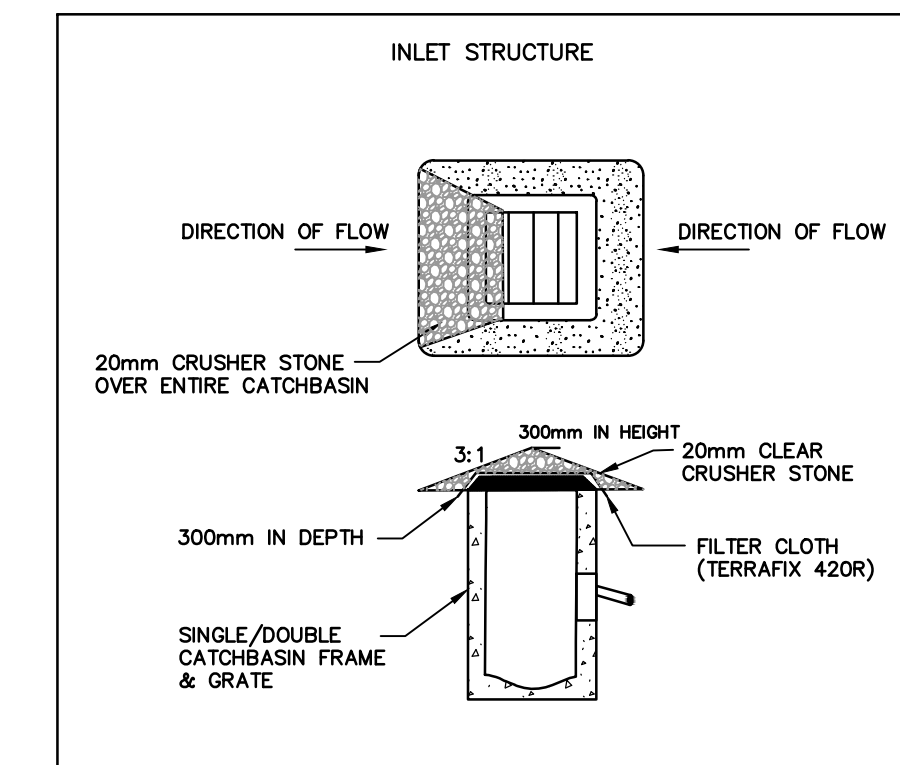
TITLE
**WHITEVALE ROAD
EROSION CONTROL PLAN
EXISTING CONDITIONS**

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	PROFILE SCALE:	

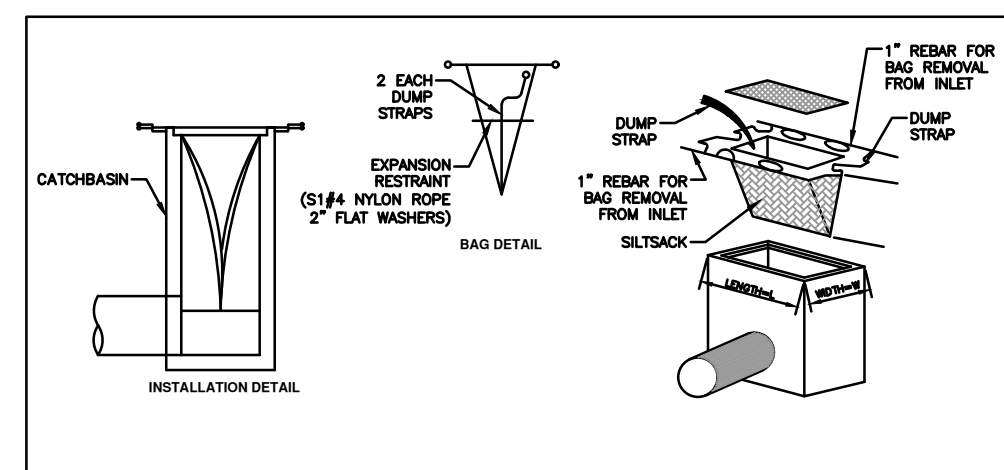
TENDER No. Q2026-25

DRAWING No. ERS-01	SHEET 24 of 48
------------------------------	----------------

FOR TREE REMOVAL AND PROTECTION MEASURES
SEE ARBORIST REPORT AND TREE PRESERVATION
PLAN PREPARED BY AECOM DATED MAY 2026



DETAIL
CATCHBASIN BUFFER TYPE 1

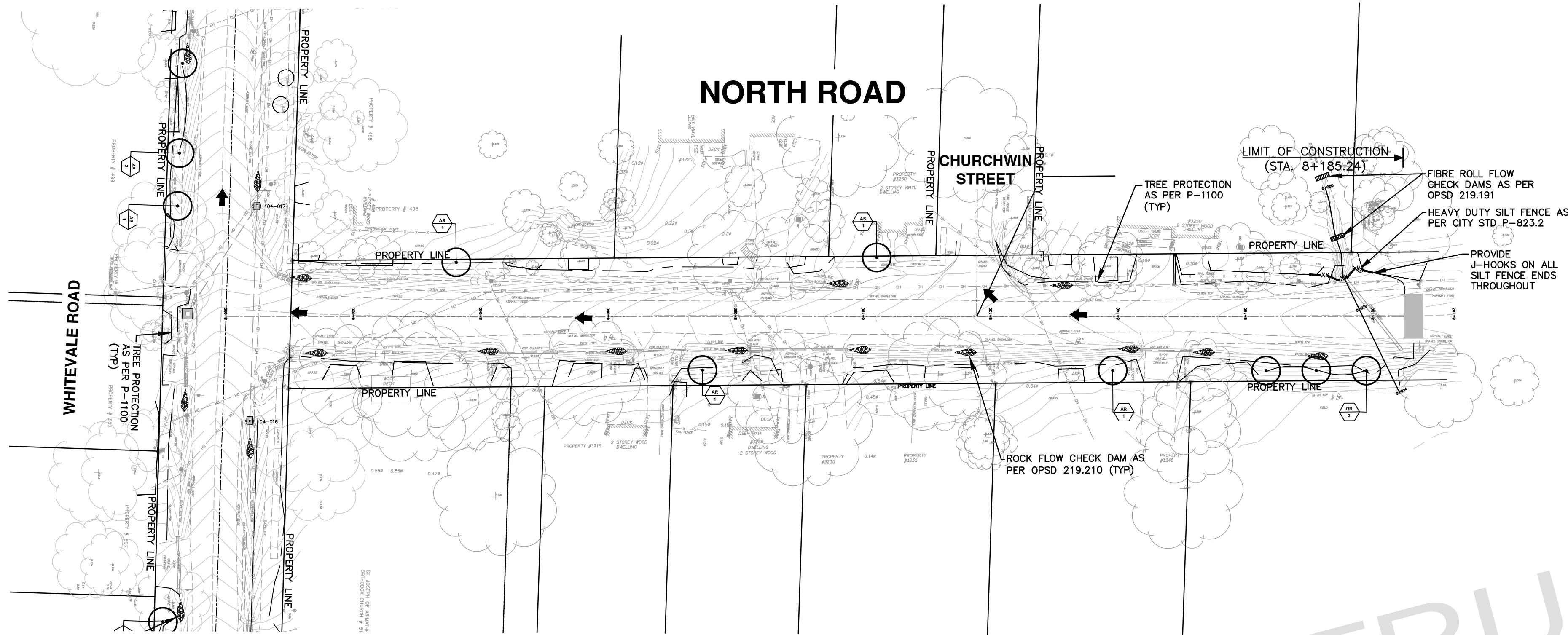


DETAIL
CATCHBASIN BUFFER TYPE 2

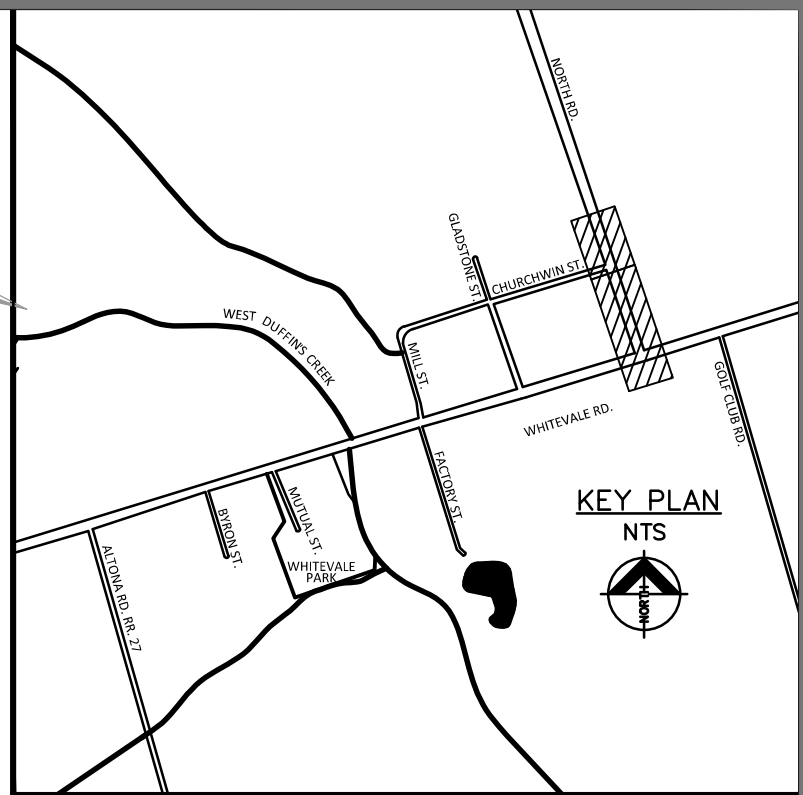
CATCHBASIN BUFFERS

PRIOR TO CONSTRUCTION, ALL PROPOSED AND EXISTING DITCH INLETS/CATCHBASIN SHALL BE PROTECTED WITH CATCHBASIN BUFFERS FOLLOWING INSTALLATION:
1. TYPE 1 CATCHBASIN BUFFER SHALL CONFORM TO DETAIL 1. CATCHBASIN BUFFERS SPECIFIED ON DITCH INLET STRUCTURE SHALL BE COMPRISED OF TERRAFIX FILTERCLOTH 270R OVERLAIN WITH A MINIMUM 150MM THICKNESS OF 100MM DIA CLEAR STONE. THE FILTERCLOTH SHALL BE SECURED TO THE DITCH INLET GRATING SUCH THAT ONLY THE BOTTOM HALF OF THE GRATING IS UTILIZED AS A SEDIMENT BARRIER.
2. TYPE 2 CATCHBASIN BUFFERS SHALL CONFORM TO DETAIL 2. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED ON ALL CB'S, UPON COMPLETION OF SERVICING

FOR EROSION AND SEDIMENT NOTES
REFER TO DRAWING ERS-2



FOR TREE REMOVAL AND PROTECTION MEASURES
SEE "ARBORIST REPORT AND TREE PRESERVATION
PLAN" PREPARED BY AECOM DATED MAY 2026



NOTES:

GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOONENT SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOONENT/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

LEGEND

- EXISTING GROUND CONTOUR
- LIGHT DUTY SILT FENCE AS PER OPSD 219.110
- HEAVY DUTY SILT FENCE AS PER OPSD 219.130
- TREE PROTECTION AS PER P-1100
- ROCK FLOW CHECK DAM AS PER OPSD 219.210
- CATCHBASIN BUFFER
- OVERLAND FLOW DIRECTION

GENERAL EROSION & SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, AS DIRECTED BY THE ENGINEER OR THE CITY OF PICKERING.
2. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AND SHALL BE DETERMINED BY THE ENGINEER OR CITY OF PICKERING.
3. THE LOCATION OF EROSION AND SEDIMENT CONTROL DETAILS ARE SHOWN SCHEMATICALLY ON THIS DRAWING.
4. SEDIMENT CONTROL FENCE TO USE GEOTEXTILE WITH WEAVE DENSITY OF 270R TERRAFIX OR EQUIVALENT.
5. CONTRACTOR TO PROVIDE ALL ROCK CHECK DAMS AND CATCHBASINS SEDIMENT TRAPS ON ALL EXISTING CATCHBASINS PRIOR TO START OF CONSTRUCTION
6. CATCHBASIN SEDIMENT TRAPS TO BE PLACED ON ALL PROPOSED CATCHBASINS IMMEDIATELY FOLLOWING INSTALLATION OF CATCHBASIN.
7. ALL SWALES ARE TO BE STABILIZED PRIOR TO USE.
8. INSPECTION OF THE PROPOSED EROSION AND SEDIMENT CONTROL MEASURES WILL OCCUR ON A WEEKLY BASIS, AFTER RAINFALL EVENTS EXCEEDING 10mm OR AFTER RAPID SNOW MELT EVENTS AND DAILY DURING EXTENDED RAIN OR SNOW MELT PERIODS. THE SILT FENCE MUST BE INSPECTED FOR RIPS OR TEARS, BROKEN STAKES, BLOW OUTS AND ACCUMULATION OF SEDIMENT. THE SILT FENCE MUST BE FIXED AND/OR REPLACED IMMEDIATELY WHEN DAMAGED. ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE SILT FENCE WHEN ACCUMULATION REACHES 50% OF THE HEIGHT OF THE FENCE.
9. ROCK CHECK DAMS ARE TO BE CLEANED OF ALL ACCUMULATED SEDIMENT AS SOON AS SEDIMENT HAS ACCUMULATED TO A DEPTH GREATER THAN 50% OF ALL THE UPSTREAM CHECK DAMS.
10. ALL SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED IN GOOD REPAIR DURING ALL PHASES OF CONSTRUCTION. ALL DEFICIENCIES ARE TO BE RECTIFIED WITHIN 48 HOURS OF INSPECTION.
11. THE ESC STRATEGIES ON THESE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES. FAILED ESC MEASURES MUST BE REPAIRED IMMEDIATELY.
12. CONTRACTOR TO CLEAN ROADS ON A REGULAR BASIS OR AS DIRECTED BY THE ENGINEER. THE ROAD SHALL AT A MINIMUM BE SCRAPPED DAILY AND FLUSHED ON FRIDAY EVENING OR SATURDAY MORNING.
13. DUST CONTROL TO BE REVIEWED DAILY. WATER TRUCK TO BE PROVIDED ON-SITE AND ALL HAUL ROADS/WORKING AREAS TO BE SPRAYED WITH WATER AS REQUIRED TO ENSURE DUST IS CONTROLLED ON-SITE.
14. ADDITIONAL EROSION AND SEDIMENT CONTROL MATERIALS (I.E. SILT FENCES, STRAWBALES, CLEAR STONE ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIR.
15. ALL EROSION AND SEDIMENTATION CONTROL MEASURES TO REMAIN IN PLACE UNTIL VEGETATION HAS BEEN RE-ESTABLISHED.
16. AT THE END OF THE CONSTRUCTION PERIOD, ACCUMULATED SEDIMENT IS TO BE REMOVED OFF SITE PRIOR TO THE REMOVAL OF THE SILT FENCE.
17. ALL LITTER AND DEBRIS SHALL BE MONITORED AND DISPOSED OF DAILY OR AS NECESSARY THROUGH REGULAR INSPECTION.
18. IF CONSTRUCTION ACTIVITY IS INTERRUPTED AND/OR INACTIVITY EXCEEDS 30 DAYS, ALL STRIPPED/BARE AREAS ARE TO BE STABILIZED WITH SEED/MULCH.
19. ANY TREES SELECTED BY LANDSCAPE ARCHITECT FOR PRESERVATION TO BE PROTECTED BY TREE PROTECTION FENCING (OPSD 320.010).
20. NO MACHINERY WILL BE ALLOWED TO ENTER THE CREEK BED. MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE VICINITY OF ANY CREEK WILL BE LIMITED TO THE MINIMUM REQUIRED FOR CONSTRUCTION. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES IN THE WATER. VEHICULAR REFUELLING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30m FROM ANY WATERCOURSE.
21. DUST CONTROL TO BE REVIEWED DAILY. WATER TRUCK TO BE PROVIDED ON-SITE AND ALL HAUL ROADS/WORKING AREAS TO BE SPRAYED WITH WATER AS REQUIRED TO ENSURE DUST IS CONTROLLED ON-SITE.
22. CONTRACTOR TO ADHERE TO CITY OF PICKERING NOISE BY-LAWS. OPERATION WORKS ON SITE ARE TO BE FROM: MONDAY TO SATURDAY 7AM TO 7PM NO SUNDAY SITE OPERATIONS ARE PERMITTED

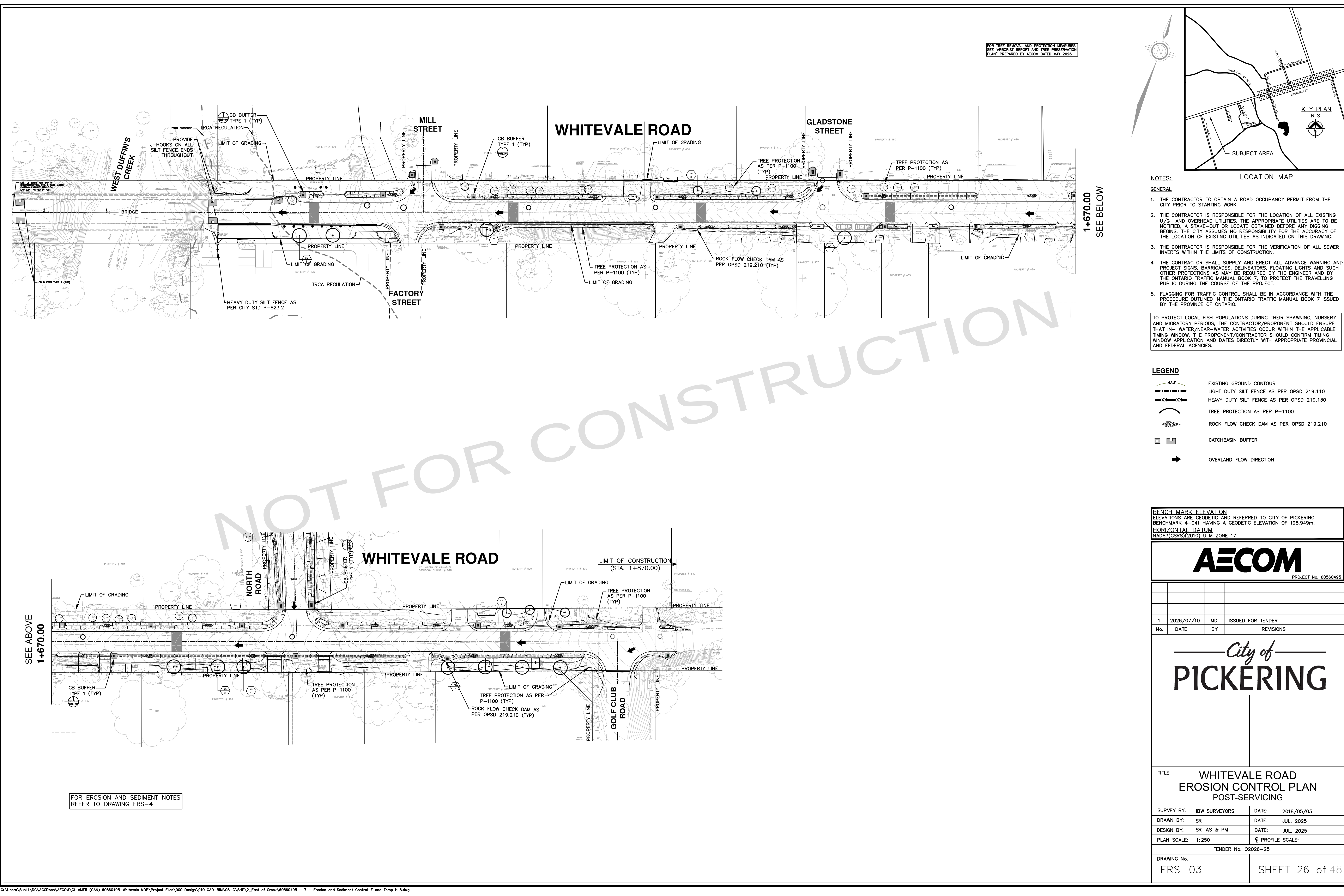
MONITORING OF SEDIMENT CONTROL MEASURES

1. AFTER THE CONTRACTOR HAS INSTALLED THE SEDIMENT CONTROLS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR A REVIEW OF THE INSTALLED MEASURES BEFORE ANY EARTHWORKS CAN BEGIN.
2. THE CONTRACTOR SHALL, ON A DAILY BASIS, INSPECT EROSION AND SEDIMENT CONTROL MEASURES IN PLACE. ANY DAMAGED OR INEFFECTIVE MEASURE SHALL BE RECTIFIED WITHIN 48 HOURS.
 - ON A WEEKLY BASIS
 - BEFORE AND AFTER ALL SIGNIFICANT RAINFALL EVENTS.
 - AFTER ALL SIGNIFICANT SNOWMELT EVENTS.
 - DAILY DURING EXTENDED RAIN OR SNOWMELT EVENTS.
3. DURING INACTIVE CONSTRUCTION PERIODS (FOR EARTHWORKS AND SERVICING), THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED ON A MONTHLY SCHEDULE AND BEFORE AND AFTER SIGNIFICANT RAINFALL EVENTS.

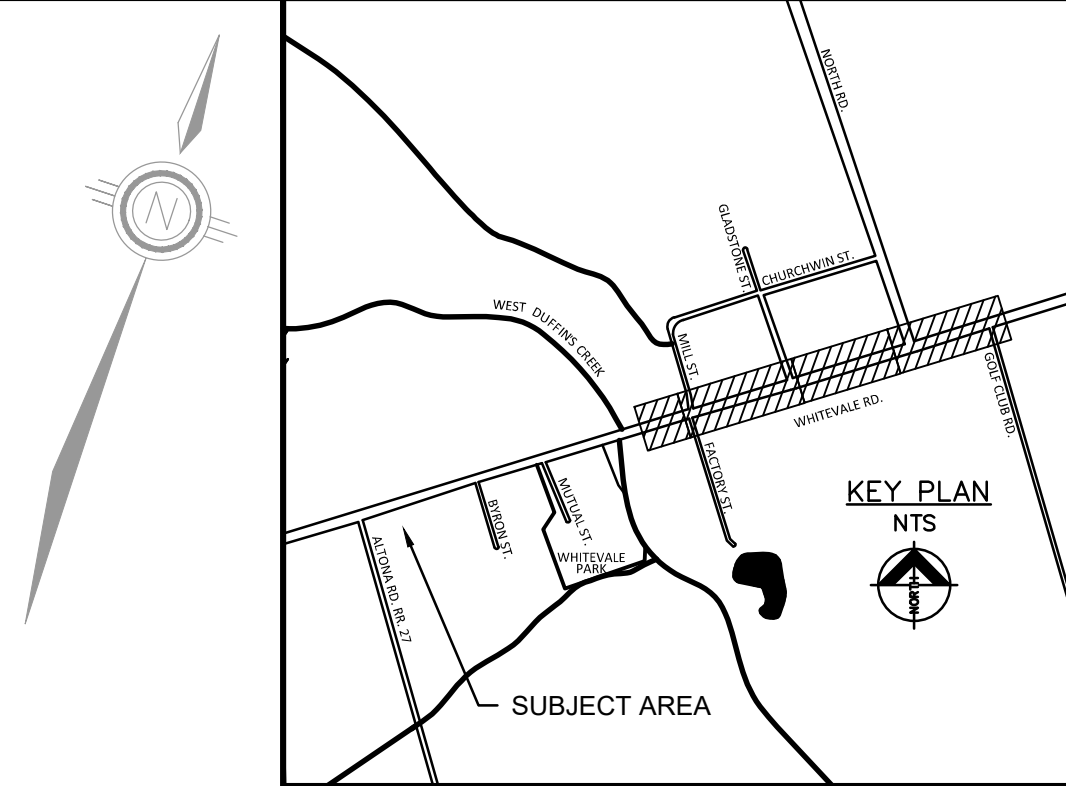
TRCA EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING THE CONSTRUCTION PHASES. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.
2. DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.
3. ALL IN-WATER AND NEAR WATER WORKS WILL BE CONDUCTED IN THE DRY WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS IN GOOD WORKING ORDER.
4. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE, ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE IMPACTS. A TRCA ENFORCEMENT OFFICER SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
5. AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS IMMEDIATELY AFTER INSTALLATION. INSPECTION OF ESC MEASURES WILL OCCUR, AT MINIMUM:
 - ON A WEEKLY BASIS;
 - PRIOR TO SIGNIFICANT RAINFALL EVENTS (MINIMUM PREDICTED 25MM OVER 24 HOURS);
 - AFTER EVERY RAINFALL/SNOWMELT EVENT, AND
 - DAILY DURING EXTENDED RAINFALL PERIODS.INSPECTIONS WILL FOCUS ON MEASURES RELATED TO ESCS, DEWATERING OR UNWATERING, OR RESTORATION IN- OR NEAR- WATER WORKS AND PROVIDE ADVICE TO ENSURE THAT ACTIVITIES AS PER THE APPROVED TRCA PERMIT ARE EFFECTIVELY MITIGATED AS CONSTRUCTION PROCEEDS. SHOULD CONCERNS ARISE ON SITE, THE ENVIRONMENTAL MONITOR WILL CONTACT THE TRCA ENFORCEMENT OFFICER (FOR APPROVED PERMITS) AND PROJECT MANAGER (FOR ISSUED TRCA PROJECT COMPLIANCE REVIEW) AS WELL AS THE PROPOONENT, IF ISSUES ARISE.
6. ALL GRADES WITHIN THE REGULATORY FLOOD PLAIN WILL BE MAINTAINED OR MATCHED.
7. THE PROPOONENT/CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR WILL REMOVE ALL UNFIXED ITEMS FROM THE REGULATORY FLOOD PLAIN THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL OR AN OBSTRUCTION TO FLOW, (E.G., FUEL TANKS, PORTA-POTTIES, MACHINERY, EQUIPMENT, CONSTRUCTION MATERIALS, ETC).
8. ALL DEWATERING/UNWATERING SHALL BE TREATED AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE OR WETLAND AND ALLOWED TO DRAIN THROUGH A WELL-VEGETATED AREA. NO DEWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE, WETLAND OR OTHER REGULATED FEATURE OR HAZARD, OR ALLOWED TO DRAIN ONTO DISTURBED SOILS WITHIN THE WORK AREA. THESE CONTROL MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF THE ESC MEASURES.
9. ALL ACCESS TO THE WORK SITE SHALL BE FROM EITHER SIDE OF THE WATERCOURSE. NO EQUIPMENT OR VEHICLES ARE PERMITTED TO CROSS THROUGH THE WATERCOURSE UNLESS APPROVED BY TRCA.
10. NO STAGING OR STORAGE WILL OCCUR WITHIN TRCA'S REGULATED AREA, UNLESS SHOWN ON THE APPROVED DRAWINGS.
11. PLEASE NOTIFY THE FOLLOWING CONTACTS 48 HOURS PRIOR TO COMMENCING CONSTRUCTION: TRCA ENFORCEMENT (T: 437-880-2124; E: INSPECTIONS@TRCA.CA) FOR APPROVED PERMITS AND THE TRCA PROJECT MANAGER FOR ISSUED TRCA PROJECT COMPLIANCE REVIEWS. PLEASE ENSURE YOU QUOTE THE TRCA FILE NUMBER OR TRCA PERMIT NUMBER IN YOUR NOTIFICATION.

BENCH MARK ELEVATION ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m. HORIZONTAL DATUM NAD83(CRS)(2010) UTM ZONE 17			
AECOM PROJECT No. 60560495			
1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS
City of PICKERING			
TITLE NORTH ROAD EROSION CONTROL PLAN EXISTING CONDITIONS			
SURVEY BY: IBW SURVEYORS		DATE: 2018/05/03	
DRAWN BY: SR		DATE: JUL, 2025	
DESIGN BY: SR-AS & PM		DATE: JUL, 2025	
PLAN SCALE: 1:250		§ PROFILE SCALE:	
TENDER No. Q2026-25			
DRAWING No. ERS-02		SHEET 25 of 48	



FOR TREE REMOVAL AND PROTECTION MEASURES
SEE ARBORIST REPORT AND TREE PRESERVATION
PLAN* PREPARED BY AECOM DATED MAY 2026



- NOTES:
- GENERAL
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPONENT SHOULD ENSURE THAT IN- WATER/NEAR- WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPONENT/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

- LEGEND
- EXISTING GROUND CONTOUR
 - LIGHT DUTY SILT FENCE AS PER OPSD 219.110
 - HEAVY DUTY SILT FENCE AS PER OPSD 219.130
 - TREE PROTECTION AS PER P-1100
 - ROCK FLOW CHECK DAM AS PER OPSD 219.210
 - CATCHBASIN BUFFER
 - OVERLAND FLOW DIRECTION

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

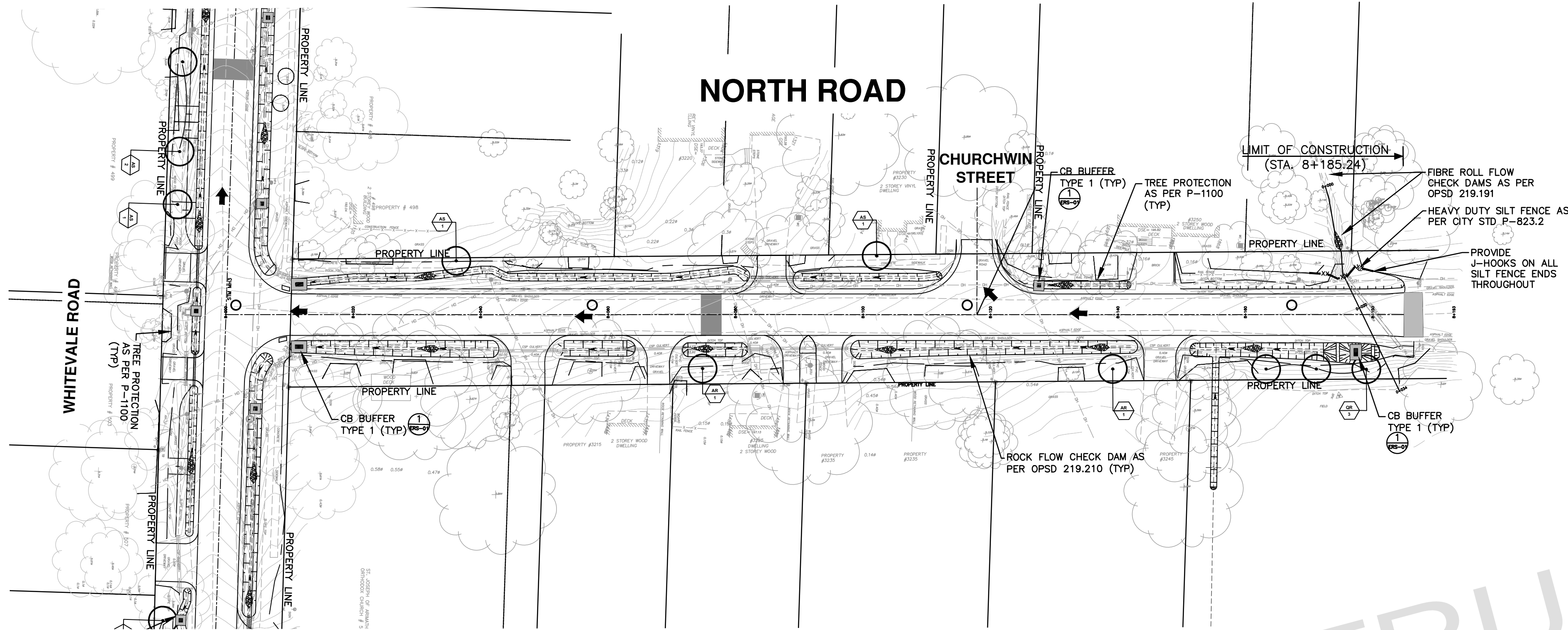
TITLE
**WHITEVALE ROAD
EROSION CONTROL PLAN
POST-SERVICING**

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SR	DATE:	JUL, 2025
DESIGN BY:	SR-AS & PM	DATE:	JUL, 2025
PLAN SCALE:	1:250	PROFILE SCALE:	

TENDER No. Q2026-25

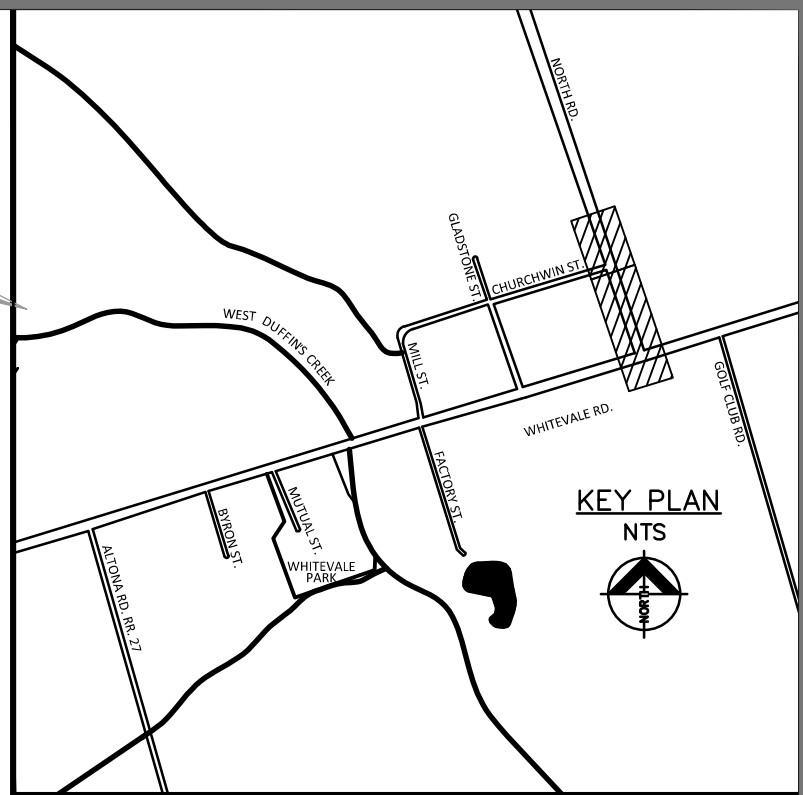
DRAWING No.	ERS-03	SHEET 26 of 48
-------------	--------	----------------

FOR TREE REMOVAL AND PROTECTION MEASURES
SEE ARBORIST REPORT AND TREE PRESERVATION
PLAN* PREPARED BY AECOM DATED MAY 2026



TRCA EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING THE CONSTRUCTION PHASES. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.
2. DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.
3. ALL IN-WATER AND NEAR WATER WORKS WILL BE CONDUCTED IN THE DRY WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS IN GOOD WORKING ORDER.
4. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE, ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE IMPACTS. A TRCA ENFORCEMENT OFFICER SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
5. AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS IMMEDIATELY AFTER INSTALLATION. INSPECTION OF ESC MEASURES WILL OCCUR, AT MINIMUM:
 - ON A WEEKLY BASIS;
 - PRIOR TO SIGNIFICANT RAINFALL EVENTS (MINIMUM PREDICTED 25MM OVER 24 HOURS);
 - AFTER EVERY RAINFALL/SNOWMELT EVENT; AND
 - DAILY DURING EXTENDED RAINFALL PERIODS.INSPECTIONS WILL FOCUS ON MEASURES RELATED TO ESCS, DEWATERING OR UNWATERING, OR RESTORATION IN- OR NEAR- WATER WORKS AND PROVIDE ADVICE TO ENSURE THAT ACTIVITIES AS PER THE APPROVED TRCA PERMIT ARE EFFECTIVELY MITIGATED AS CONSTRUCTION PROCEEDS. SHOULD CONCERNS ARISE ON SITE, THE ENVIRONMENTAL MONITOR WILL CONTACT THE TRCA ENFORCEMENT OFFICER (FOR APPROVED PERMITS) AND PROJECT MANAGER (FOR ISSUED TRCA PROJECT COMPLIANCE REVIEW) AS WELL AS THE PROPONENT, IF ISSUES ARISE.
6. ALL GRADES WITHIN THE REGULATORY FLOOD PLAIN WILL BE MAINTAINED OR MATCHED.
7. THE PROPONENT/CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR WILL REMOVE ALL UNFIXED ITEMS FROM THE REGULATORY FLOOD PLAIN THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL OR AN OBSTRUCTION TO FLOW, (E.G., FUEL TANKS, PORTA-POTTIES, MACHINERY, EQUIPMENT, CONSTRUCTION MATERIALS, ETC).
8. ALL DEWATERING/UNWATERING SHALL BE TREATED AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE OR WETLAND AND ALLOWED TO DRAIN THROUGH A WELL-VEGETATED AREA. NO DEWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE, WETLAND OR OTHER REGULATED FEATURE OR HAZARD, OR ALLOWED TO DRAIN ONTO DISTURBED SOILS WITHIN THE WORK AREA. THESE CONTROL MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF THE ESC MEASURES.
9. ALL ACCESS TO THE WORK SITE SHALL BE FROM EITHER SIDE OF THE WATERCOURSE. NO EQUIPMENT OR VEHICLES ARE PERMITTED TO CROSS THROUGH THE WATERCOURSE UNLESS APPROVED BY TRCA.
10. NO STAGING OR STORAGE WILL OCCUR WITHIN TRCA'S REGULATED AREA, UNLESS SHOWN ON THE APPROVED DRAWINGS.
11. PLEASE NOTIFY THE FOLLOWING CONTACTS 48 HOURS PRIOR TO COMMENCING CONSTRUCTION: TRCA ENFORCEMENT (T: 437-880-2124; E: INSPECTIONS@TRCA.CA) FOR APPROVED PERMITS AND THE TRCA PROJECT MANAGER FOR ISSUED TRCA PROJECT COMPLIANCE REVIEWS. PLEASE ENSURE YOU QUOTE THE TRCA FILE NUMBER OR TRCA PERMIT NUMBER IN YOUR NOTIFICATION.



NOTES:

GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROJECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
5. FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.

TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOONENT SHOULD ENSURE THAT IN- WATER/NEAR- WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPONENT/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

LEGEND

- EXISTING GROUND CONTOUR
- LIGHT DUTY SILT FENCE AS PER OPSD 219.110
- HEAVY DUTY SILT FENCE AS PER OPSD 219.130
- TREE PROTECTION AS PER P-1100
- ROCK FLOW CHECK DAM AS PER OPSD 219.210
- CATCHBASIN BUFFER
- OVERLAND FLOW DIRECTION

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS)(2011) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

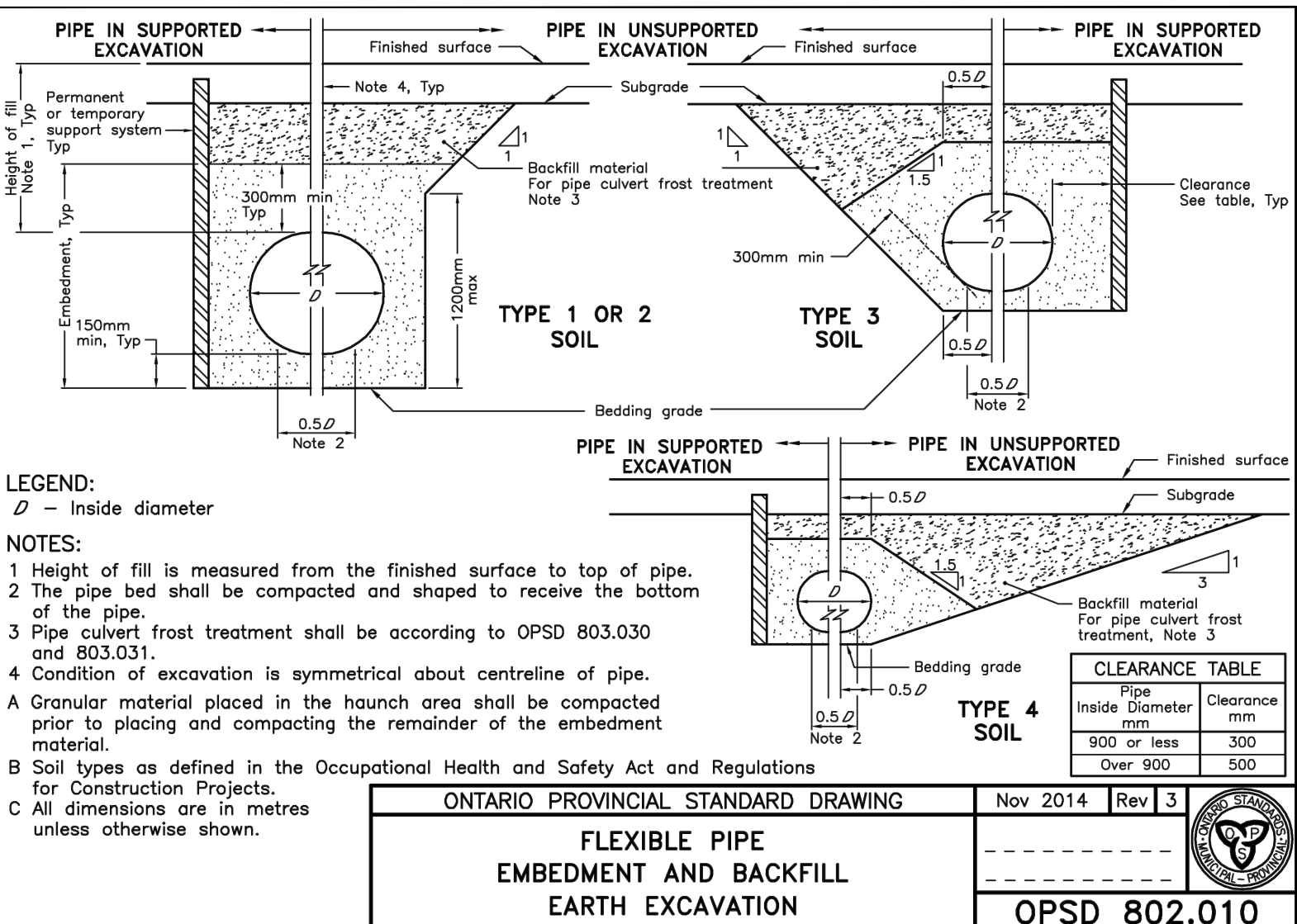
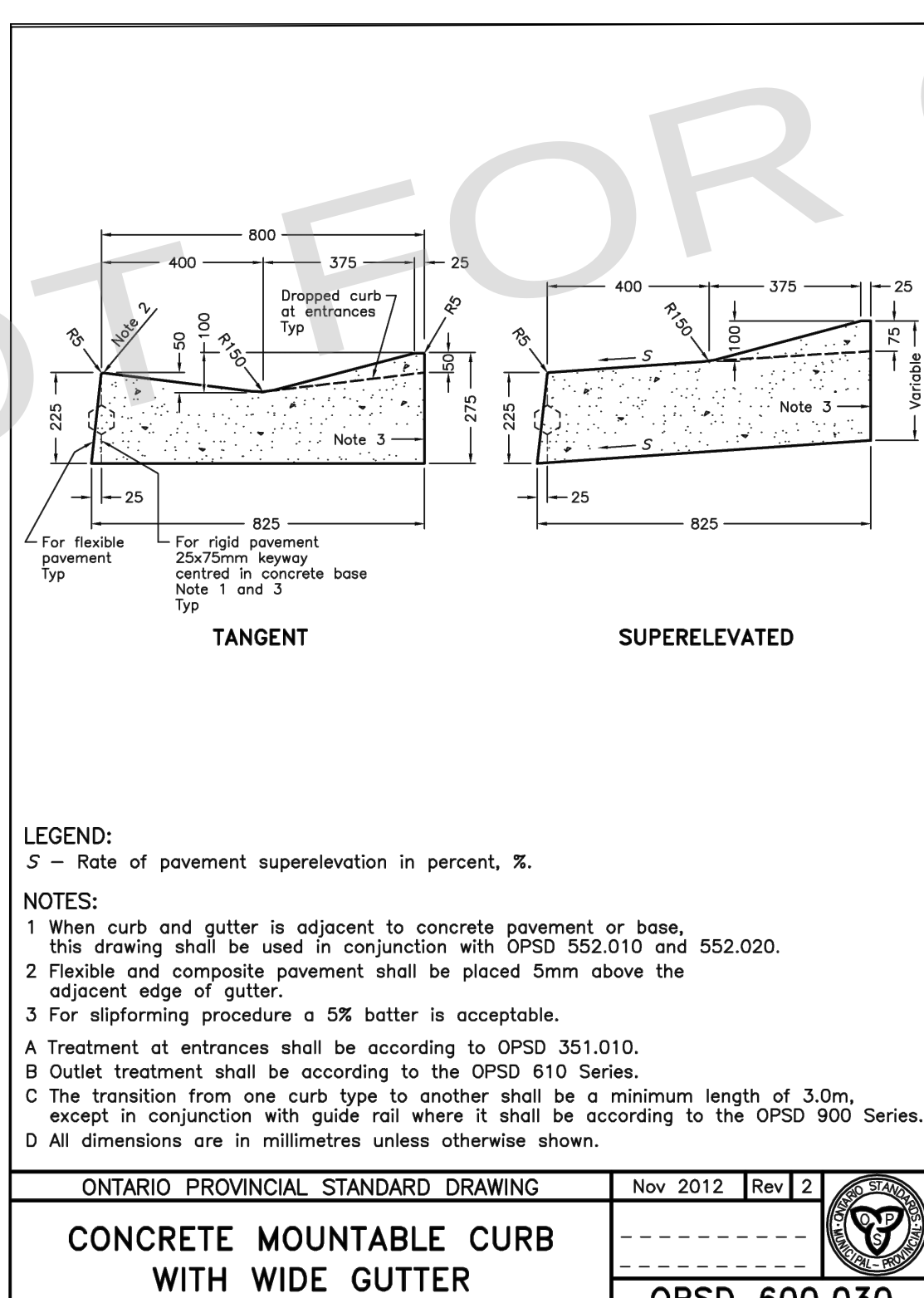
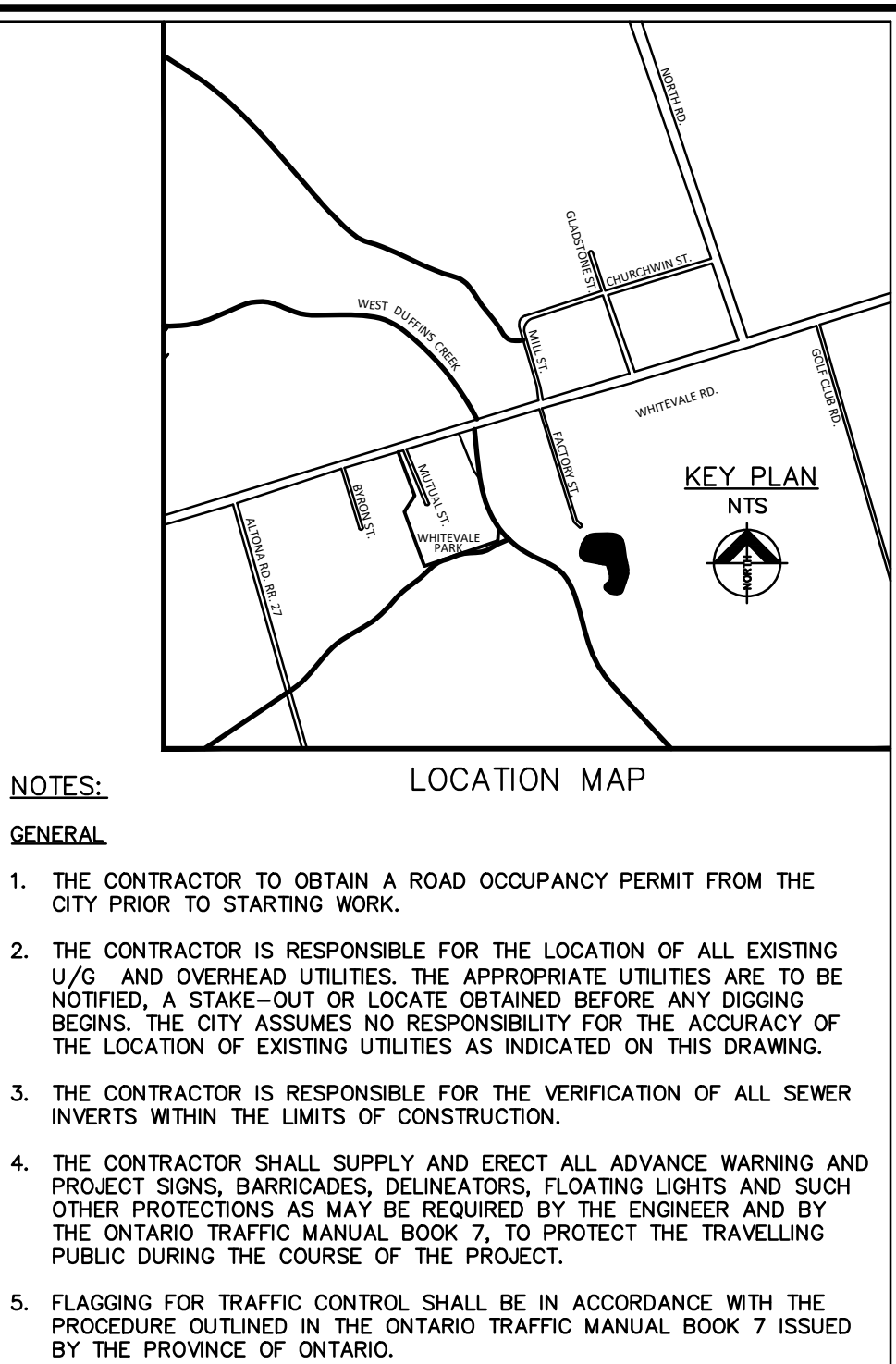
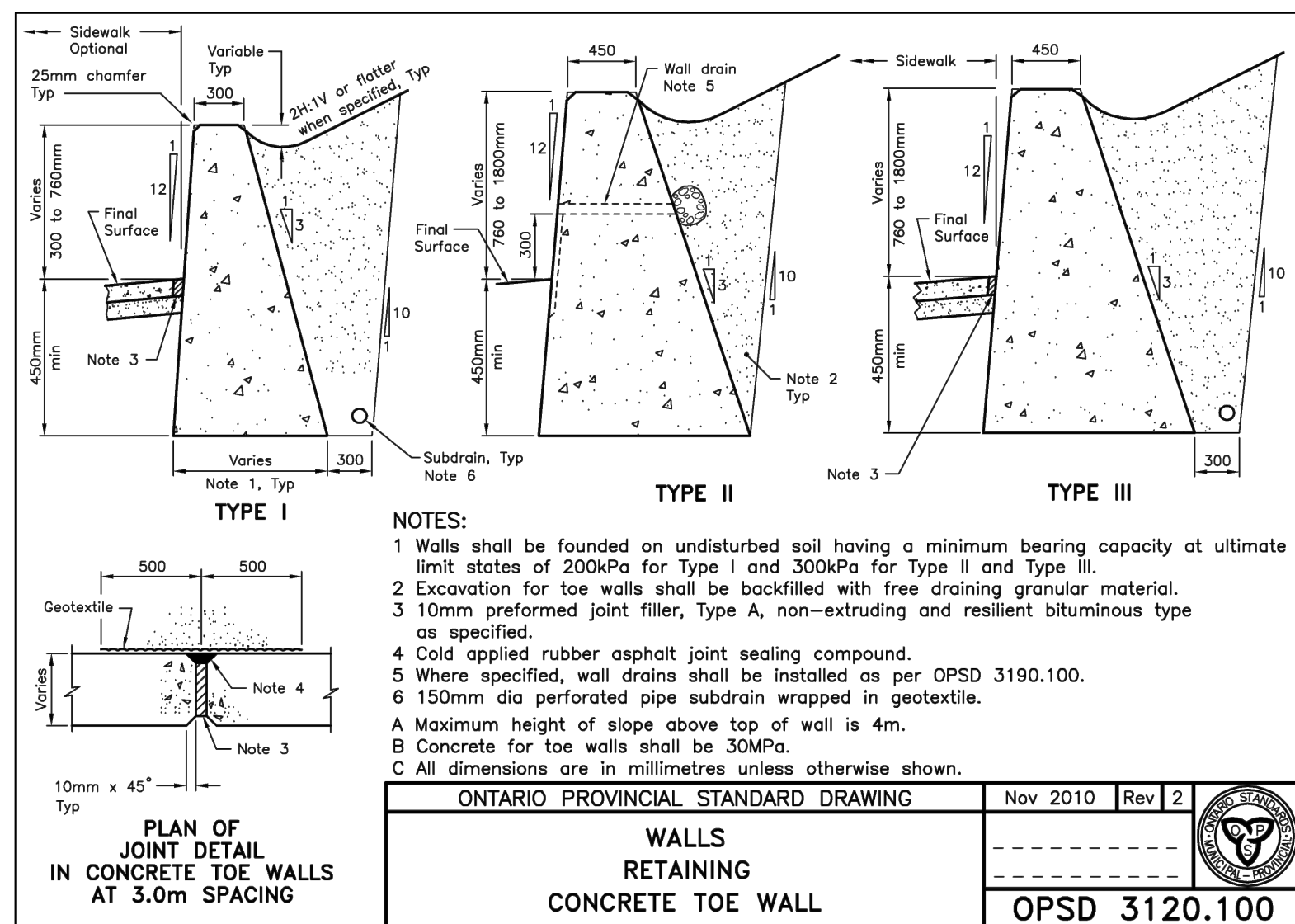
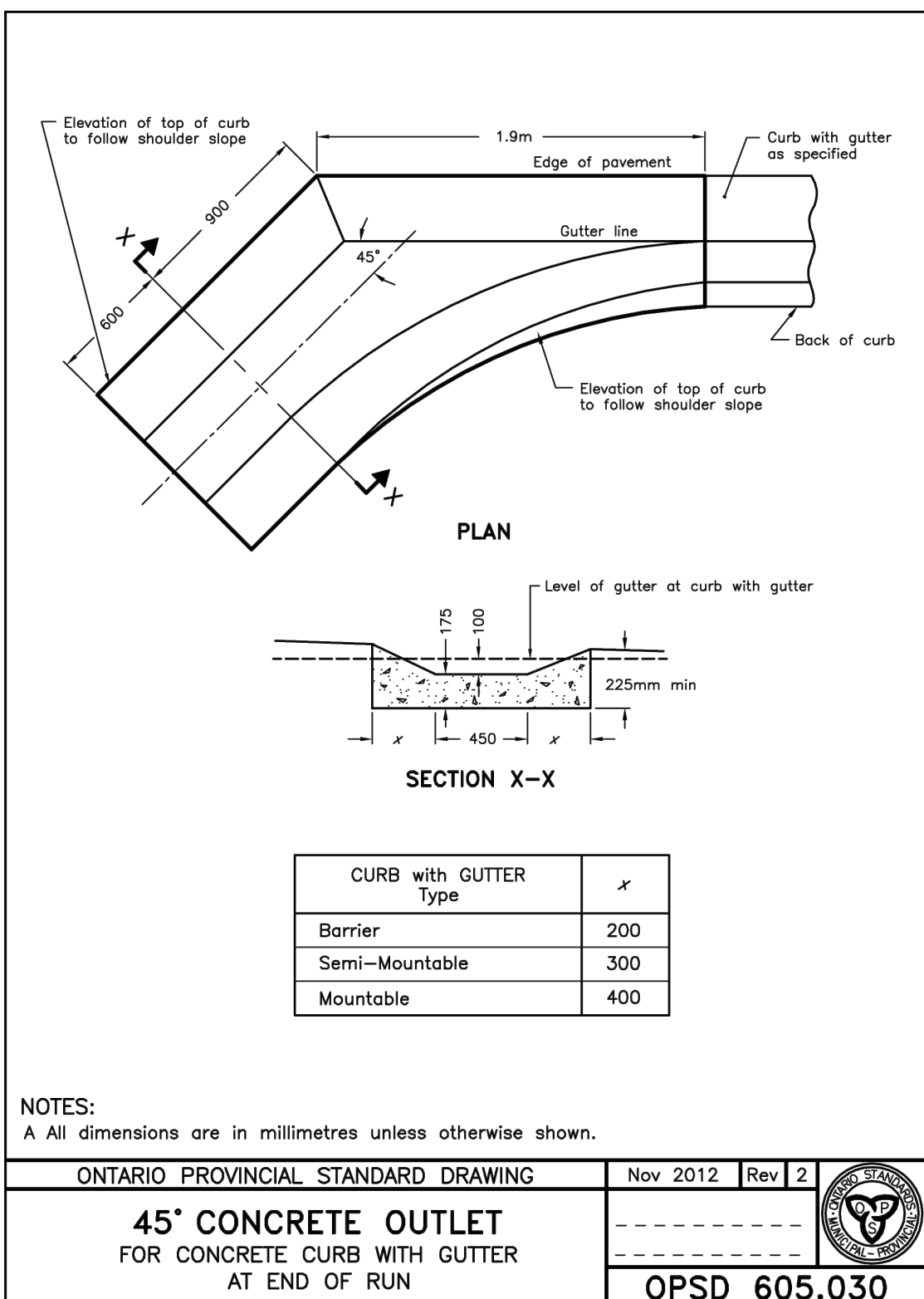
TITLE NORTH ROAD EROSION CONTROL PLAN POST-SERVICING	
SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SR	DATE: JUL, 2025
DESIGN BY: SR-AS & PM	DATE: JUL, 2025
PLAN SCALE: 1:250	§ PROFILE SCALE:
TENDER No. Q2026-25	
DRAWING No. ERS-04	SHEET 27 of 48

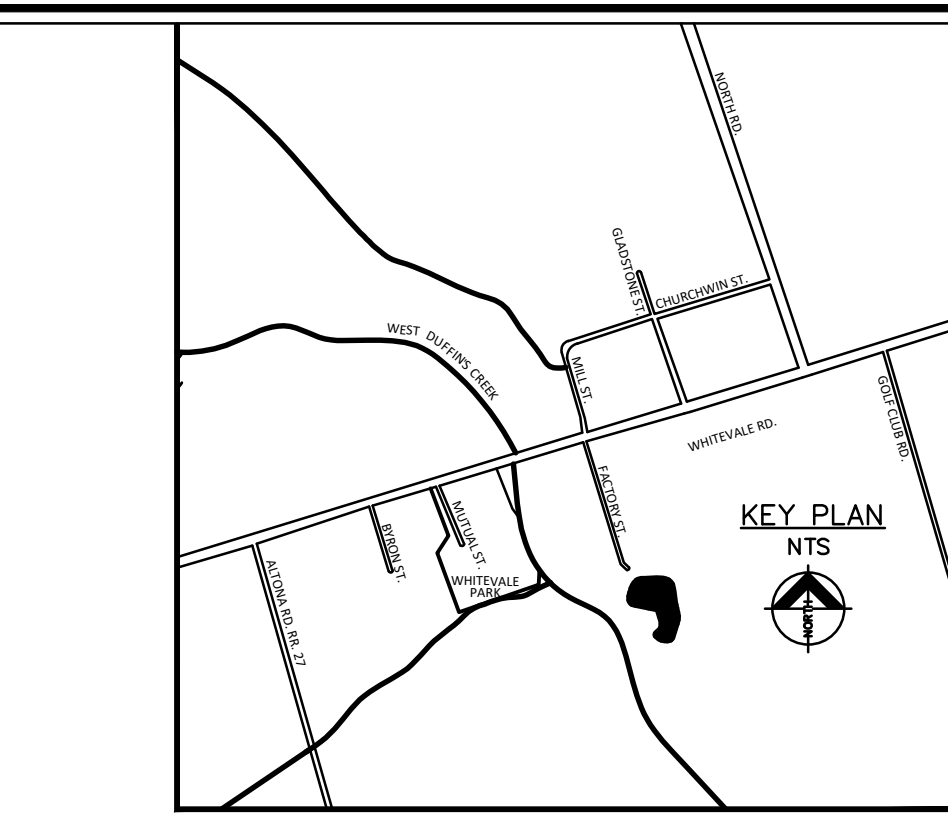
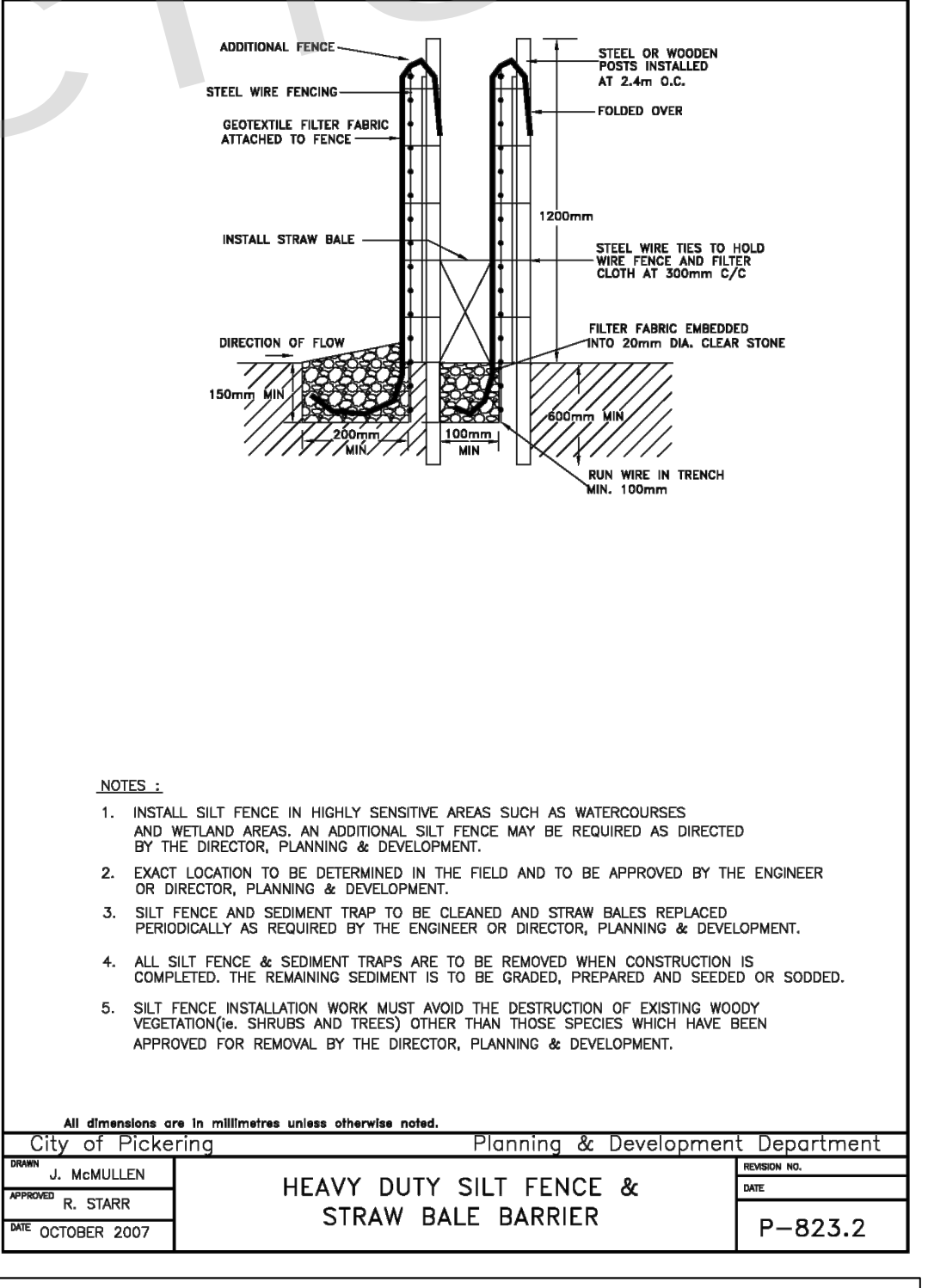
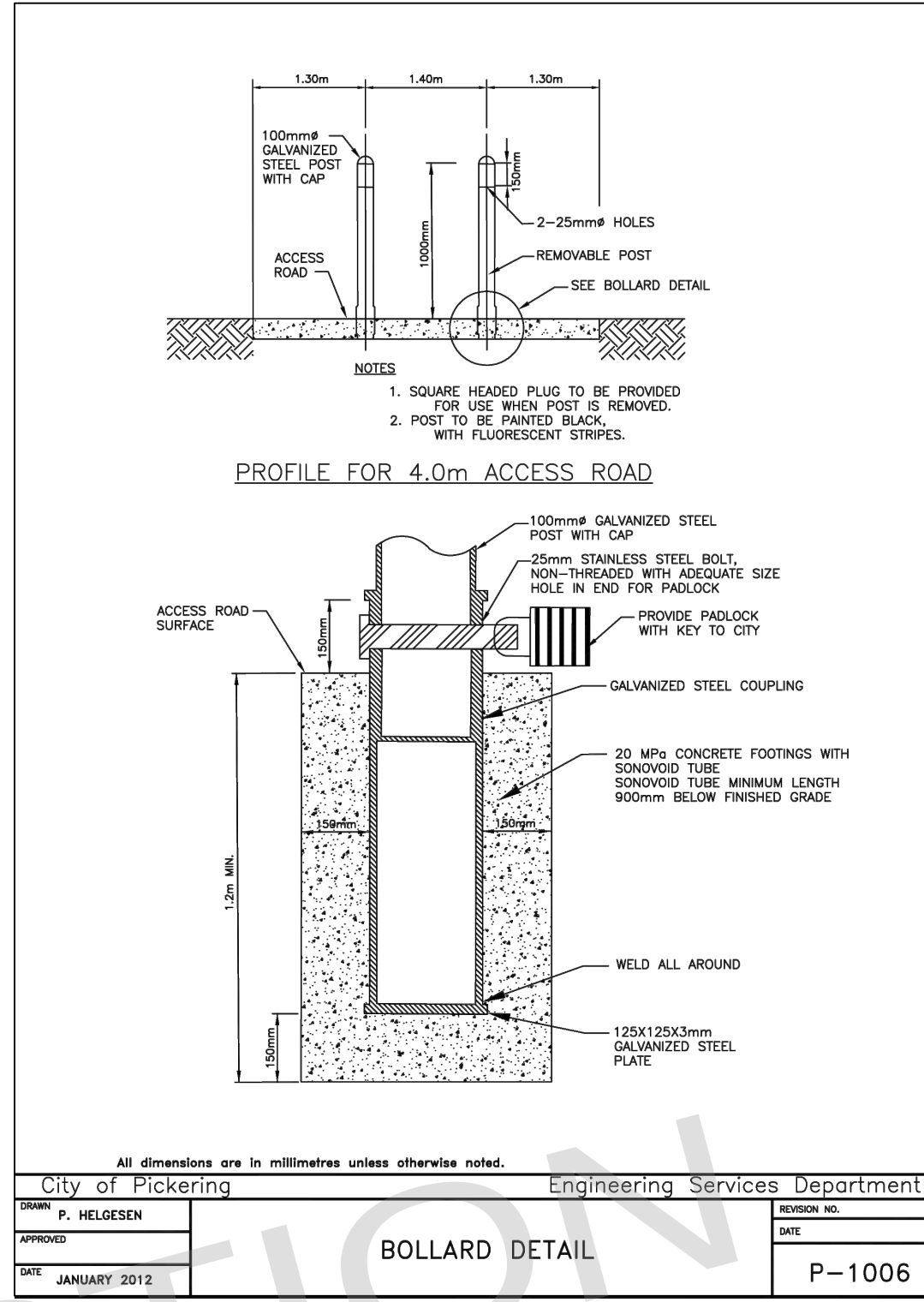
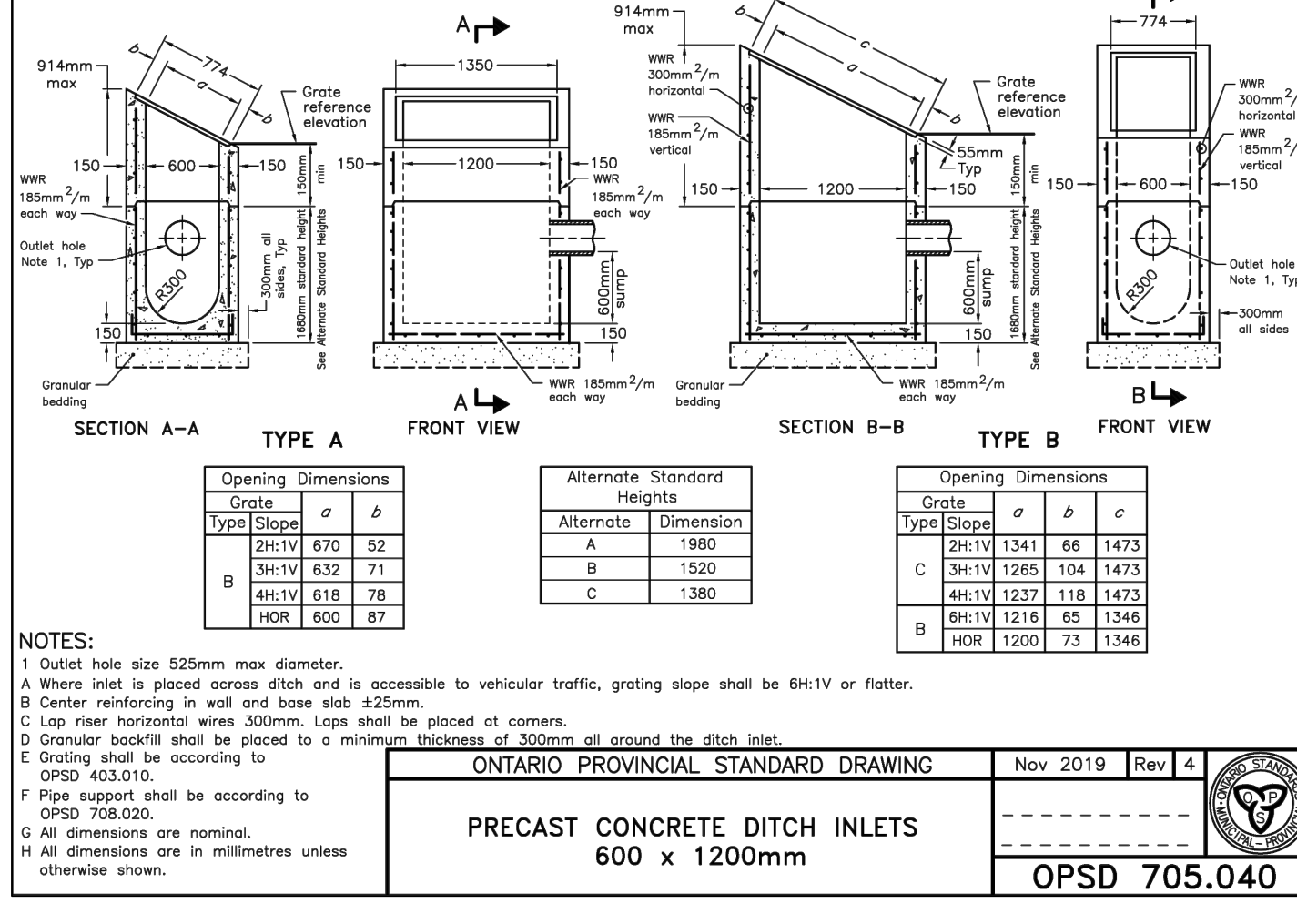
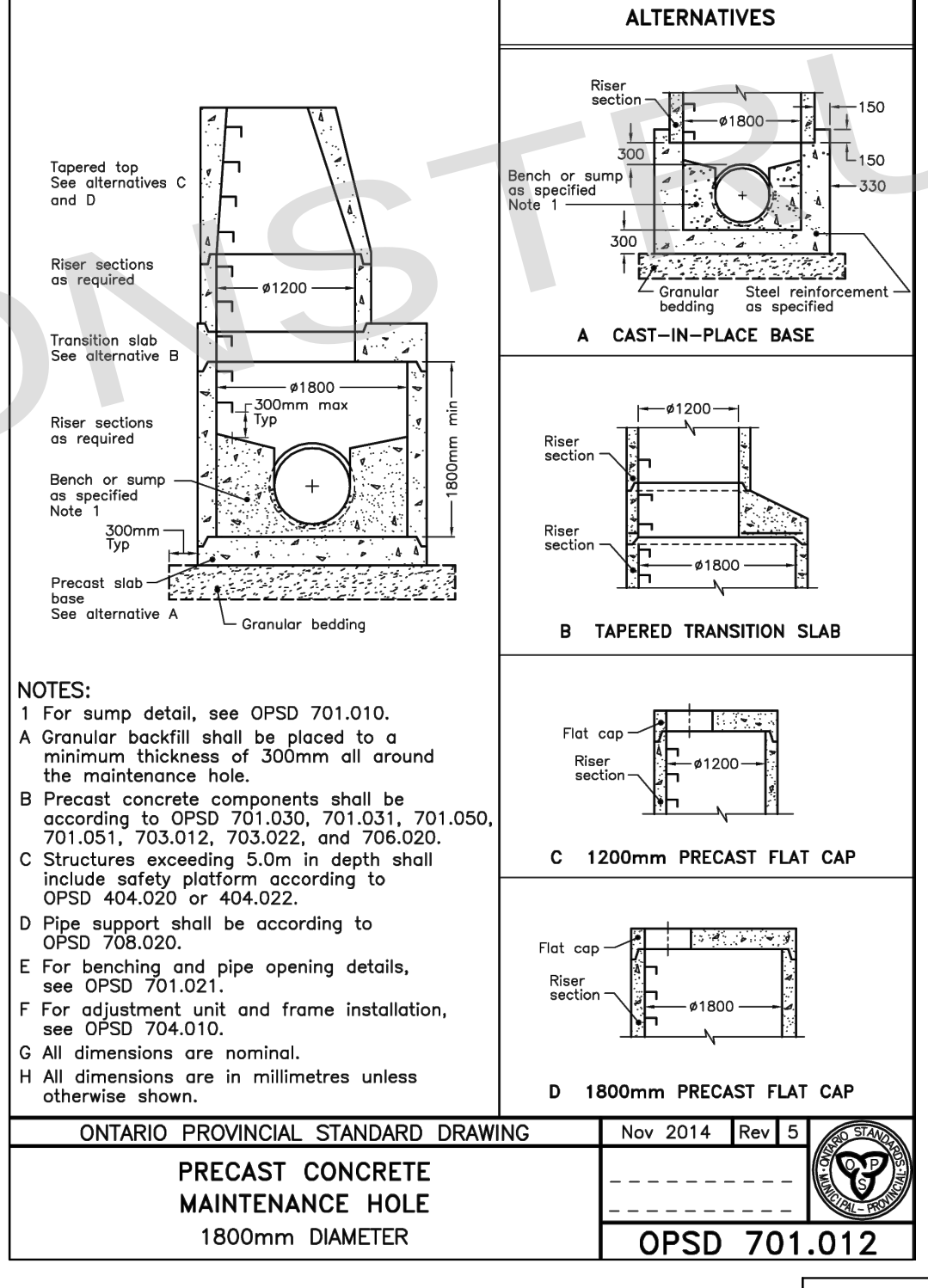
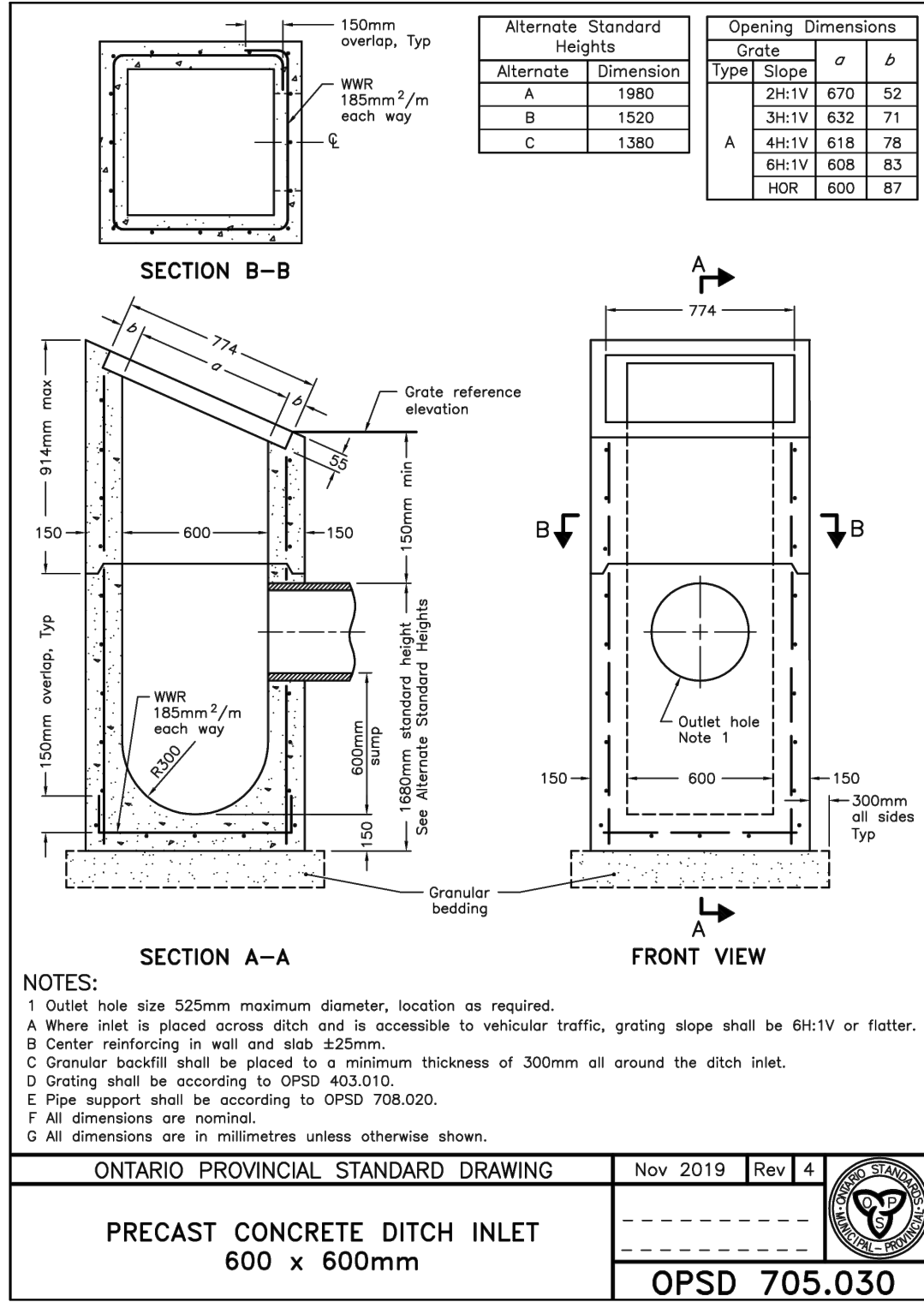
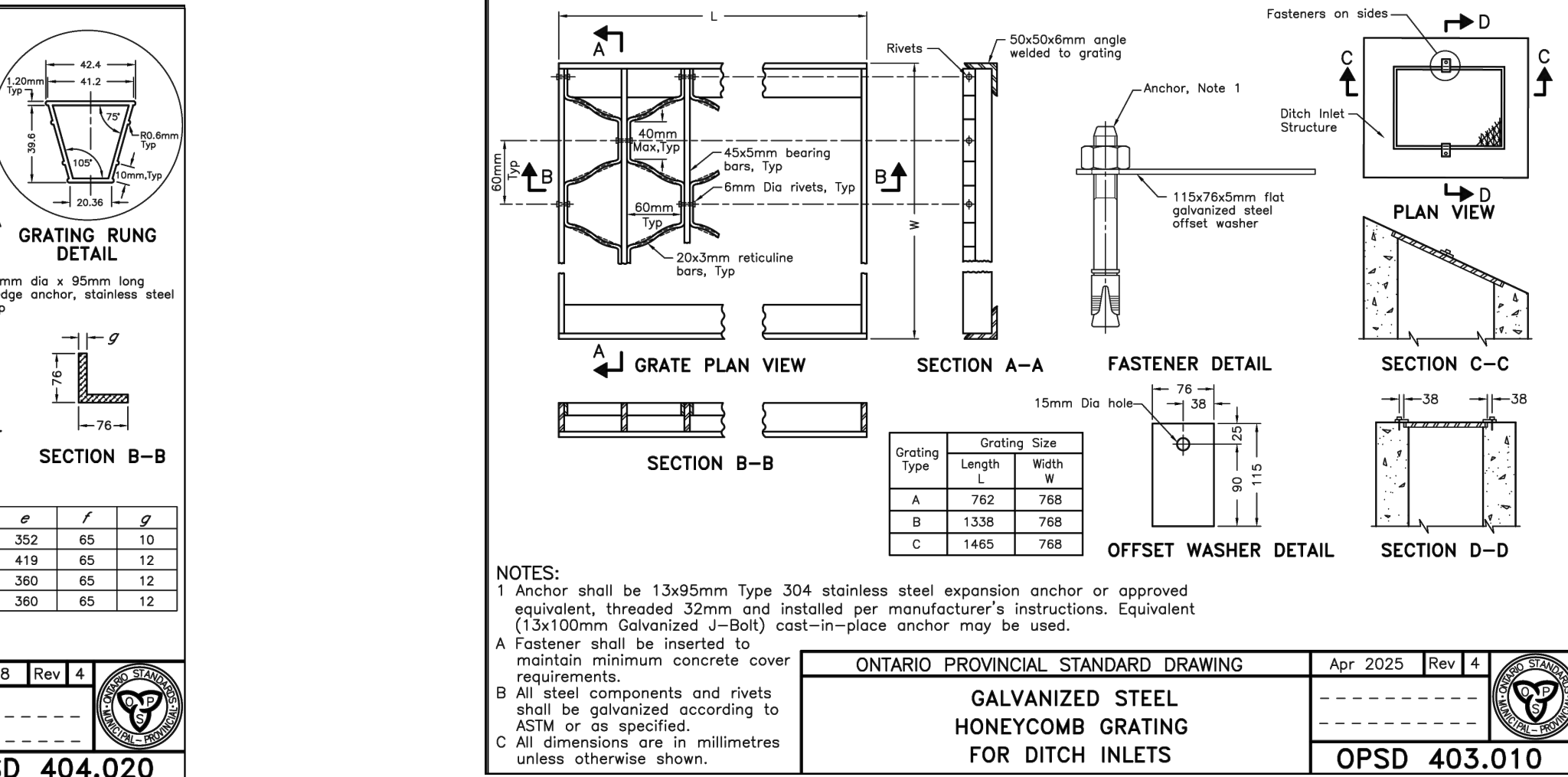
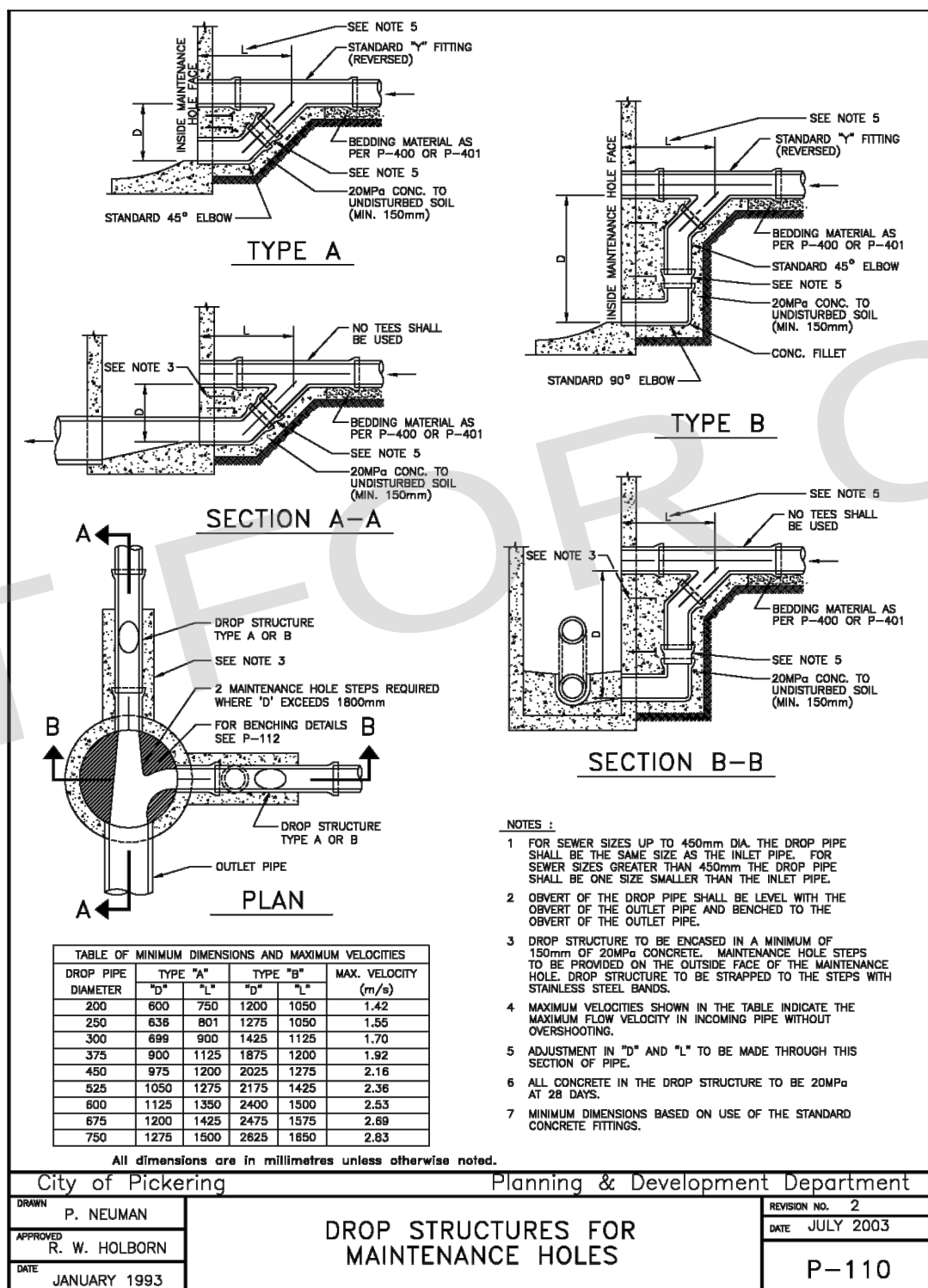
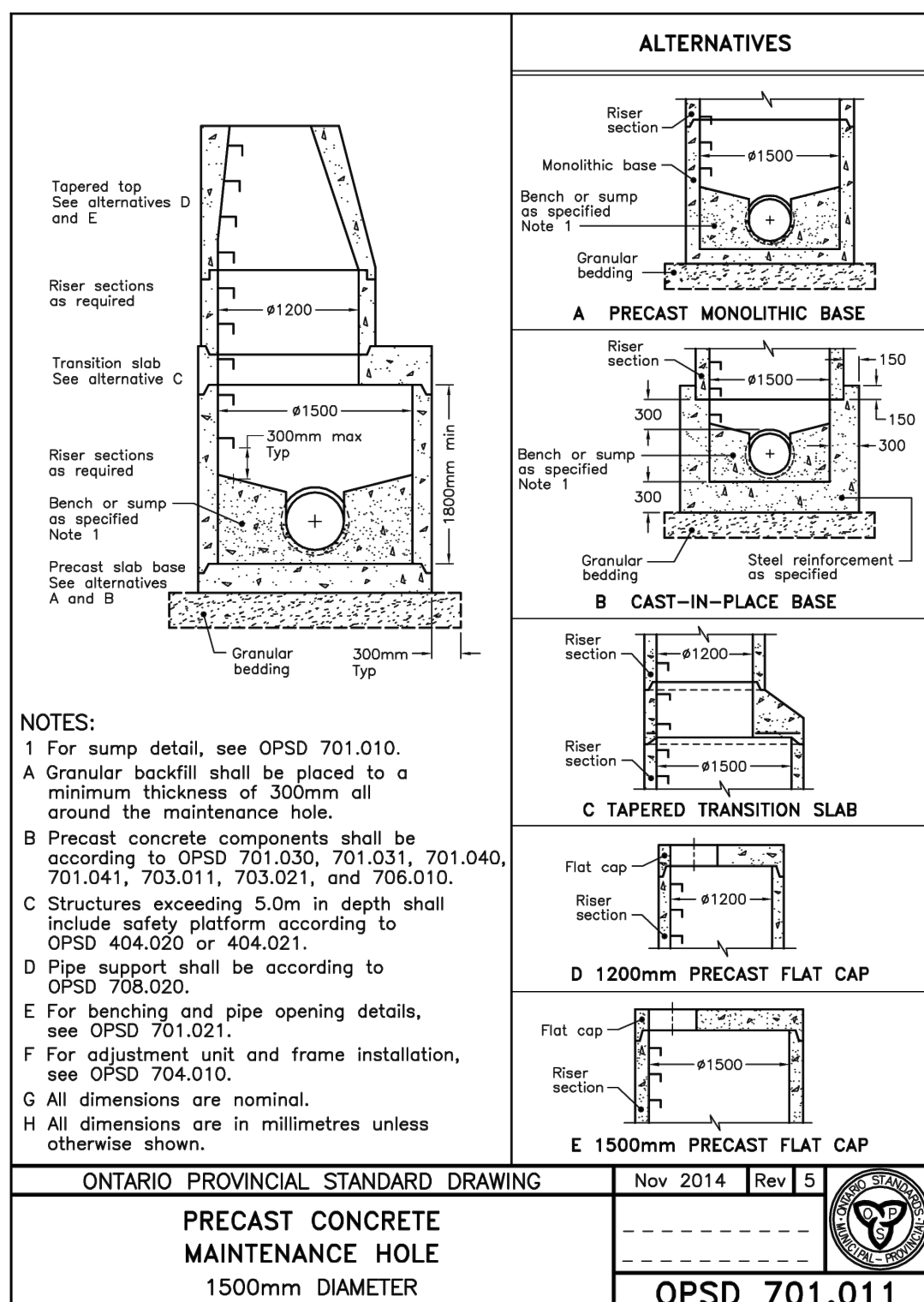
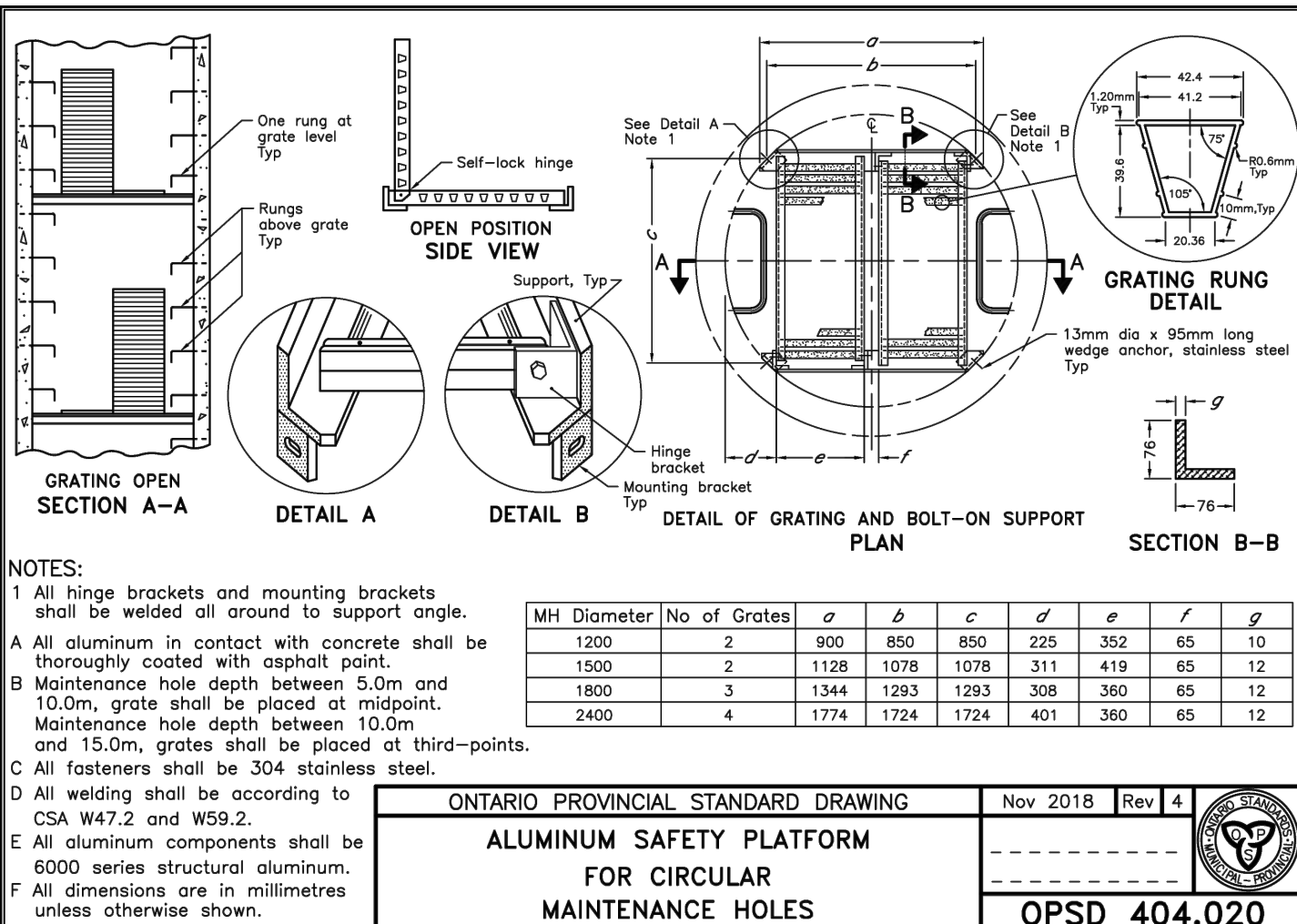
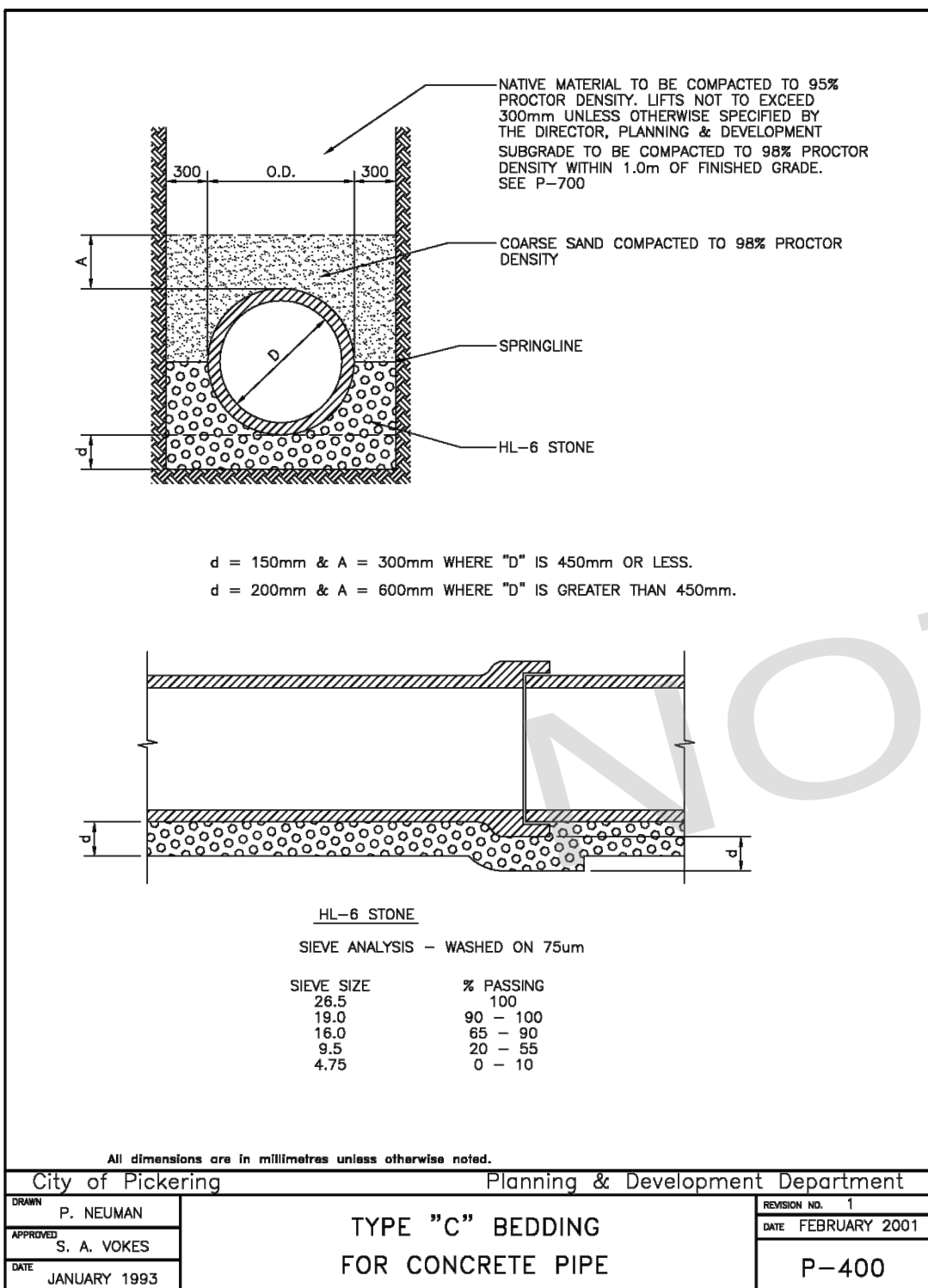
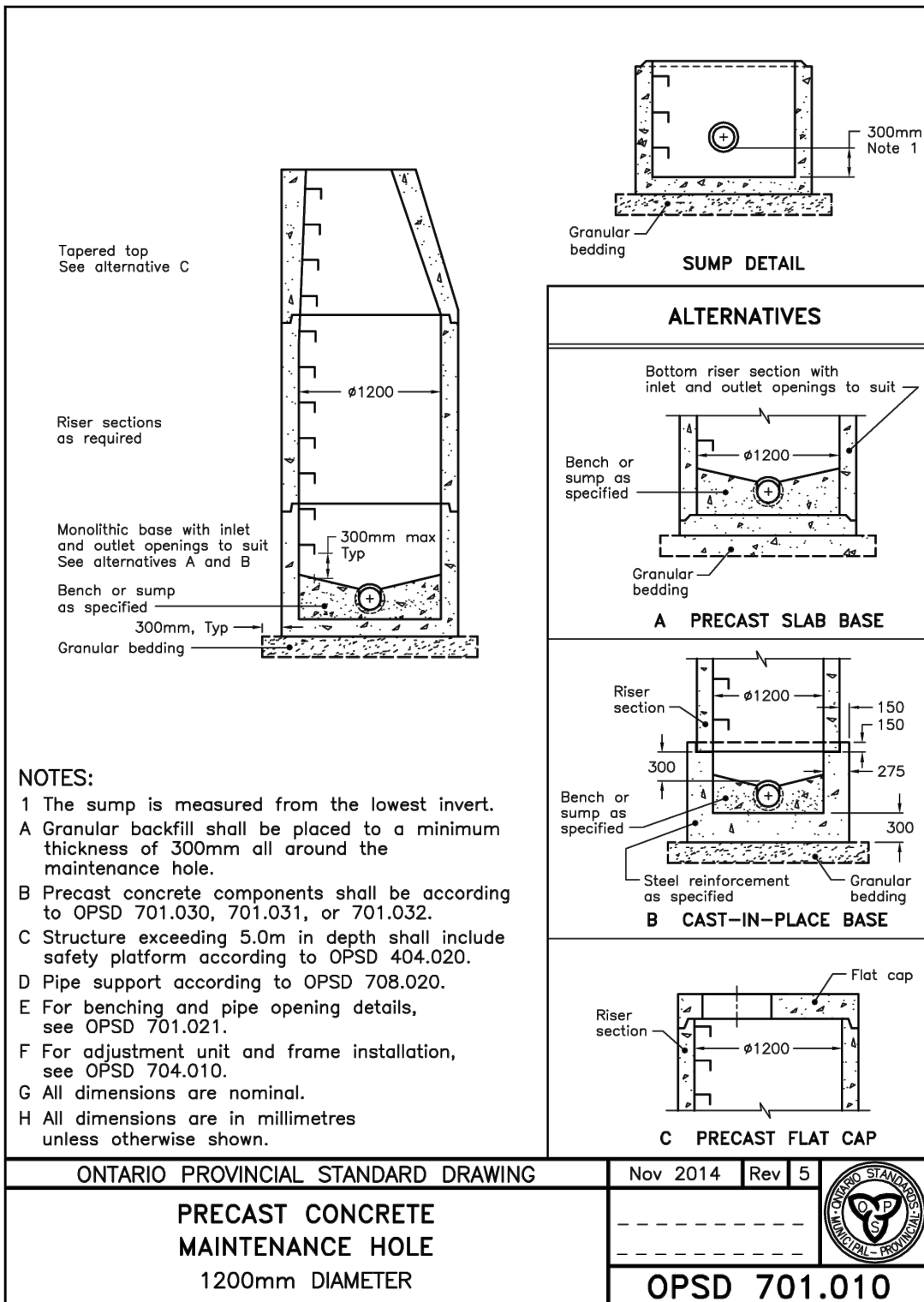
GENERAL EROSION & SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, AS DIRECTED BY THE ENGINEER OR THE CITY OF PICKERING.
2. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AND SHALL BE DETERMINED BY THE ENGINEER OR CITY OF PICKERING.
3. THE LOCATION OF EROSION AND SEDIMENT CONTROL DETAILS ARE SHOWN SCHEMATICALLY ON THIS DRAWING.
4. SEDIMENT CONTROL FENCE TO USE GEOTEXTILE WITH WEAVE DENSITY OF 270Z TERRAFIX OR EQUIVALENT.
5. CONTRACTOR TO PROVIDE ALL ROCK CHECK DAMS AND CATCHBASINS SEDIMENT TRAPS ON ALL EXISTING CATCHBASINS PRIOR TO START OF CONSTRUCTION
6. CATCHBASIN SEDIMENT TRAPS TO BE PLACED ON ALL PROPOSED CATCHBASINS IMMEDIATELY FOLLOWING INSTALLATION OF CATCHBASIN.
7. ALL SWALES ARE TO BE STABILIZED PRIOR TO USE.
8. INSPECTION OF THE PROPOSED EROSION AND SEDIMENT CONTROL MEASURES WILL OCCUR ON A WEEKLY BASIS, AFTER RAINFALL EVENTS EXCEEDING 10mm OR AFTER RAPID SNOW MELT EVENTS AND DAILY DURING EXTENDED RAIN OR SNOW MELT PERIODS. THE SILT FENCE MUST BE INSPECTED FOR RIPS OR TEARS, BROKEN STAKES, BLOW OUTS AND ACCUMULATION OF SEDIMENT. THE SILT FENCE MUST BE FIXED AND/OR REPLACED IMMEDIATELY WHEN DAMAGED. ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE SILT FENCE WHEN ACCUMULATION REACHES 50% OF THE HEIGHT OF THE FENCE.
9. ROCK CHECK DAMS ARE TO BE CLEANED OF ALL ACCUMULATED SEDIMENT AS SOON AS SEDIMENT HAS ACCUMULATED TO A DEPTH GREATER THAN 50% OF ALL THE UPSTREAM CHECK DAMS.
10. ALL SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED IN GOOD REPAIR DURING ALL PHASES OF CONSTRUCTION. ALL DEFICIENCIES ARE TO BE RECTIFIED WITHIN 48 HOURS OF INSPECTION.
11. THE ESC STRATEGIES ON THESE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES. FAILED ESC MEASURES MUST BE REPAIRED IMMEDIATELY.
12. CONTRACTOR TO CLEAN ROADS ON A REGULAR BASIS OR AS DIRECTED BY THE ENGINEER. THE ROAD SHALL AT A MINIMUM BE SCRAPPED DAILY AND FLUSHED ON FRIDAY EVENING OR SATURDAY MORNING.
13. DUST CONTROL TO BE REVIEWED DAILY. WATER TRUCK TO BE PROVIDED ON-SITE AND ALL HAUL ROADS/WORKING AREAS TO BE SPRAYED WITH WATER AS REQUIRED TO ENSURE DUST IS CONTROLLED ON-SITE.
14. ADDITIONAL EROSION AND SEDIMENT CONTROL MATERIALS (I.E. SILT FENCES, STRAWBALES, CLEAR STONE ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIR.
15. ALL EROSION AND SEDIMENTATION CONTROL MEASURES TO REMAIN IN PLACE UNTIL VEGETATION HAS BEEN RE-ESTABLISHED.
16. AT THE END OF THE CONSTRUCTION PERIOD, ACCUMULATED SEDIMENT IS TO BE REMOVED OFF SITE PRIOR TO THE REMOVAL OF THE SILT FENCE.
17. ALL LITTER AND DEBRIS SHALL BE MONITORED AND DISPOSED OF DAILY OR AS NECESSARY THROUGH REGULAR INSPECTION.
18. IF CONSTRUCTION ACTIVITY IS INTERRUPTED AND/OR INACTIVITY EXCEEDS 30 DAYS, ALL STRIPPED/BARE AREAS ARE TO BE STABILIZED WITH SEED/MULCH.
19. ANY TREES SELECTED BY LANDSCAPE ARCHITECT FOR PRESERVATION TO BE PROTECTED BY TREE PROTECTION FENCING (OPSD 320.010).
20. NO MACHINERY WILL BE ALLOWED TO ENTER THE CREEK BED. MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE VICINITY OF ANY CREEK WILL BE LIMITED TO THE MINIMUM REQUIRED FOR CONSTRUCTION. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES IN THE WATER. VEHICULAR REFUELLING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30m FROM ANY WATERCOURSE.
21. DUST CONTROL TO BE REVIEWED DAILY. WATER TRUCK TO BE PROVIDED ON-SITE AND ALL HAUL ROADS/WORKING AREAS TO BE SPRAYED WITH WATER AS REQUIRED TO ENSURE DUST IS CONTROLLED ON-SITE.
22. CONTRACTOR TO ADHERE TO CITY OF PICKERING NOISE BY-LAWS. OPERATION WORKS ON SITE ARE TO BE FROM: MONDAY TO SATURDAY 7AM TO 7PM NO SUNDAY SITE OPERATIONS ARE PERMITTED

MONITORING OF SEDIMENT CONTROL MEASURES

1. AFTER THE CONTRACTOR HAS INSTALLED THE SEDIMENT CONTROLS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR A REVIEW OF THE INSTALLED MEASURES BEFORE ANY EARTHWORKS CAN BEGIN.
2. THE CONTRACTOR SHALL, ON A DAILY BASIS, INSPECT EROSION AND SEDIMENT CONTROL MEASURES IN PLACE. ANY DAMAGED OR INEFFECTIVE MEASURE SHALL BE RECTIFIED WITHIN 48 HOURS.
3. DURING EARTHWORKS AND SERVICING OPERATIONS, THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED ON THE FOLLOWING FREQUENCY:
 - ON A WEEKLY BASIS
 - BEFORE AND AFTER ALL SIGNIFICANT RAINFALL EVENTS.
 - AFTER ALL SIGNIFICANT SNOWMELT EVENTS.
 - DAILY DURING EXTENDED RAIN OR SNOWMELT EVENTS.
3. DURING INACTIVE CONSTRUCTION PERIODS (FOR EARTHWORKS AND SERVICING), THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED ON A MONTHLY SCHEDULE AND BEFORE AND AFTER SIGNIFICANT RAINFALL EVENTS.





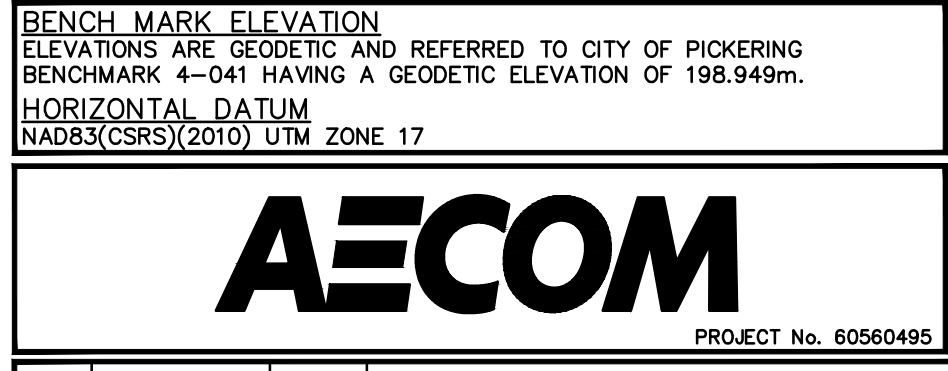
- NOTES:**
- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL SEWER INVERTS WITHIN THE LIMITS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL SUPPLY AND ERECT ALL ADVANCE WARNING AND PROTECT SIGNS, BARRICADES, DELINEATORS, FLOATING LIGHTS AND SUCH OTHER PROTECTIONS AS MAY BE REQUIRED BY THE ENGINEER AND BY THE ONTARIO TRAFFIC MANUAL BOOK 7, TO PROTECT THE TRAVELLING PUBLIC DURING THE COURSE OF THE PROJECT.
 - FLAGGING FOR TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE ONTARIO TRAFFIC MANUAL BOOK 7 ISSUED BY THE PROVINCE OF ONTARIO.
- TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPOSER SHOULD ENSURE THAT IN-WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPOSER/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

PROPOSED ROAD WHITEVALE ROAD-RESURFACING

40mm HL3 ASPHALT 60mm HL8 ASPHALT

PROPOSED DRIVEWAY

RESIDENTIAL: 50mm HL3 ASPHALT 150mm GRANULAR A
COMMERCIAL/INDUST./INSTIT. 50mm HL3 50mm HL8, 150mm GRANULAR A, 450mm GRANULAR B



No.	DATE	BY	REVISIONS
1	2026/07/10	MD	ISSUED FOR TENDER

City of PICKERING

WHITEVALE ROAD STANDARD DRAWINGS

TITLE

SURVEY BY: IBW SURVEYORS **DATE:** 2018/05/03

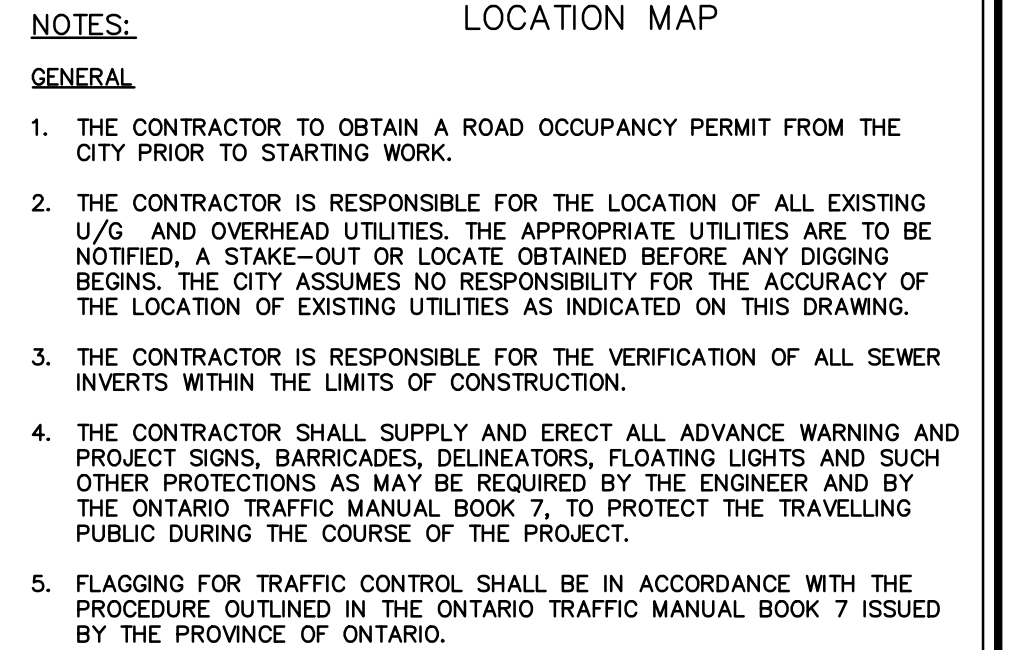
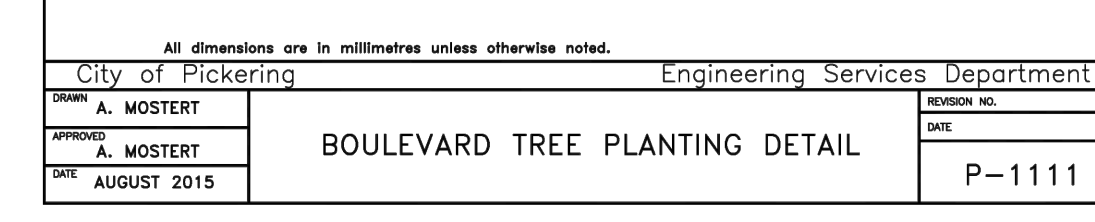
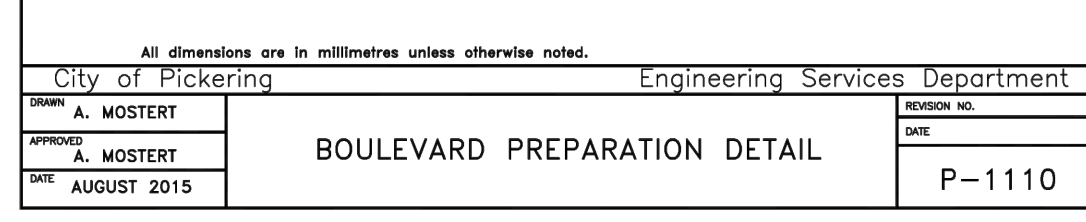
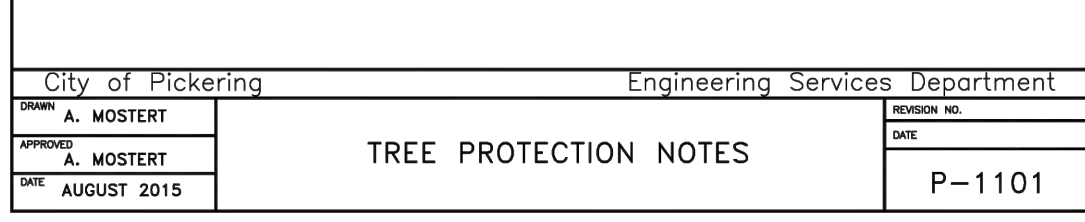
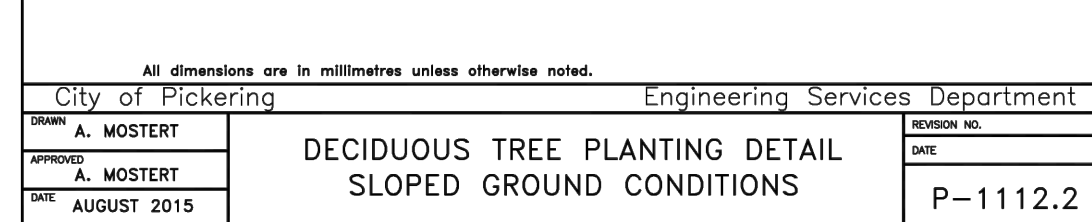
DRAWN BY: SR **DATE:** JUL, 2025

DESIGN BY: SR-AS & PM **DATE:** JUL, 2025

PLAN SCALE: N/A **PROFILE SCALE:** N/A

TENDER No. Q2026-25

DRAWING No. STD-02 **SHEET** 29 of 48



TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPAWNING, NURSERY AND MIGRATORY PERIODS, THE CONTRACTOR/PROPONENT SHOULD ENSURE THAT IN- WATER/NEAR-WATER ACTIVITIES OCCUR WITHIN THE APPLICABLE TIMING WINDOW. THE PROPONENT/CONTRACTOR SHOULD CONFIRM TIMING WINDOW APPLICATION AND DATES DIRECTLY WITH APPROPRIATE PROVINCIAL AND FEDERAL AGENCIES.

<u>PROPOSED ROAD WHITEVALE ROAD—RESURFACING</u> 40mm HL3 ASPHALT 60mm HL8 ASPHALT	
<u>PROPOSED DRIVEWAY</u> RESIDENTIAL: 50mm HL3 ASPHALT 150mm GRANULAR A COMMERCIAL/INDUST./INSTIT. 50mm HL3 50mm HL8, 150mm GRANULAR A, 450mm GRANULAR B	

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSR85)(2010) UTM ZONE 17

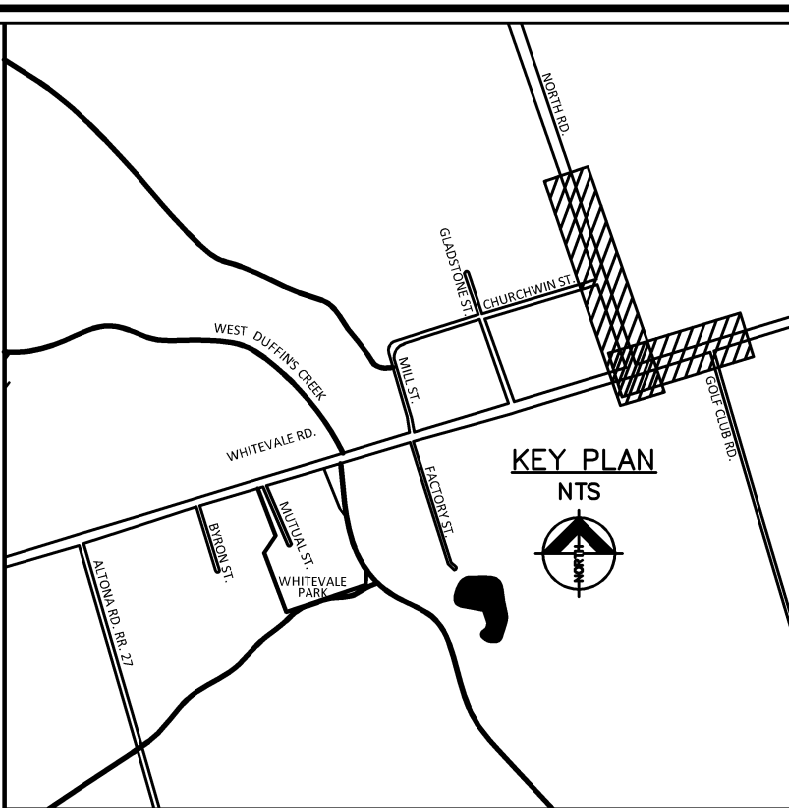
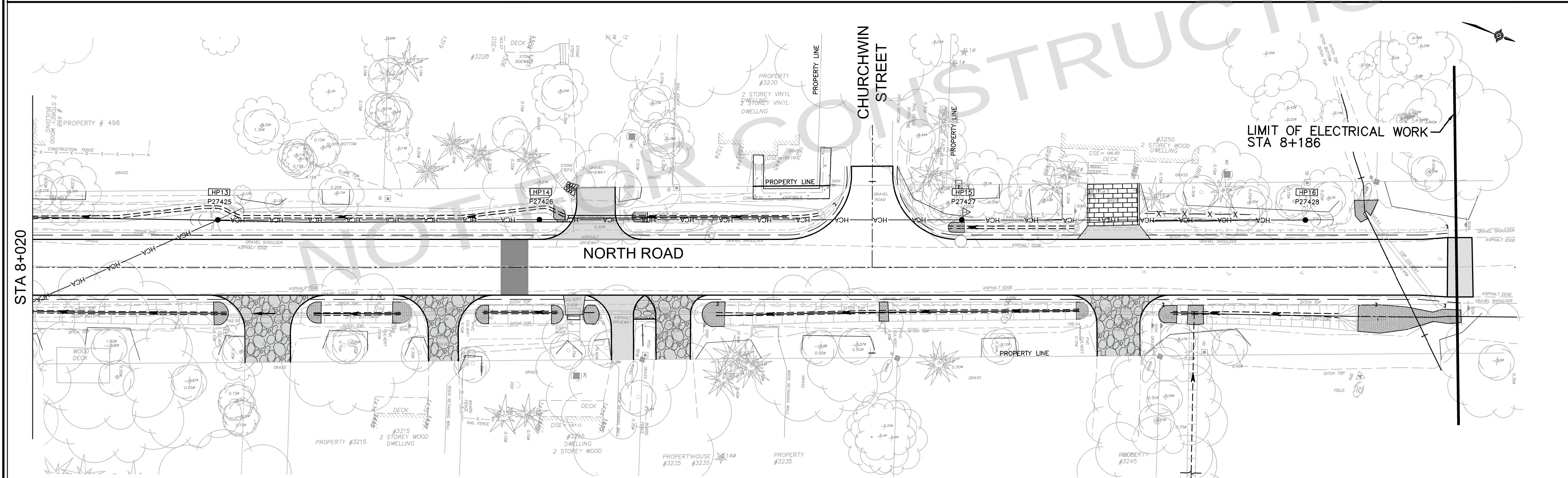
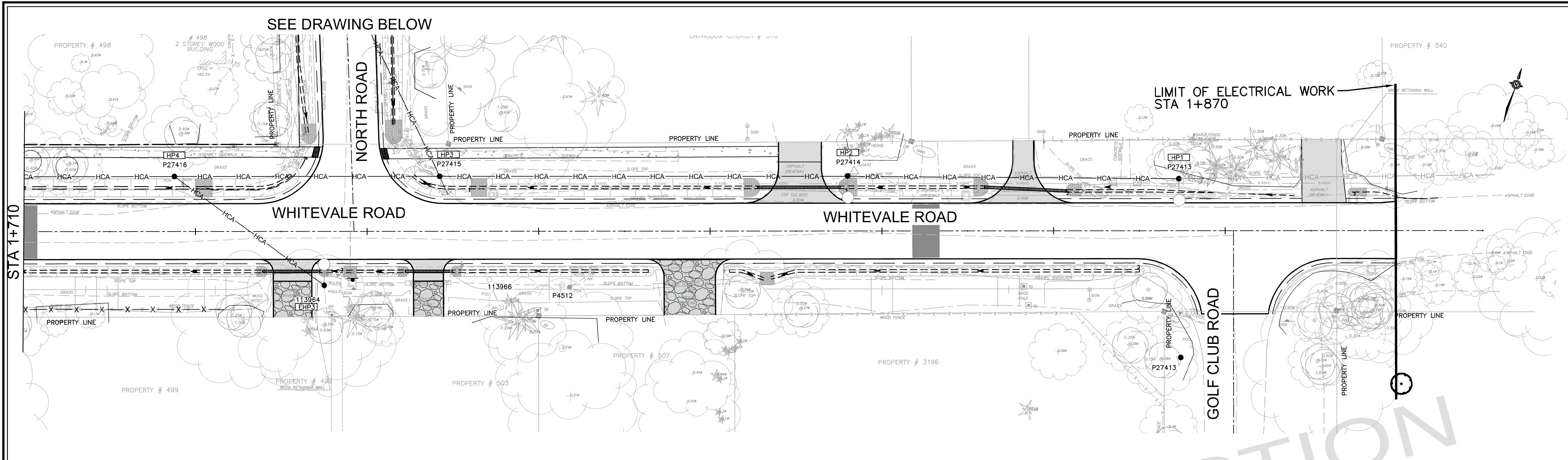
AECOM

PROJECT NO. 60560495

1	2026/07/10	MD	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

TITLE		WHITEVALE ROAD STANDARD DRAWINGS	
SURVEY BY: IBW SURVEYORS		DATE: 2018/05/03	
DRAWN BY: SR		DATE: JUL, 2025	
DESIGN BY: SR-AS & PM		DATE: JUL, 2025	
PLAN SCALE: N/A		☞ PROFILE SCALE: N/A	
TENDER No. Q2026-25			
DRAWING No.		SHEET 30 of 48	
STD-03			



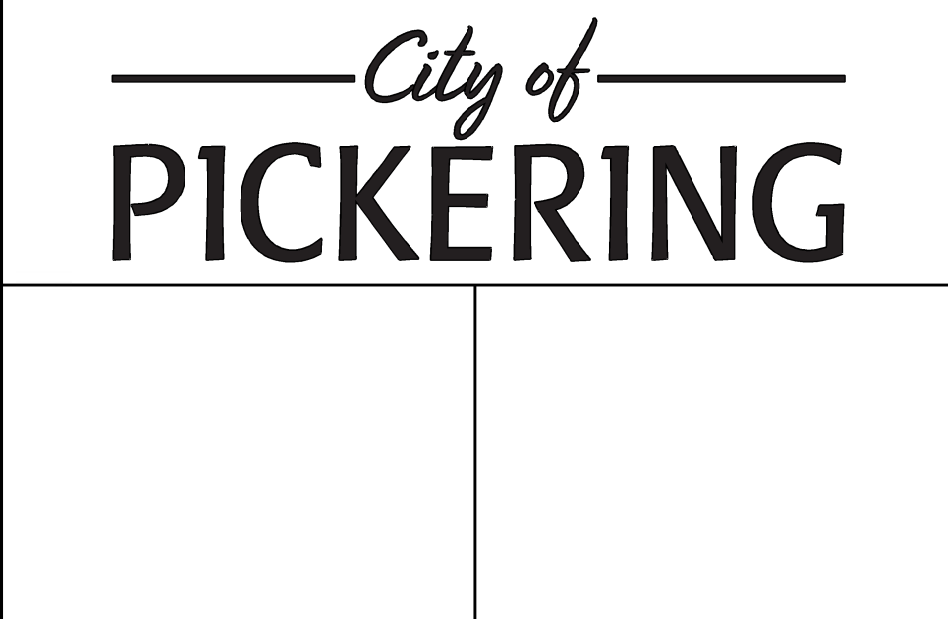
- NOTES:
- GENERAL
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR SHALL MAINTAIN ROADWAY LIGHTING FROM DUSK TO DAWN.
 3. TEMPORARY LIGHTING SYSTEM, INCLUDING EXISTING LUMINAIRES AND BRACKETS WAS INSTALLED BY ELEXICON FORCES AND CONNECTED TO THEIR SECONDARY.
 4. THE CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING WHEN NEW LIGHTING FIXTURES AND BRACKETS ARE AVAILABLE.
 5. THE CONTRACTOR SHALL INSTALL DEDICATED SECONDARY WIRING SYSTEM FOR PERMANENT LIGHTING.

- STREET LIGHTING LEGEND:
- EXISTING HYDRO POLE WITH NEW LUMINAIRE AND BRACKET
 - EXISTING HYDRO POLE WITH EXISTING LUMINAIRE AND BRACKET
 - PROPOSED POLE-MOUNTED POWER SUPPLY PANEL (METERED)
 - EXISTING HYDRO POLE
 - EXISTING HYDRO CABLE AERIAL
 - PROPOSED STREETLIGHTING CABLE AERIAL
 - GROUND ROD
 - EXISTING TRANSFORMER

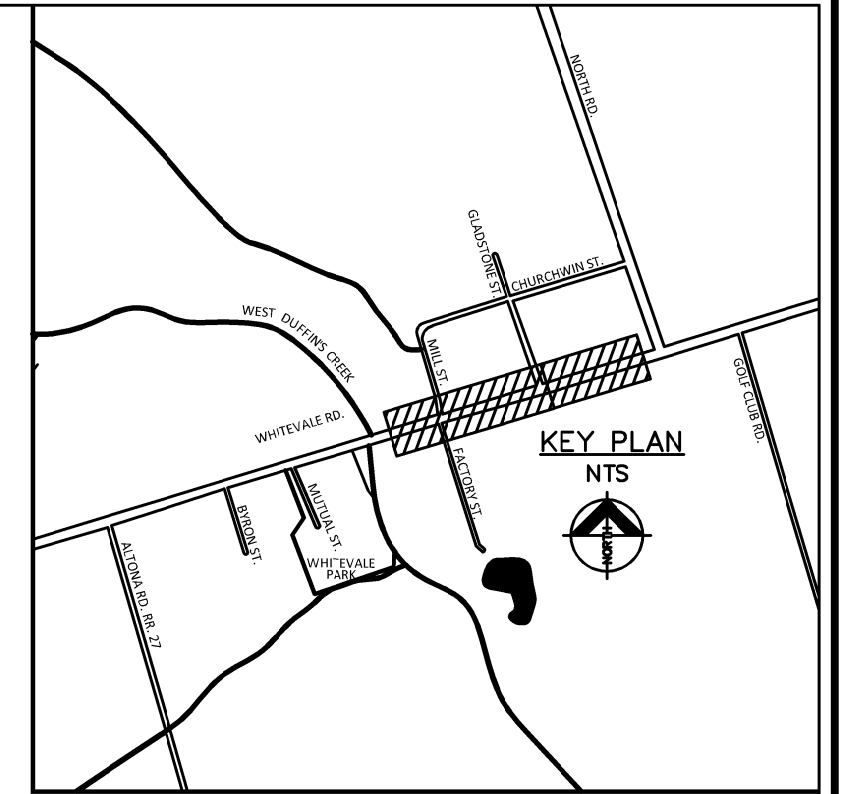
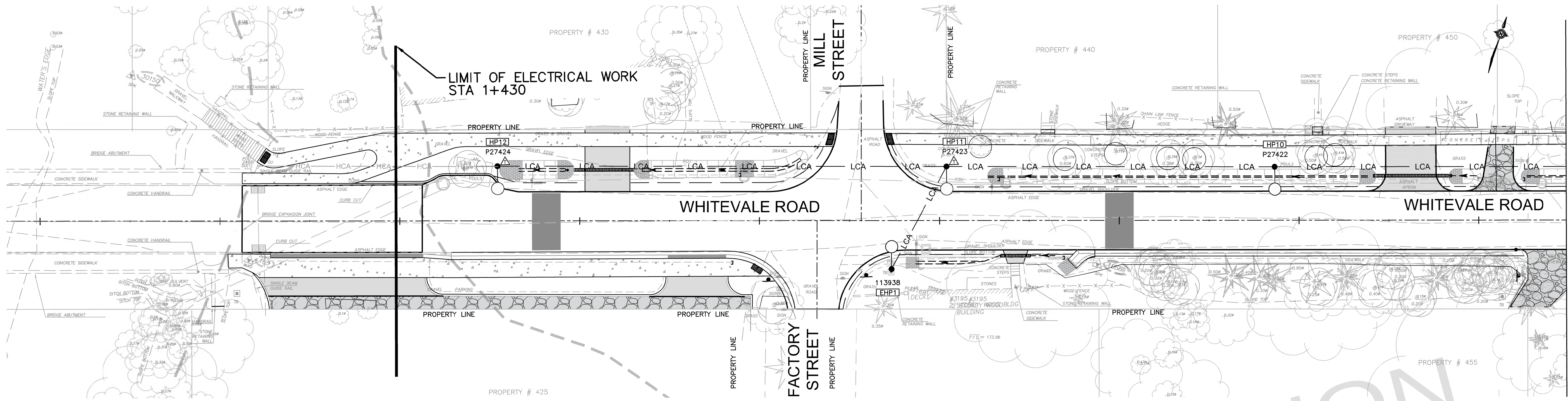
BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CRS) (2011) UTM ZONE 17

AECOM
PROJECT No. 60560495

1	2026/07/10	BK	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS



WHITEVALE ROAD/NORTH ROAD TEMPORARY STREET LIGHTING LAYOUT 2 & REMOVALS FROM STA 1+710 TO 1+870 AND STA 8+020 TO 8+186			
SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SM	DATE:	MAY, 2026
DESIGN BY:	TS	DATE:	MAY, 2026
PLAN SCALE:	1:250	§ PROFILE SCALE:	
TENDER No. T2020-31			
DRAWING No. E-002		SHEET 32 of 48	



LOCATION MAP

NOTES:
GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. PRIOR TO INSTALLATION OF LUMINAIRE BRACKETS AND LUMINAIRES, THE CONTRACTOR SHALL CONTACT ELEXICON TO CONFIRM EQUIPMENT MOUNTING HEIGHTS AND COORDINATE SYSTEM ENERGIZATION.
4. THE CONTRACTOR SHALL MAINTAIN ROADWAY LIGHTING FROM DUSK TO DAWN.
5. FOR STREET LIGHTING LUMINAIRE BRACKET MOUNTING HEIGHTS, REFER TO ELEXICON STANDARD 3-100.

STREET LIGHTING LEGEND:

- ○ EXISTING HYDRO POLE WITH NEW LUMINAIRE AND BRACKET
- ○ EXISTING HYDRO POLE WITH EXISTING LUMINAIRE AND BRACKET
- PROPOSED POLE-MOUNTED POWER SUPPLY PANEL (METERED)
- EXISTING HYDRO POLE
- HCA EXISTING HYDRO CABLE AERIAL
- LCA PROPOSED STREETLIGHTING CABLE AERIAL
- ◀▶ GROUND ROD
- △ EXISTING TRANSFORMER

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	BK	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

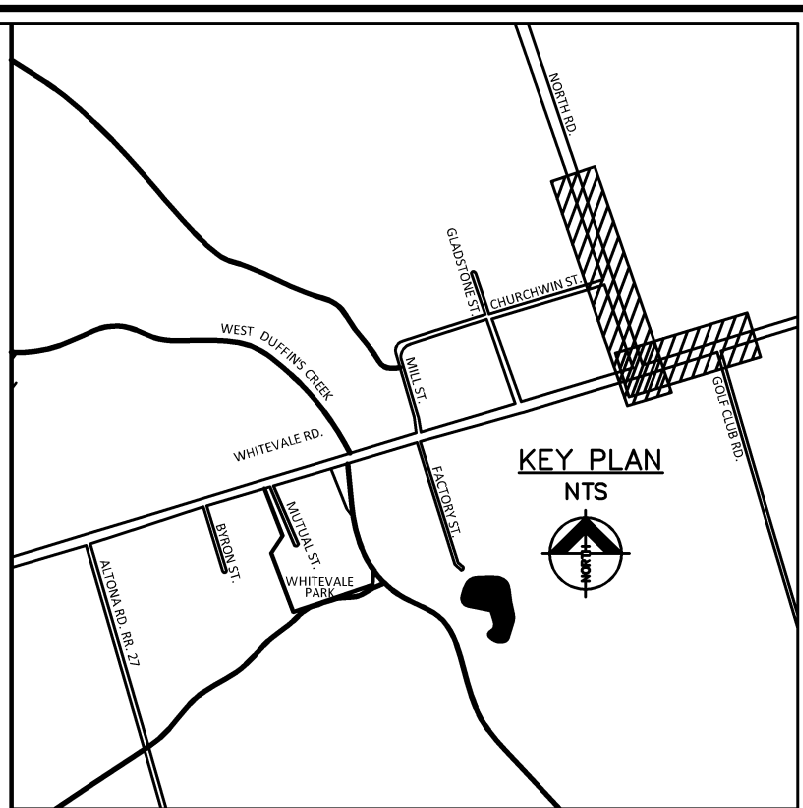
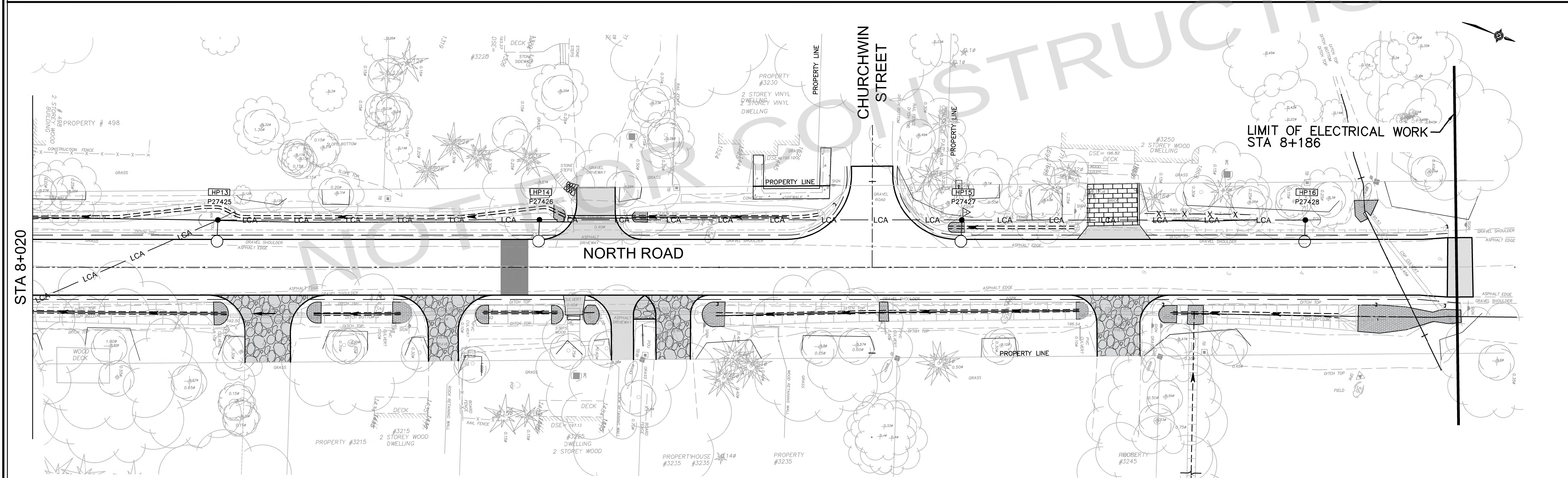
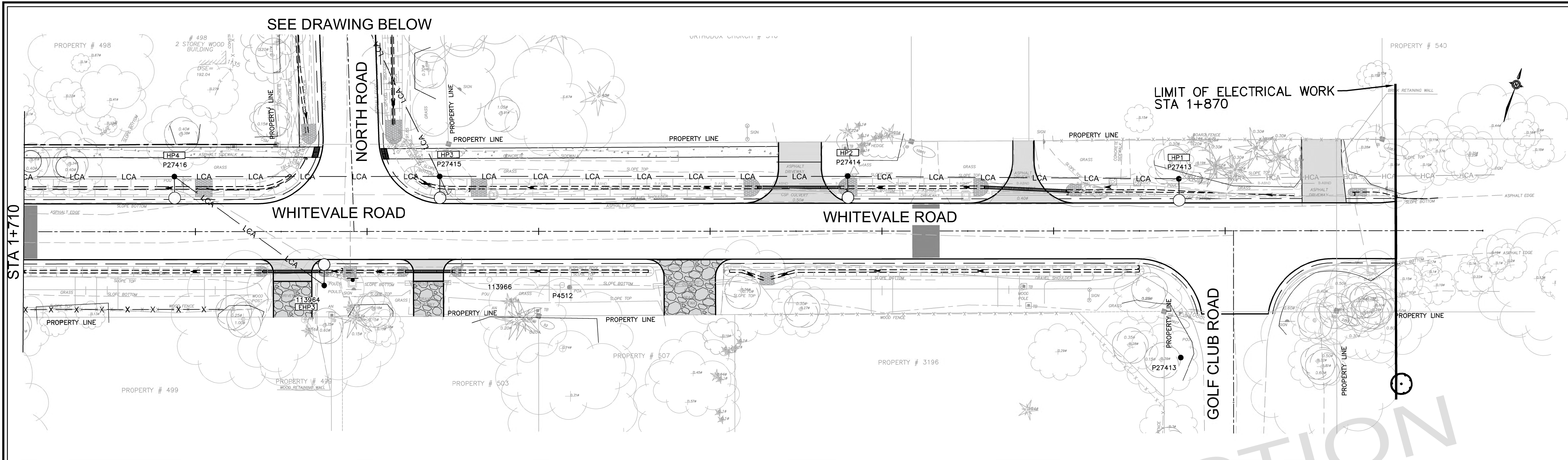
City of
PICKERING

WHITEVALE ROAD
STREET LIGHTING LAYOUT 1
FROM STA 1+430 TO 1+710

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SM	DATE:	MAY, 2026
DESIGN BY:	TS	DATE:	MAY, 2026
PLAN SCALE:	1:250	§ PROFILE SCALE:	

TENDER No. T2020-31

DRAWING No.	E-003	SHEET 33 of 48
-------------	-------	----------------



- NOTES:**
- GENERAL**
1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 3. PRIOR TO INSTALLATION OF LUMINAIRE BRACKETS AND LUMINAIRES, THE CONTRACTOR SHALL CONTACT ELEXICON TO CONFIRM EQUIPMENT MOUNTING HEIGHTS AND COORDINATE SYSTEM ENERGIZATION.
 4. THE CONTRACTOR SHALL MAINTAIN ROADWAY LIGHTING FROM DUSK TO DAWN.
 5. FOR STREET LIGHTING LUMINAIRE BRACKET MOUNTING HEIGHTS, REFER TO ELEXICON STANDARD 3-100.

- STREET LIGHTING LEGEND:**
- ○ EXISTING HYDRO POLE WITH NEW LUMINAIRE AND BRACKET
 - ○ EXISTING HYDRO POLE WITH EXISTING LUMINAIRE AND BRACKET
 - PROPOSED POLE-MOUNTED POWER SUPPLY PANEL (METERED)
 - EXISTING HYDRO POLE
 - HCA EXISTING HYDRO CABLE AERIAL
 - LCA PROPOSED STREETLIGHTING CABLE AERIAL
 - △ GROUND ROD
 - △ EXISTING TRANSFORMER

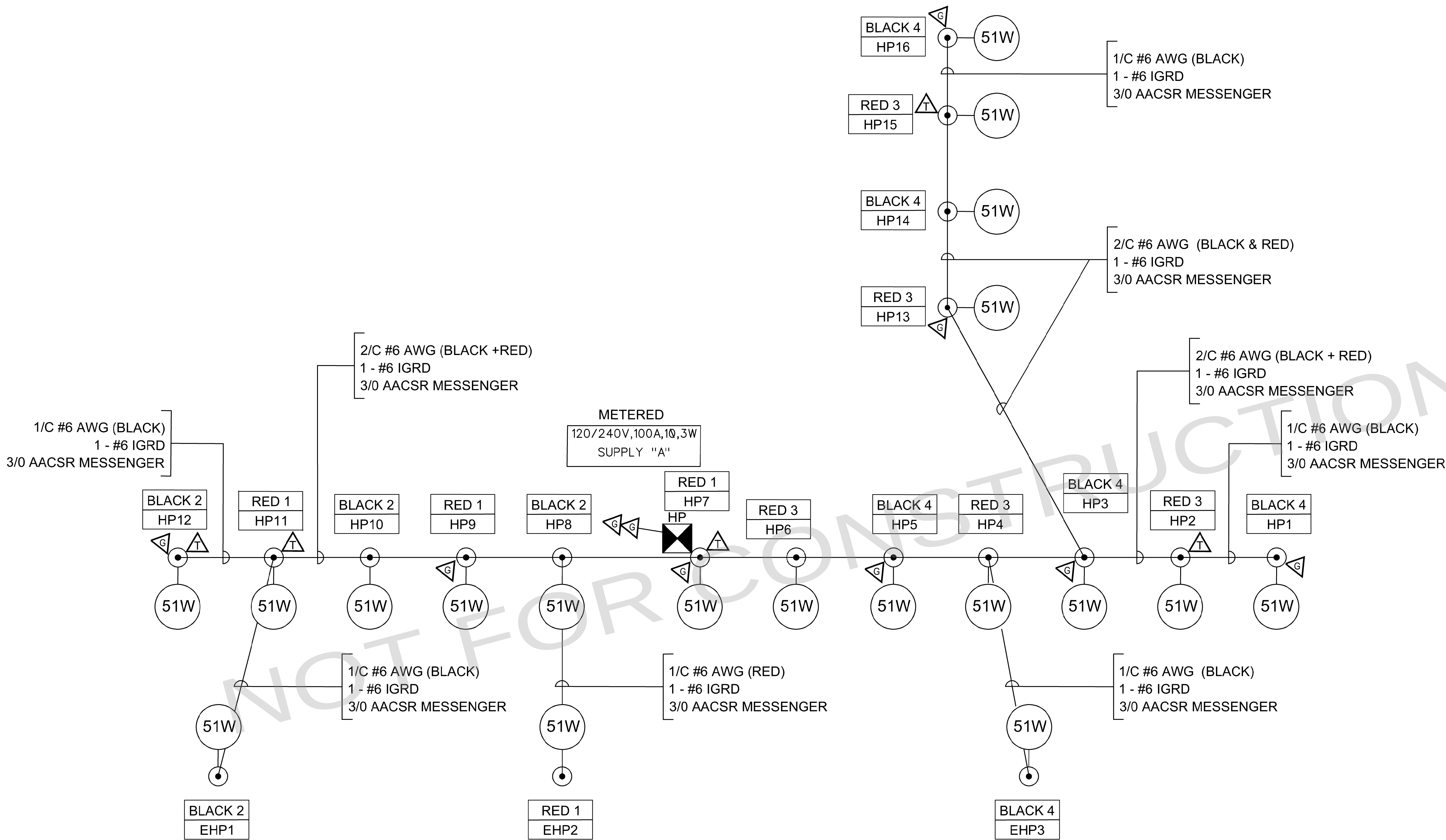
BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM
PROJECT No. 60560495

1	2026/07/10	BK	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of PICKERING

WHITEVALE ROAD/NORTH ROAD STREET LIGHTING LAYOUT 2 FROM STA 1+710 TO 1+870 AND STA 8+020 TO 8+186	
SURVEY BY: IBW SURVEYORS	DATE: 2018/05/03
DRAWN BY: SM	DATE: MAY, 2026
DESIGN BY: TS	DATE: MAY, 2026
PLAN SCALE: 1:250	PROFILE SCALE:
TENDER No. T2020-31	
DRAWING No. E-004	SHEET 34 of 48



- NOTES:
- GENERAL
- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 - PRIOR TO INSTALLATION OF LUMINAIRE BRACKETS AND LUMINAIRES, THE CONTRACTOR SHALL CONTACT ELEXICON TO CONFIRM EQUIPMENT MOUNTING HEIGHTS AND COORDINATE SYSTEM ENERGIZATION.
 - THE CONTRACTOR SHALL MAINTAIN ROADWAY LIGHTING FROM DUSK TO DAWN.
 - FOR STREET LIGHTING LUMINAIRE BRACKET MOUNTING HEIGHTS, REFER TO ELEXICON STANDARD 3-100.
- STREET LIGHTING LEGEND:
- EXISTING HYDRO POLE WITH NEW LUMINAIRE AND BRACKET
 - EXISTING HYDRO POLE WITH EXISTING LUMINAIRE AND BRACKET
 - PROPOSED POLE-MOUNTED POWER SUPPLY PANEL (METERED)
 - EXISTING HYDRO POLE
 - EXISTING HYDRO CABLE AERIAL
 - PROPOSED STREETLIGHTING CABLE AERIAL
 - GROUND ROD
 - EXISTING TRANSFORMER

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	BK	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

WHITEVALE ROAD/NORTH ROAD
STREET LIGHTING WIRING DIAGRAM

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SM	DATE:	MAY, 2026
DESIGN BY:	TS	DATE:	MAY, 2026
PLAN SCALE:	NTS	SECTION SCALE:	

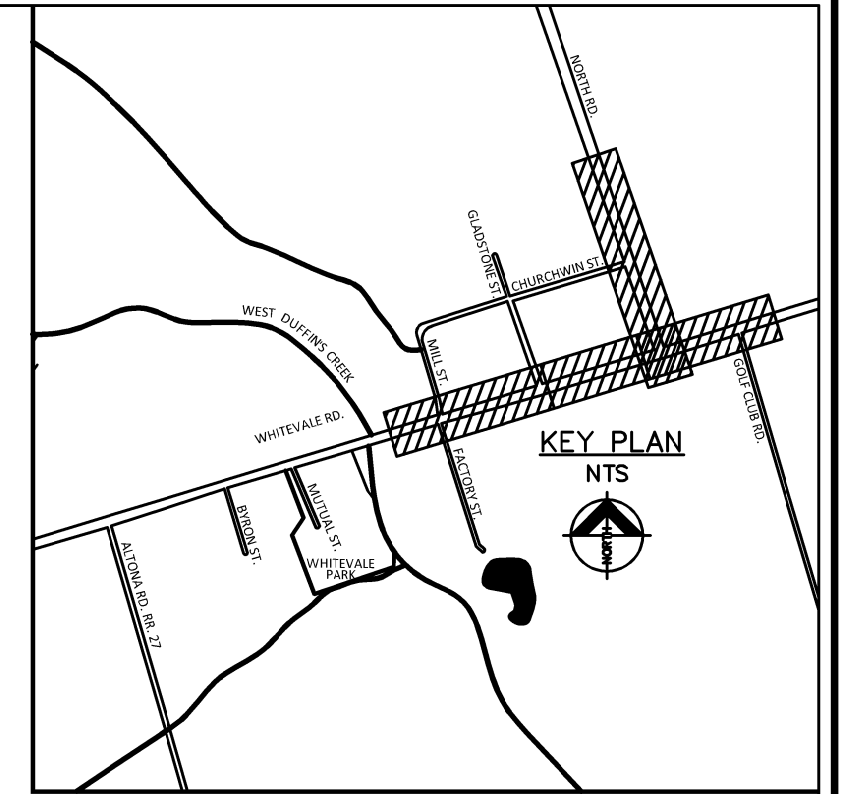
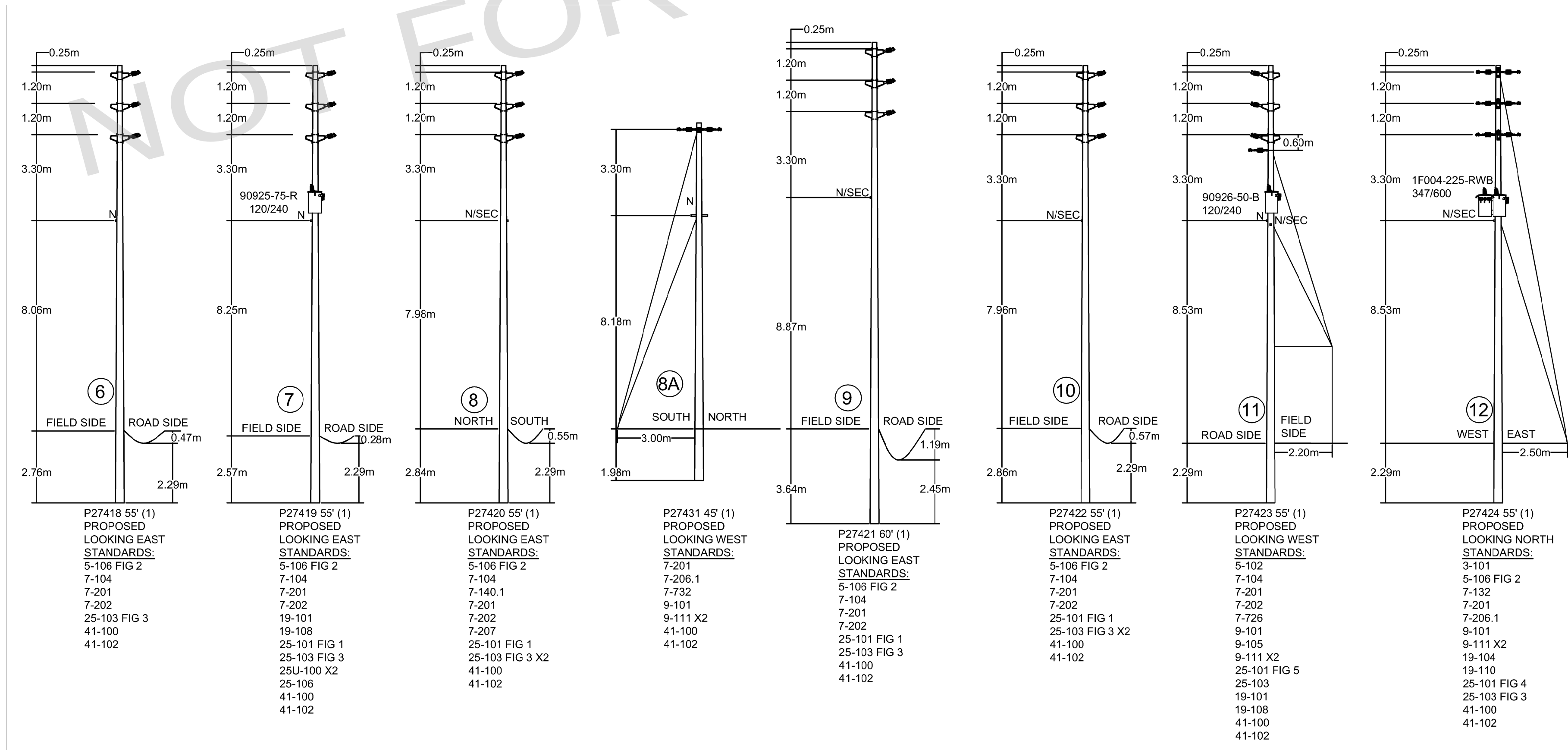
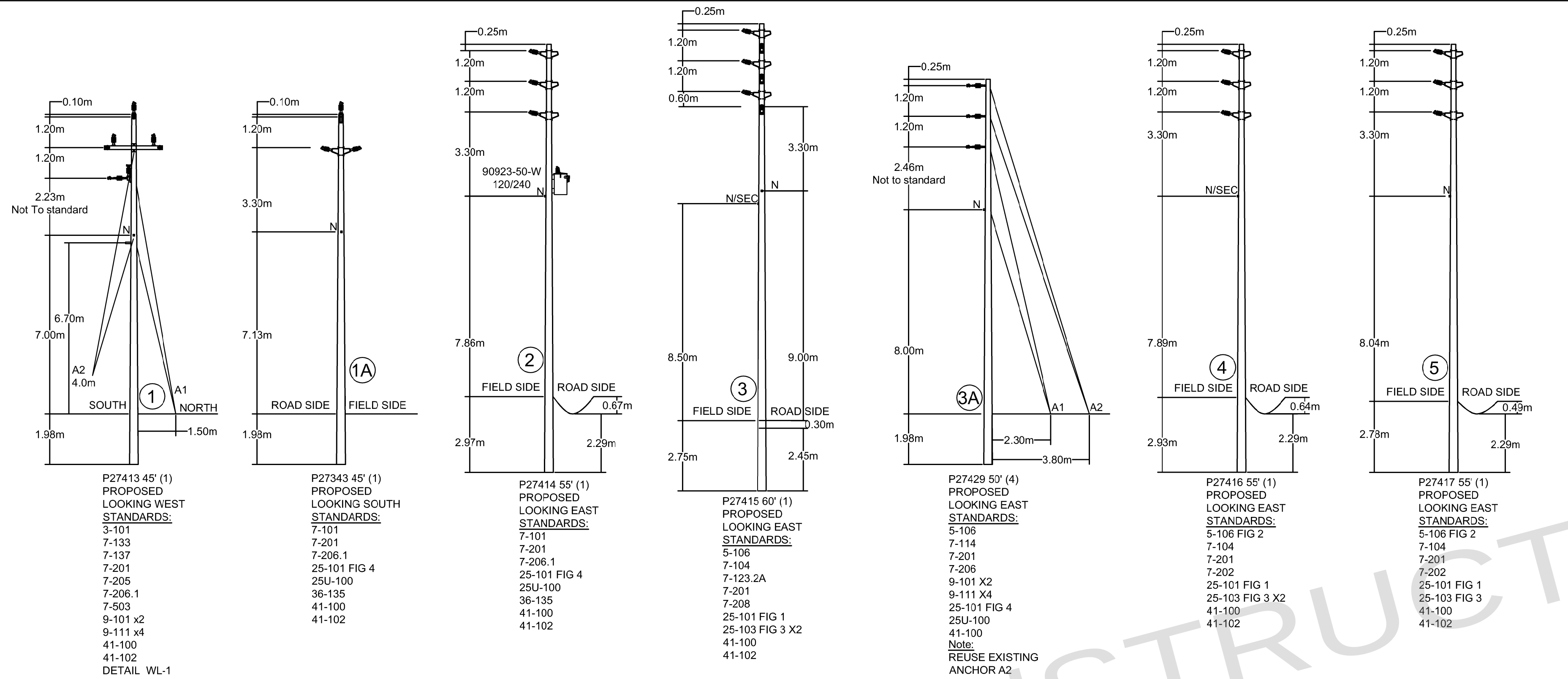
TENDER No. T2020-31

DRAWING No.	E-005	SHEET 35 of 48
-------------	-------	----------------

LOAD SUMMARY TABLE
STREET LIGHTING

METERED SUPPLY 'A' 120/240V, 1Ø, 3W MAIN BREAKER - 100A									
CIRCUIT LOAD (W)	LUMINAIRE WATTAGE (W)	DESCRIPTION	CIRCUIT NUMBER	BREAKER NUMBER	BREAKER NUMBER	CIRCUIT NUMBER	DESCRIPTION	LUMINAIRE WATTAGE (W)	CIRCUIT LOAD (W)
204W	4 X 51W	HP11, HP9, EHP2, HP7	RED1	30 A	30 A	BLACK 2	HP8, HP10, HP1, HP12	4 X 51W	204W
255W	5 X 51W	HP6, HP4, HP2, HP13, HP15	RED3	30 A	30 A	BLACK4	HP5, EHP3, HP3, HP1, HP14, HP16	6 X 51W	306W
SUB TOTAL RED CIRCUIT = 459 W SUB TOTAL BLACK CIRCUIT = 510 W TOTAL LOAD = 969 W									

POLE PROFILE - N.T.S.



LOCATION MAP

NOTES:

GENERAL

- THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
- PRIOR TO INSTALLATION OF LUMINAIRE BRACKETS AND LUMINAIRES, THE CONTRACTOR SHALL CONTACT ELEXICON TO CONFIRM EQUIPMENT MOUNTING HEIGHTS AND COORDINATE SYSTEM ENERGIZATION.
- THE CONTRACTOR SHALL MAINTAIN ROADWAY LIGHTING FROM DUSK TO DAWN.
- FOR STREET LIGHTING LUMINAIRE BRACKET MOUNTING HEIGHTS, REFER TO ELEXICON STANDARD 3-100.

BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT No. 60560495

1	2026/07/10	BK	ISSUED FOR TENDER
No.	DATE	BY	REVISIONS

City of
PICKERING

WHITEVALE ROAD/NORTH ROAD STREET LIGHTING DETAILS 1

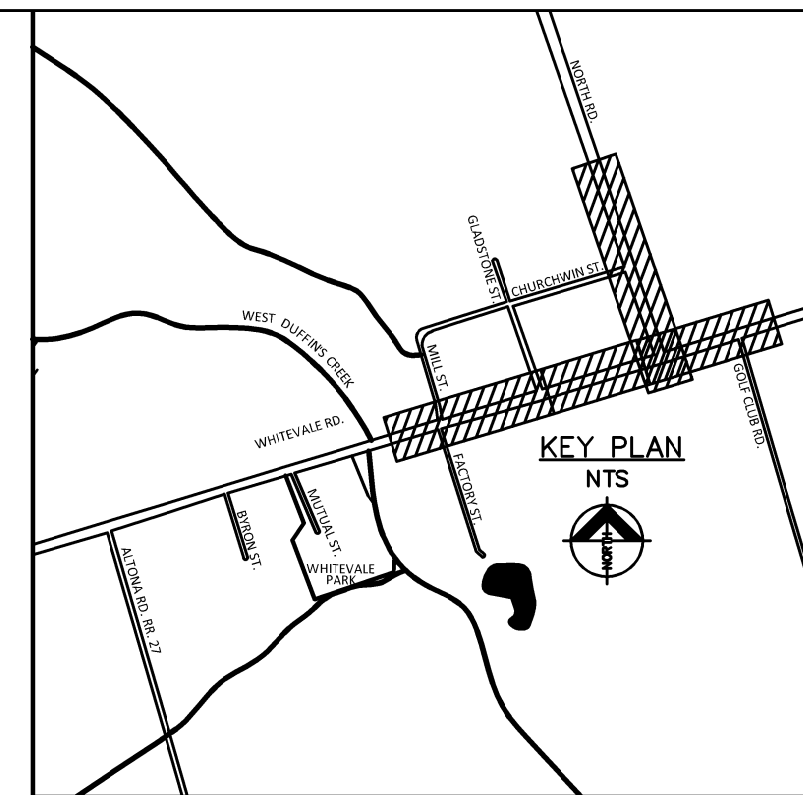
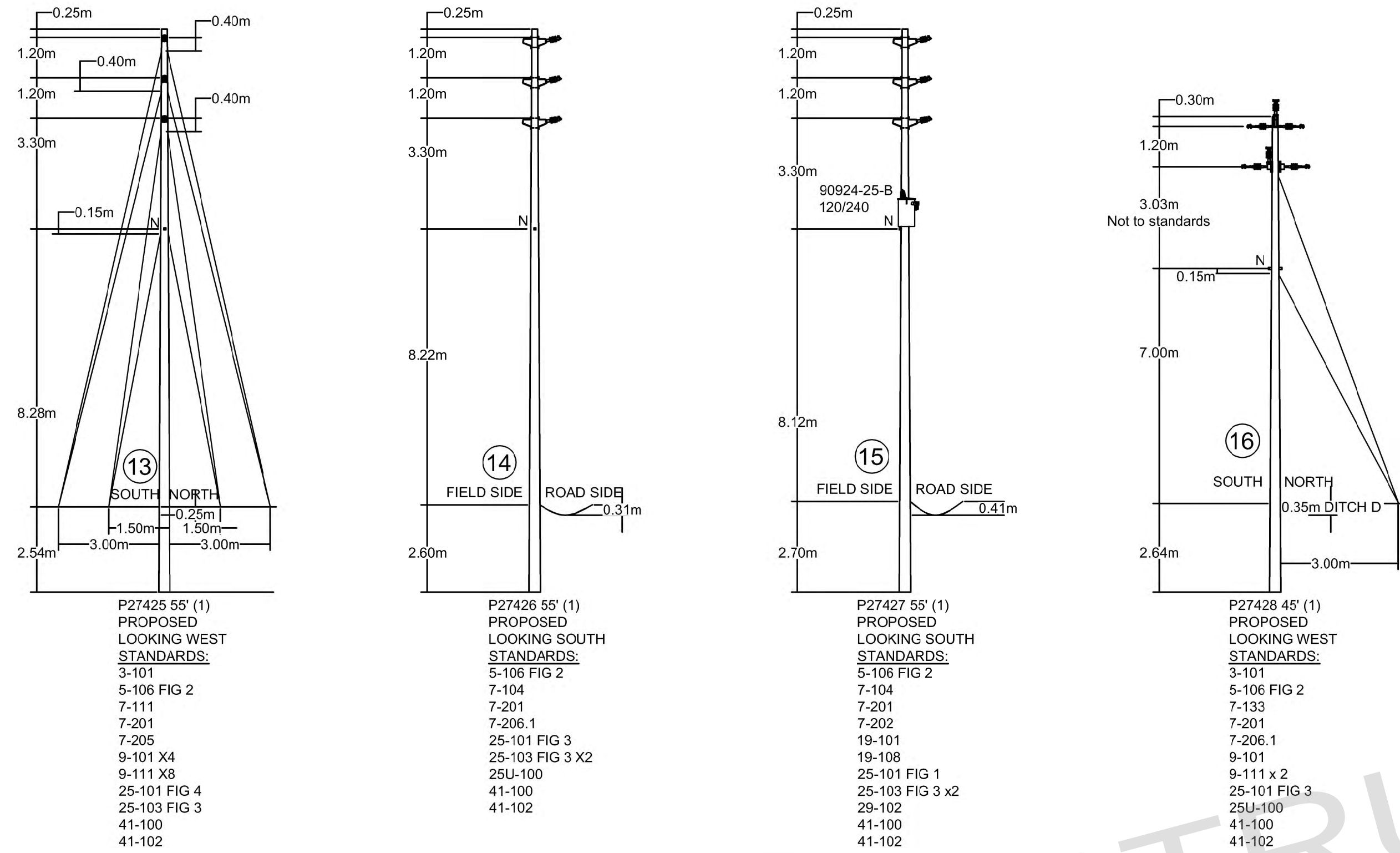
SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SM	DATE:	MAY, 2026
DESIGN BY:	TS	DATE:	MAY, 2026
PLAN SCALE:	NTS	CL PROFILE SCALE:	

TENDER No. T2020-31

DRAWING No.
E-006

SHEET 36 of 48

POLE PROFILE - N.T.S.

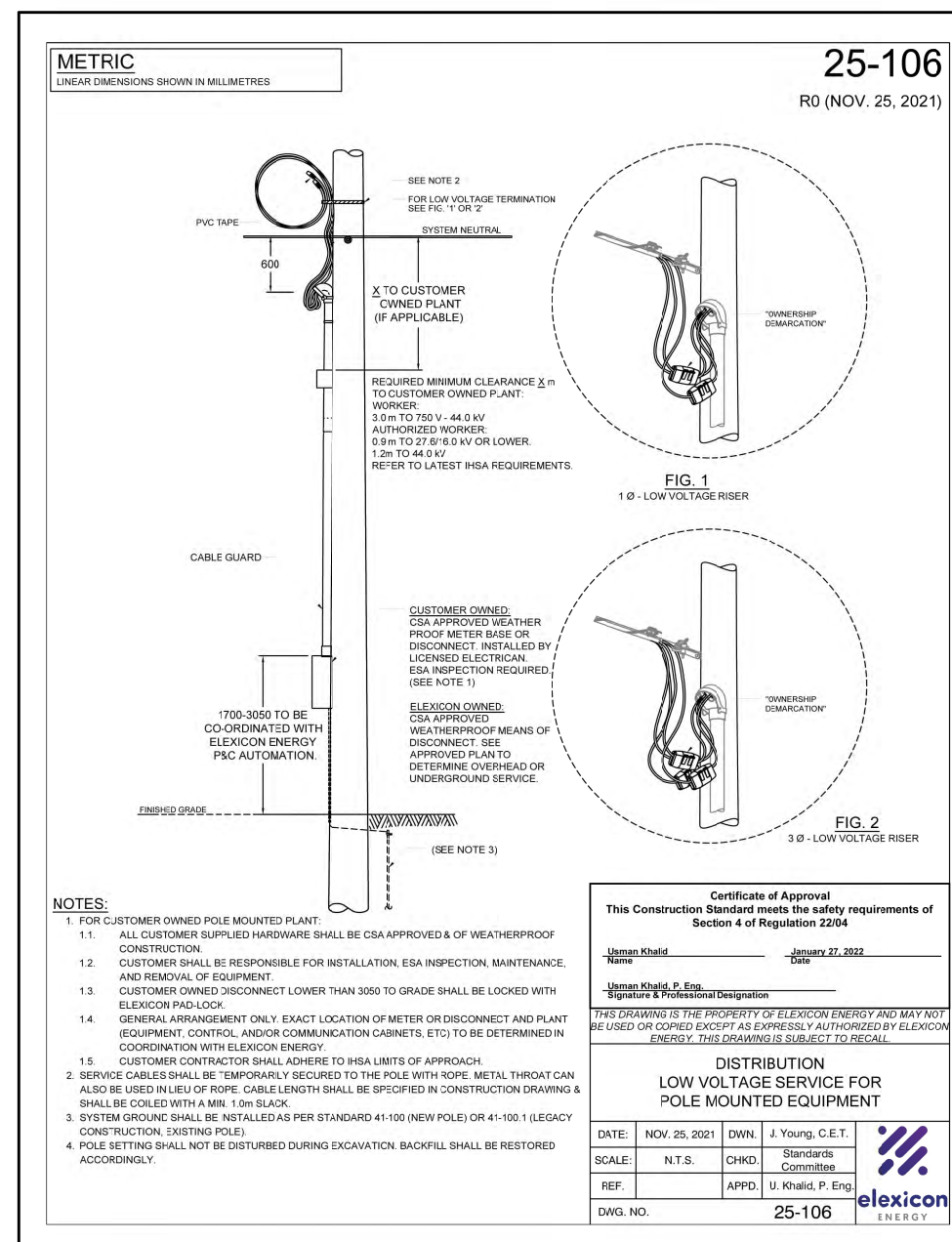
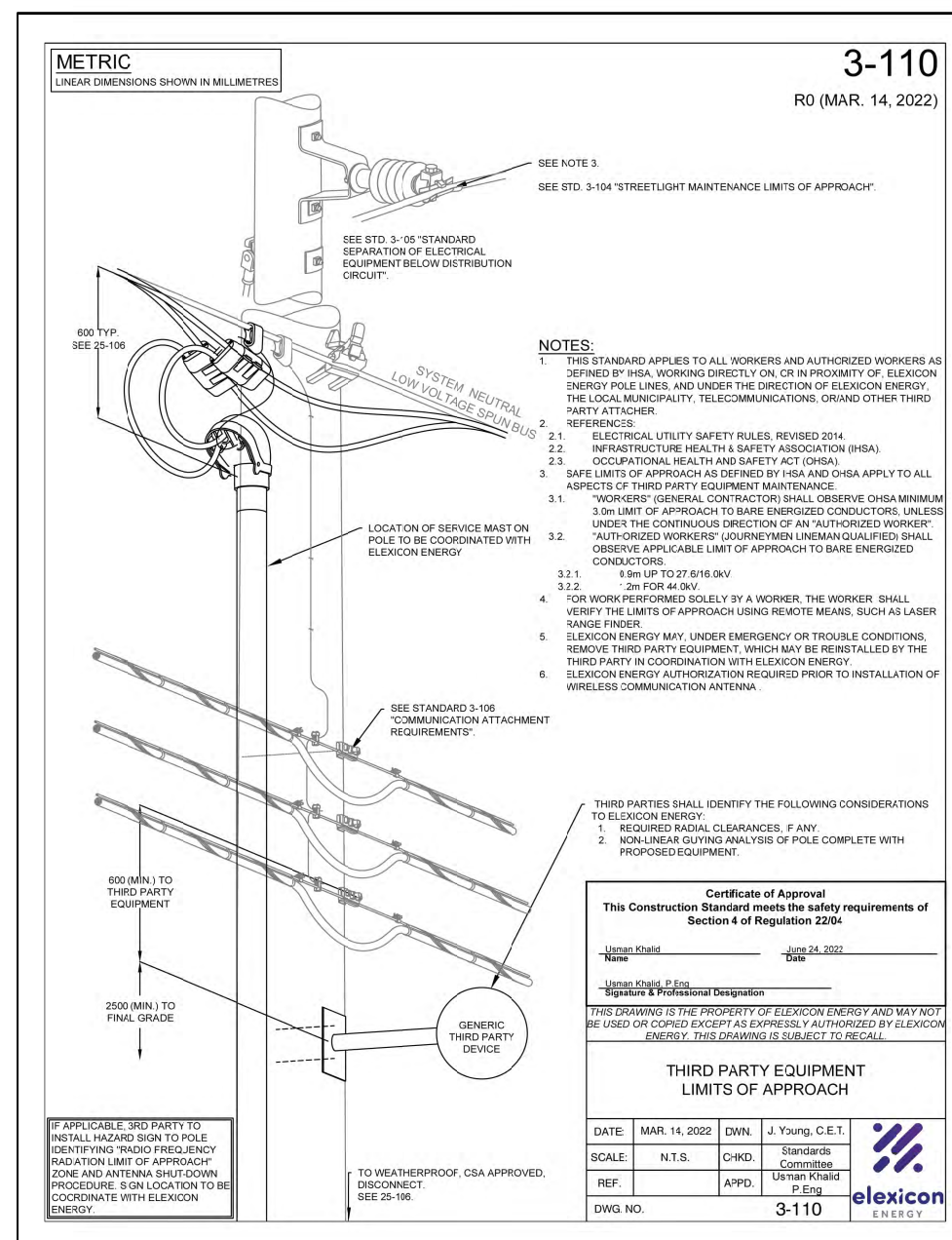
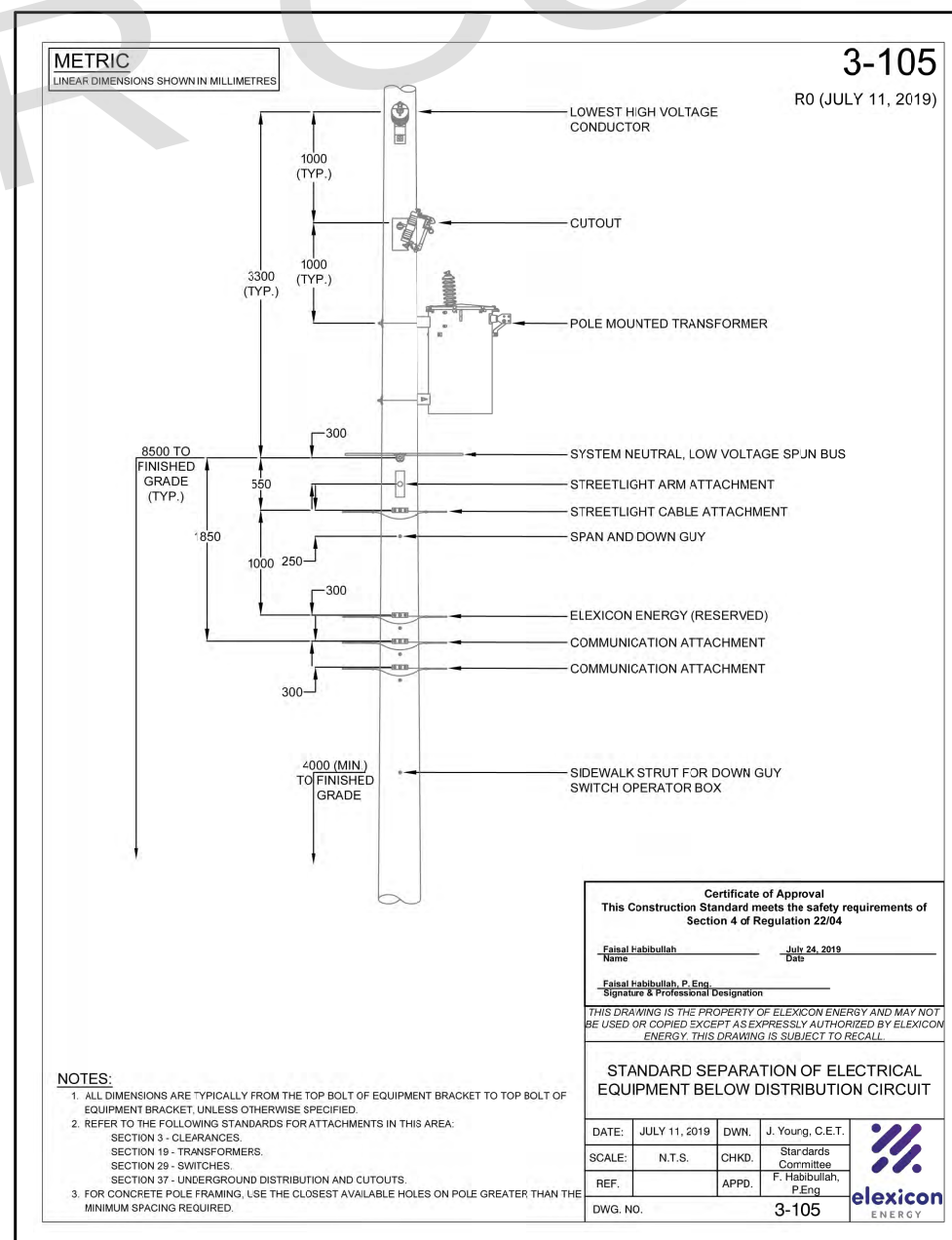
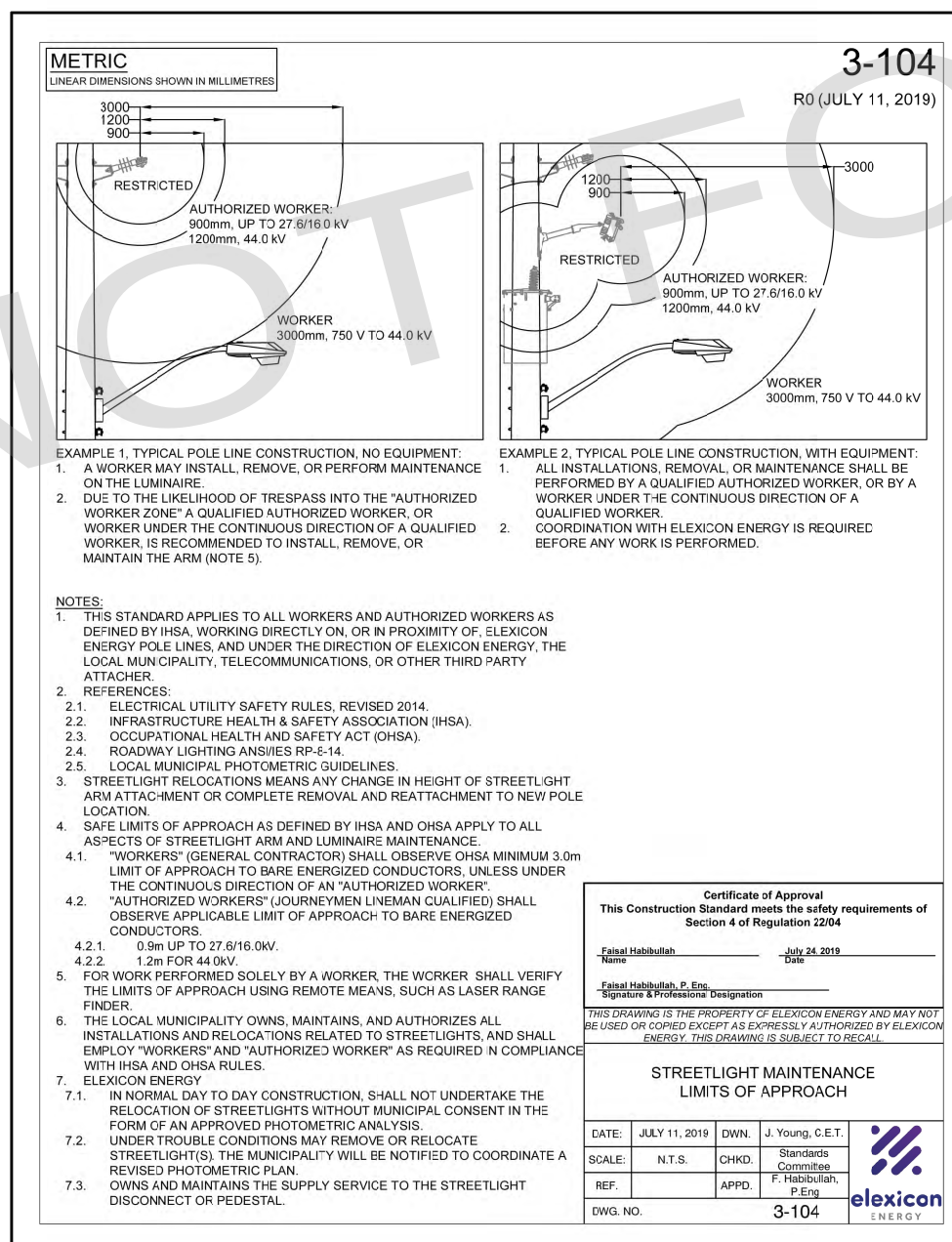
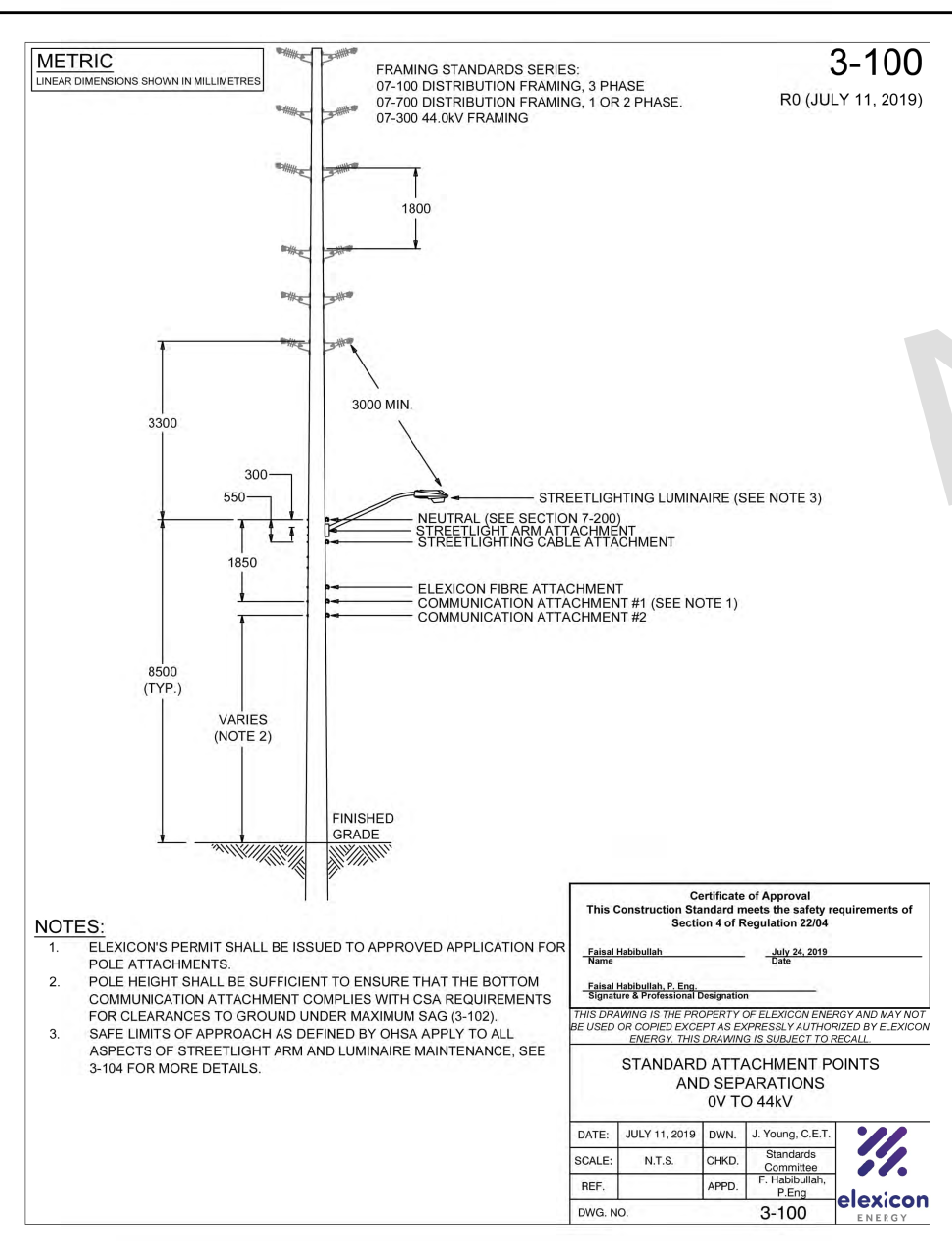


LOCATION MAP

NOTES:

GENERAL

1. THE CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT FROM THE CITY PRIOR TO STARTING WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. THE APPROPRIATE UTILITIES ARE TO BE NOTIFIED, A STAKE-OUT OR LOCATE OBTAINED BEFORE ANY DIGGING BEGINS. THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
3. PRIOR TO INSTALLATION OF LUMINAIRE BRACKETS AND LUMINAIRES, THE CONTRACTOR SHALL CONTACT ELEXICON TO CONFIRM EQUIPMENT MOUNTING HEIGHTS AND COORDINATE SYSTEM ENERGIZATION.
4. THE CONTRACTOR SHALL MAINTAIN ROADWAY LIGHTING FROM DUSK TO DAWN.
5. FOR STREET LIGHTING LUMINAIRE BRACKET MOUNTING HEIGHTS, REFER TO ELEXICON STANDARD 3-100.



BENCH MARK ELEVATION
ELEVATIONS ARE GEODETIC AND REFERRED TO CITY OF PICKERING
BENCHMARK 4-041 HAVING A GEODETIC ELEVATION OF 198.949m.
HORIZONTAL DATUM
NAD83(CSRS)(2010) UTM ZONE 17

AECOM

PROJECT NO. 60560495

No.	DATE	BY	REVISIONS
1	2026/07/10	BK	ISSUED FOR TENDER

City of
PICKERING

WHITEVALE ROAD/NORTH ROAD
STREET LIGHTING DETAILS 2

SURVEY BY:	IBW SURVEYORS	DATE:	2018/05/03
DRAWN BY:	SM	DATE:	MAY, 2026
DESIGN BY:	TS	DATE:	MAY, 2026
PLAN SCALE:	NTS	PROFILE SCALE:	

TENDER No. T2020-31	
DRAWING No. E-007	SHEET 37 of 48