

KEY PLAN

1:10,000

PROPERTY:

Block A, Plan 4114TR

LOCATION:

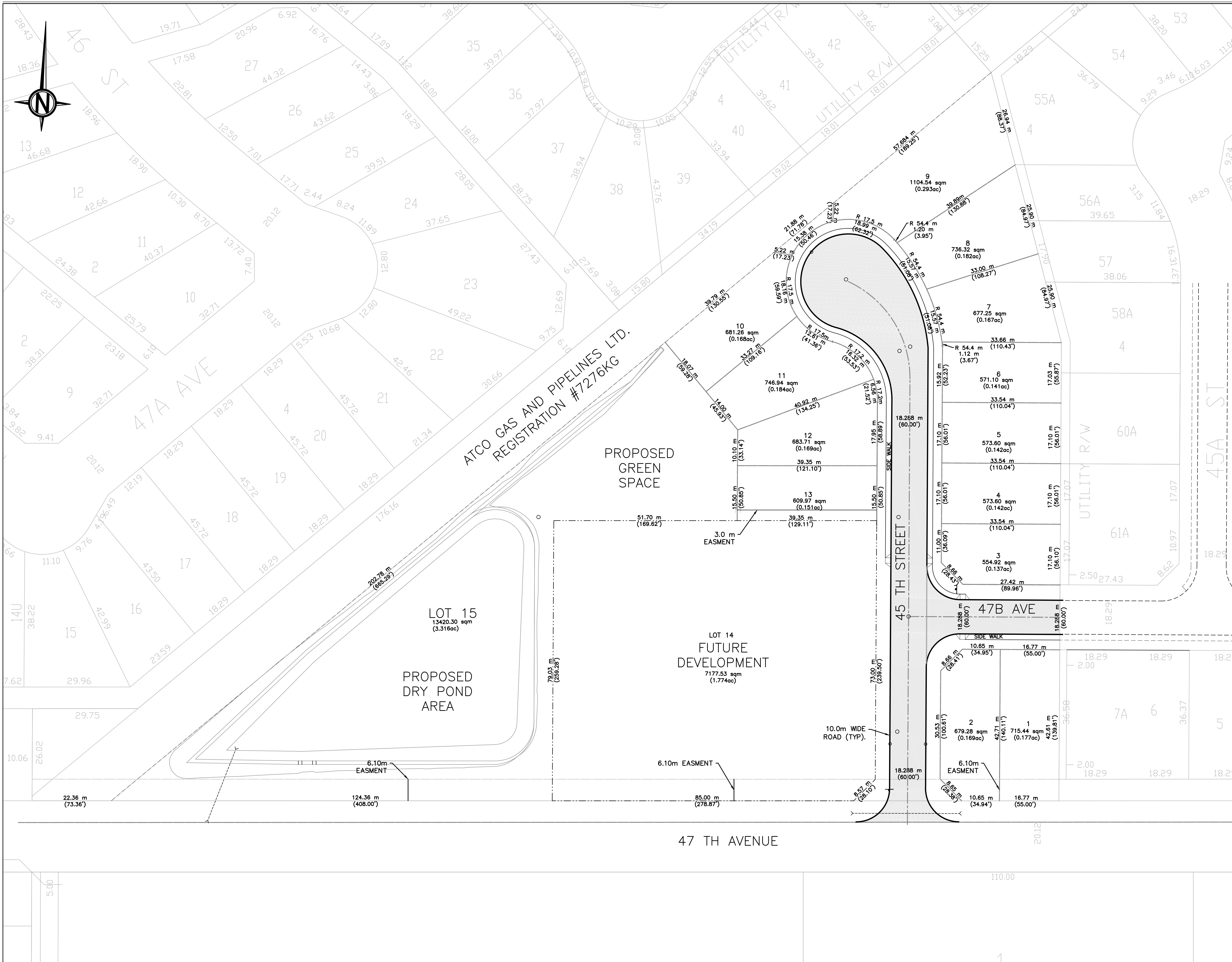
ONOWAY, ALBERTA

DATE:

November 2022

DRAWING LIST:

- DD-22D006-1 TENTATIVE LOT PLAN
- DD-22D006-2 SUBDIVISION PLAN
- DD-22D006-3 U/G UTILITIES PLAN
- DD-22D006-4 STORM WATER MANAGEMENT PLAN
- DD-22D006-5 EXISTING CONTOUR PLAN
- DD-22D006-6 ROAD PLAN PROFILE
- DD-22D006-7 ROAD PLAN PROFILE
- DD-22D006-8 TYPICAL SECTIONS AND DETAILS
- DD-22D006-9 TYPICAL SECTIONS AND DETAILS
- DD-22D006-10 LANDSCAPING PLAN



NOTES

LEGEND

- PROPERTY LINE
- EXISTING ROAD
- PAVED ROADWAY

ENGINEER'S STAMP

PERMIT STAMP

PERMIT TO PRACTICE
 Bolson Engineering and Environmental Services
 Signature: [Signature]
 Date: DEC 15, 2022
 PERMIT NUMBER: P11382
 The Association of Professional Engineers, Geologists and Geophysicists of Alberta

NO.	DATE	DESCRIPTION	BY	CHE	ENG	APP
D	15-DEC-22	ISSUED FOR PERMIT	TS	TT	TT	
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A	30-MAY-22	ISSUED FOR REVIEW	TS	TT	TT	

REVISIONS

DRAWN BY:	DATE:	CHECKED BY:	DATE:
T. SHINNESS	06-JUL-21		
ENGINEER:	DATE:	APPROVED:	DATE:

ONOWAY, ALBERTA

PROPOSED DEVELOPMENT
 TENTATIVE LOT PLAN
 BLOCK A, PLAN 4114TR

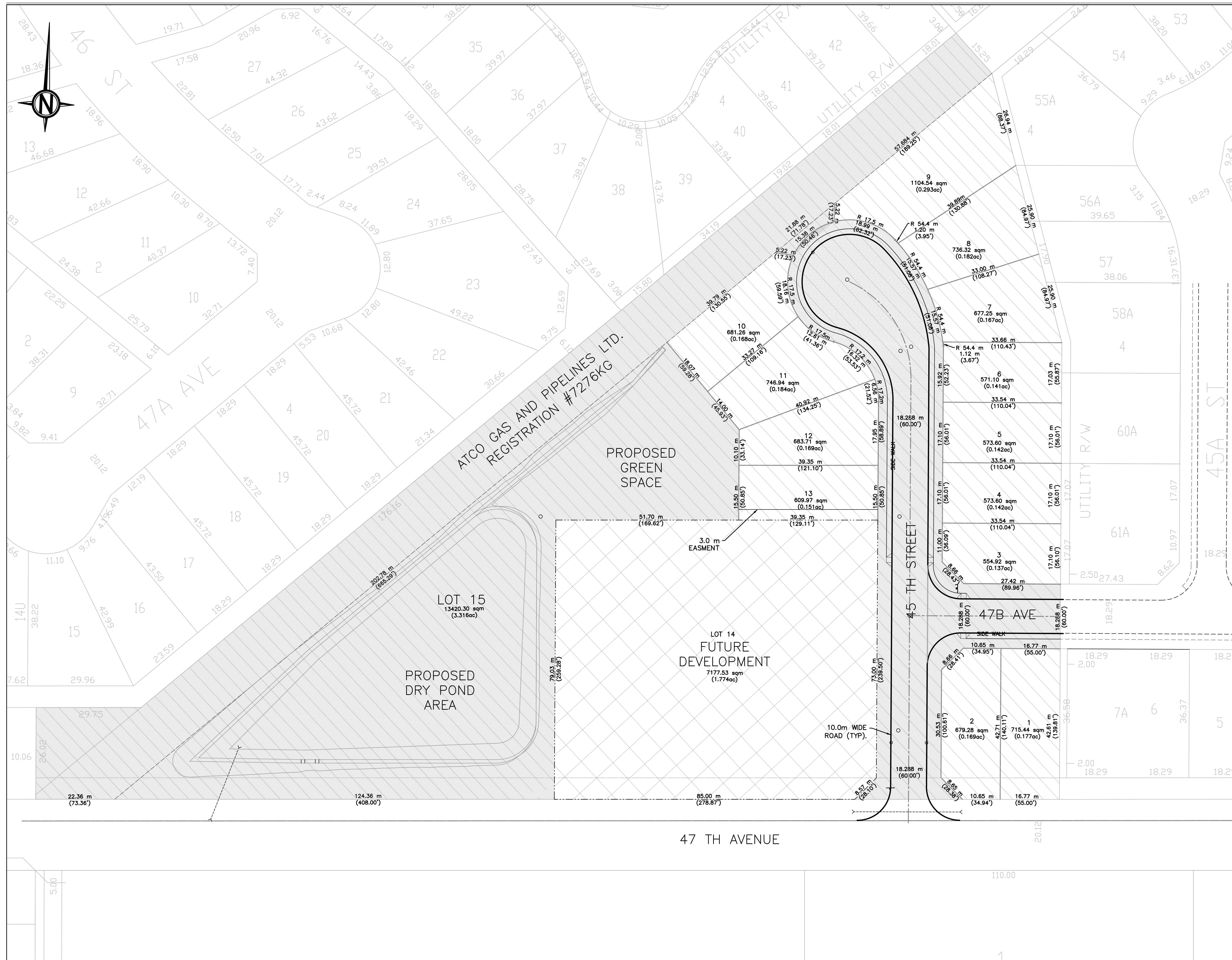
SCALE: 1:500

CLIENT: FACTION ARCHITECTURE INC

BOLSON
 ENGINEERING AND ENVIRONMENTAL SERVICES

9703-199 St. EDMONTON, AB T5T-6E8
 www.bolson.ca
 PH: 780-668-8571
 FAX: 780-413-8879

JOB NUMBER: 22-D-006 DWG NUMBER: DD-22D006-01 REV: D



NOTES

LEGEND

- TO BECOME TOWN PROPERTY, R1N ZONING
- R1N ZONING
- US ZONING

ENGINEER'S STAMP

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T. SHINNESS	06-JUL-21		
ENGINEER:	DATE:	APPROVED:	DATE:

ONOWAY, ALBERTA

PROPOSED DEVELOPMENT TENTATIVE SUBDIVISION PLAN

BLOCK A, PLAN 4114TR

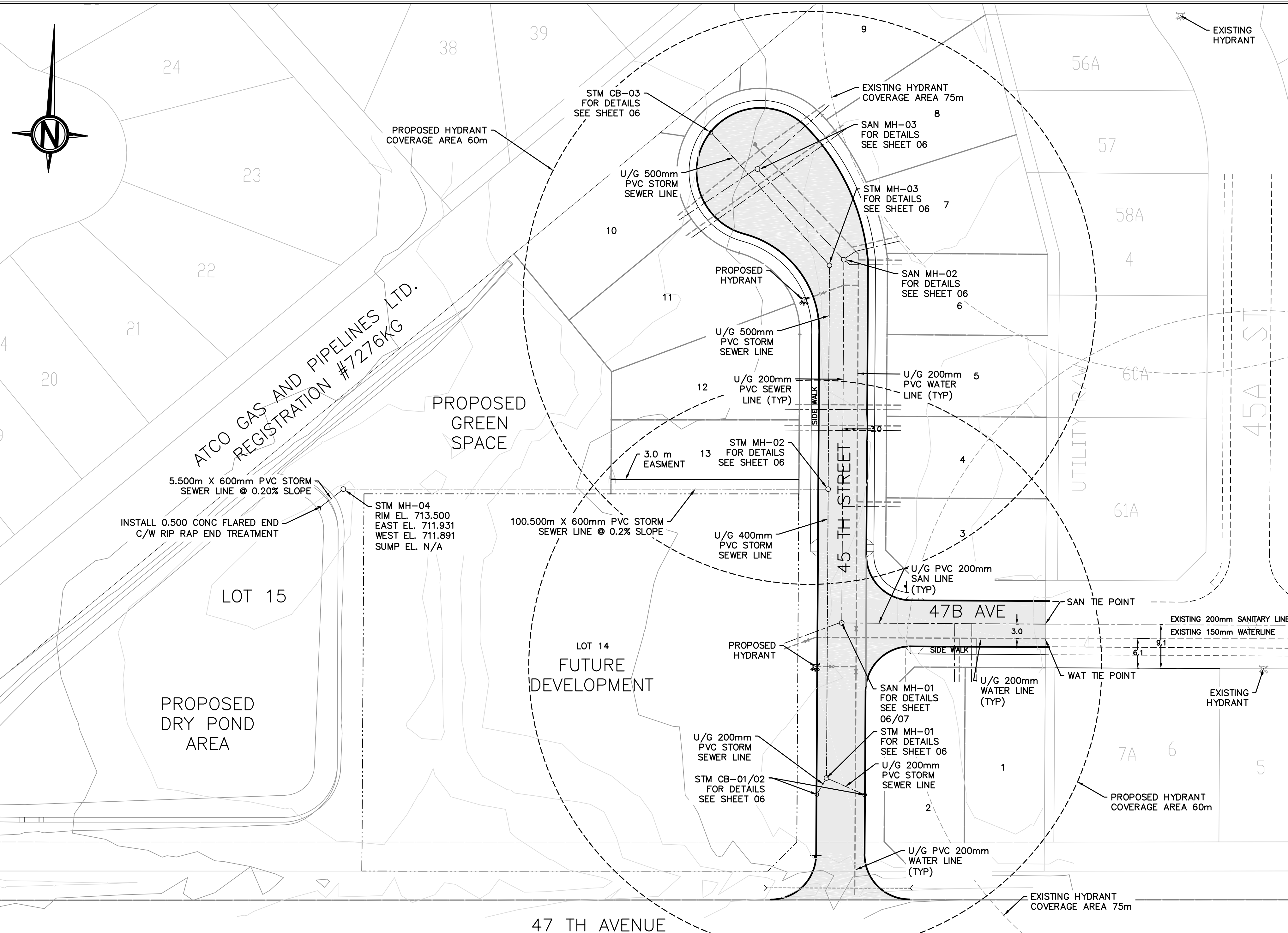
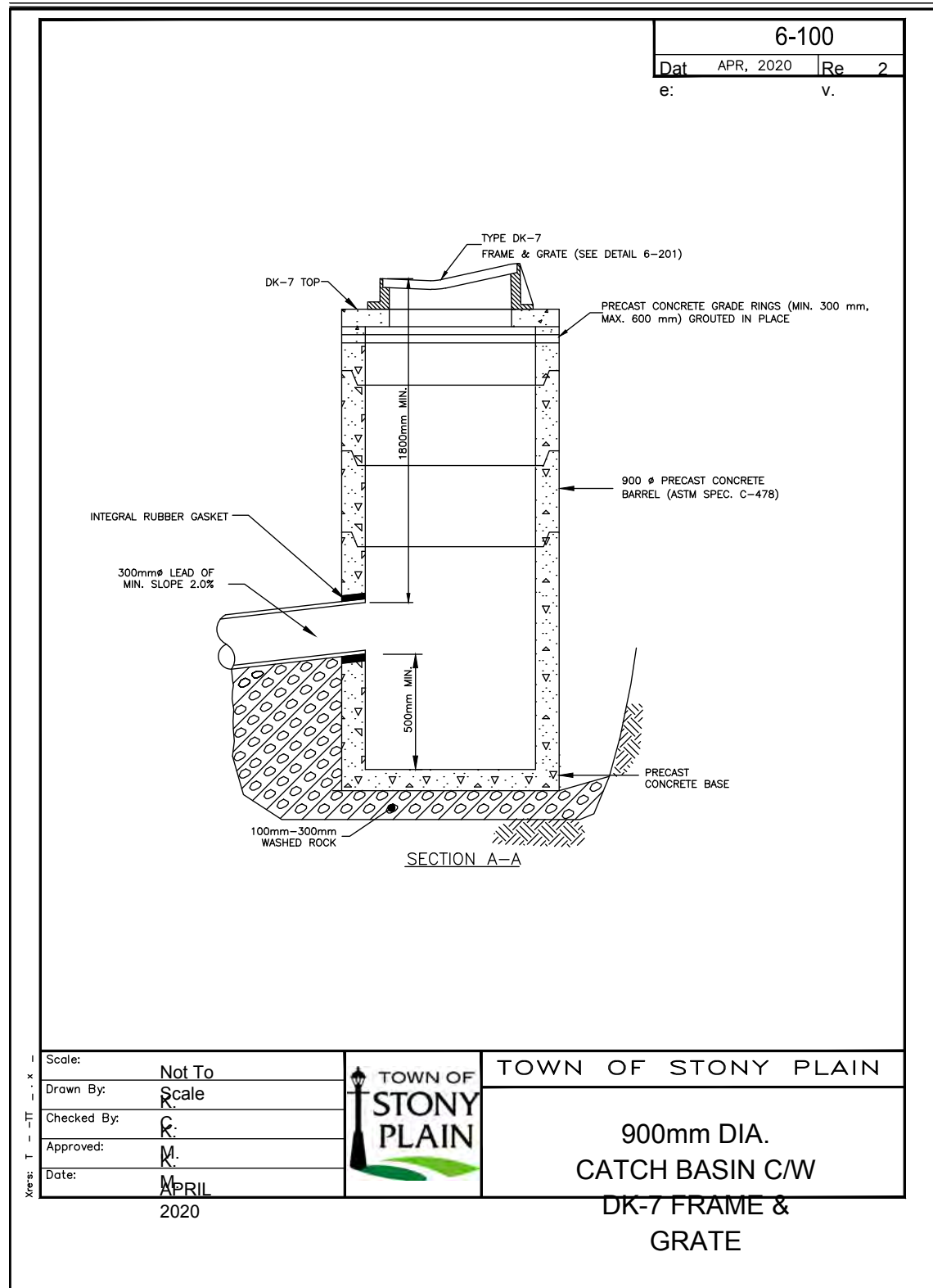
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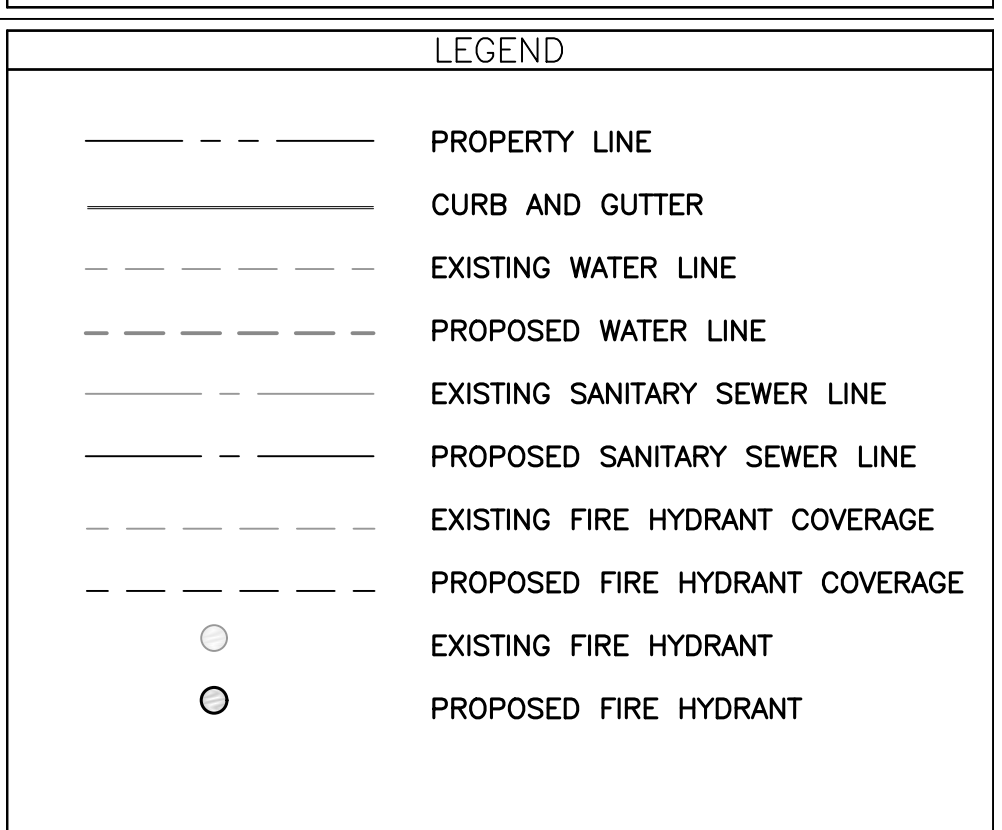
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JOB NUMBER: 22-D-006 DWG NUMBER: DD-22D006-02 REV: D



- NOTES
- 1.0 ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE
 - 2.0 ALL DISTANCES ARE IN METERS
 - 3.0 ALL CONSTRUCTION TO COMPLY WITH TOWN OF ONWAY GUIDELINES.
 - 4.0 INSPECTION OF MUNICIPAL UTILITY CONNECTIONS (WATER SANITARY AND STORM SEWER) TO TOWN MAINLINES IS TO BE INSPECTED BY TOWN STAFF. NOTICE IS REQUIRED TO SCHEDULE AN INSPECTION.
 - 5.0 SERVICES TO BE MINIMUM 2.7M DEPTH TO OVERTOP OF PIPE
 - 6.0 INSULATE ALL PIPE AS PER TOWN OF STONY PLAIN DETAIL 7-900



ENGINEER'S STAMP

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Bolton Engineering and Environmental Services
Signature: *Thomas Bolton*
Date: DEC 15, 2022
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STORM SEWER DESIGN

UPSTREAM MANHOLE	DOWNSTREAM MANHOLE	LENGTH (m)	SIZE (mm)	PIPE TYPE	GRADE %	INLET AREA (Ha)	C	CXA	TOTAL CXA	TIME (min)	INTENSITY (mm/h)	DESIGN FLOW (m³/s)	N	VELOCITY (m/s)	CAPACITY (m³/s)	CAPACITY %	UPSTREAM INVERT	DOWNSTREAM INVERT	UPSTREAM RIM	UPSTREAM COVER (m)	
CB-03	MH-03	36.20	500		0.20	0.50	0.90	0.45	0.45	8.00	92.63	0.116	0.013	0.860	0.169	68.57		712.344	712.272	713.97	1.13
MH-03	MH-02	45.80	500		0.20	0.00	0.90	0.00	0.45	8.70	87.27	0.109	0.013	0.860	0.169	64.60		712.232	712.140	714.47	1.74
MH-01	MH-02	59.50	400		0.30	0.37	0.90	0.33	0.33	8.00	92.63	0.086	0.013	0.908	0.114	75.12		712.369	712.190	713.84	1.07
MH-02	MH-04	100.50	600		0.20	0.00	0.90	0.15	0.93	9.59	81.47	0.211	0.013	0.971	0.275	76.89		712.132	711.931	714.47	1.74
MH-04	OUTLET	5.50	600		0.20	0.00	0.90	0.00	0.93	11.31	72.45	0.188	0.013	0.971	0.275	68.38		711.891	711.880	713.50	1.01

SANITARY SEWER DESIGN

U/S MANHOLE	D/S MANHOLE	LENGTH (m)	SIZE (mm)	GRADE %	BASIN AREA HA	TOTAL AREA HA	LOTS	POP	TOTAL POP	PEAK	CONTRIBUTION (m³/s)	INFILTRATION (m³/s)	DESIGN FLOW (m³/s)	N	VELOCITY m/s	CAPACITY (m³/s)	CAP %	U/S INVERT	D/S INVERT	UPSTREAM RIM	UPSTREAM COVER (m)	DOWNSTREAM COVER (m)	U/S MANHOLE DEPTH (m)
S-03	S-02	26.15	200	0.40	0.32	0.32	4	13	13	3.8	0.00017	0.00009	0.00026	0.013	0.660	0.021	1.26	711.27	711.17	714.19	-	3.09	-
S-02	S-01	76.10	200	0.40	0.37	0.69	6	15	28	3.8	0.00042	0.00020	0.00062	0.013	0.660	0.021	3.01	711.16	710.86	714.45	3.09	3.19	3.29
S-01	TIE-IN	42.50	200	0.40	0.86	1.55	3	32	60	3.8	0.00092	0.00045	0.00137	0.013	0.660	0.021	6.60	710.86	710.69	714.25	3.19	4.02	3.39

ONWAY, ALBERTA

PROPOSED DEVELOPMENT
UNDERGROUND UTILITY PLAN

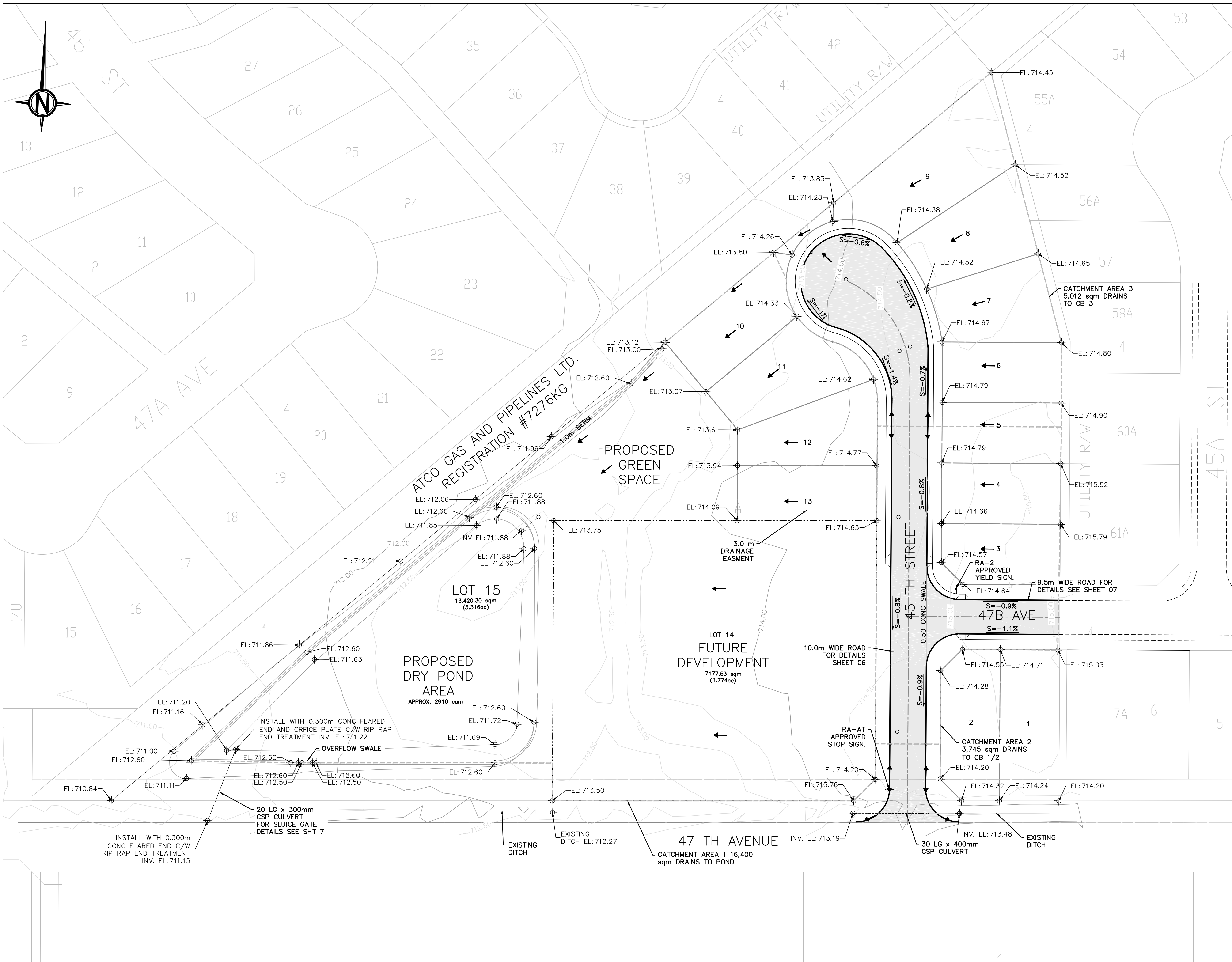
BLOCK A, PLAN 4114TR

SCALE:	CLIENT:
1:500	FACTION ARCHITECTURE INC

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JOB NUMBER:	DWG NUMBER:	REV:
22-D-006	DD-22D006-03	D

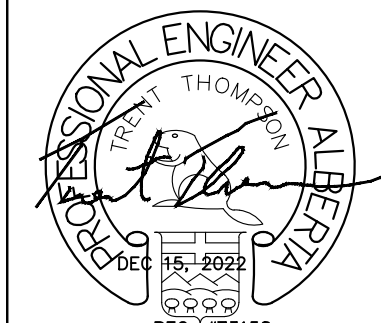


NOTES

- 1.0 ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE
- 2.0 ALL DISTANCES ARE IN METERS
- 3.0 PROPOSED DRY POND TO HANDLE DRAINAGE FROM FUTURE DEVELOPMENT (LOT 14) AND PORTION OF RESIDENTIAL LOTS (LOTS 1-13)
- 4.0 LOT 14 STORMWATER TO DISCHARGE TO DRY POND THROUGH UNDERGROUND STORM SYSTEM OR OVERLAND FLOW TO BE DESIGNED AS PART OF LOT 14 ONSITE DETAILED DESIGN.

LEGEND

- POND CATCHMENT AREA
- PROPERTY LINE
- CURB AND GUTTER
- DRAINAGE ARROW

ENGINEER'S STAMP	PERMIT STAMP
	PERMIT TO PRACTICE Bolson Engineering and Environmental Services Signature: <i>T. Shinness</i> Date: DEC 15, 2022 PERMIT NUMBER: P11382 The Association of Professional Engineers, Geologists and Geophysicists of Alberta

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ONOWAY, ALBERTA

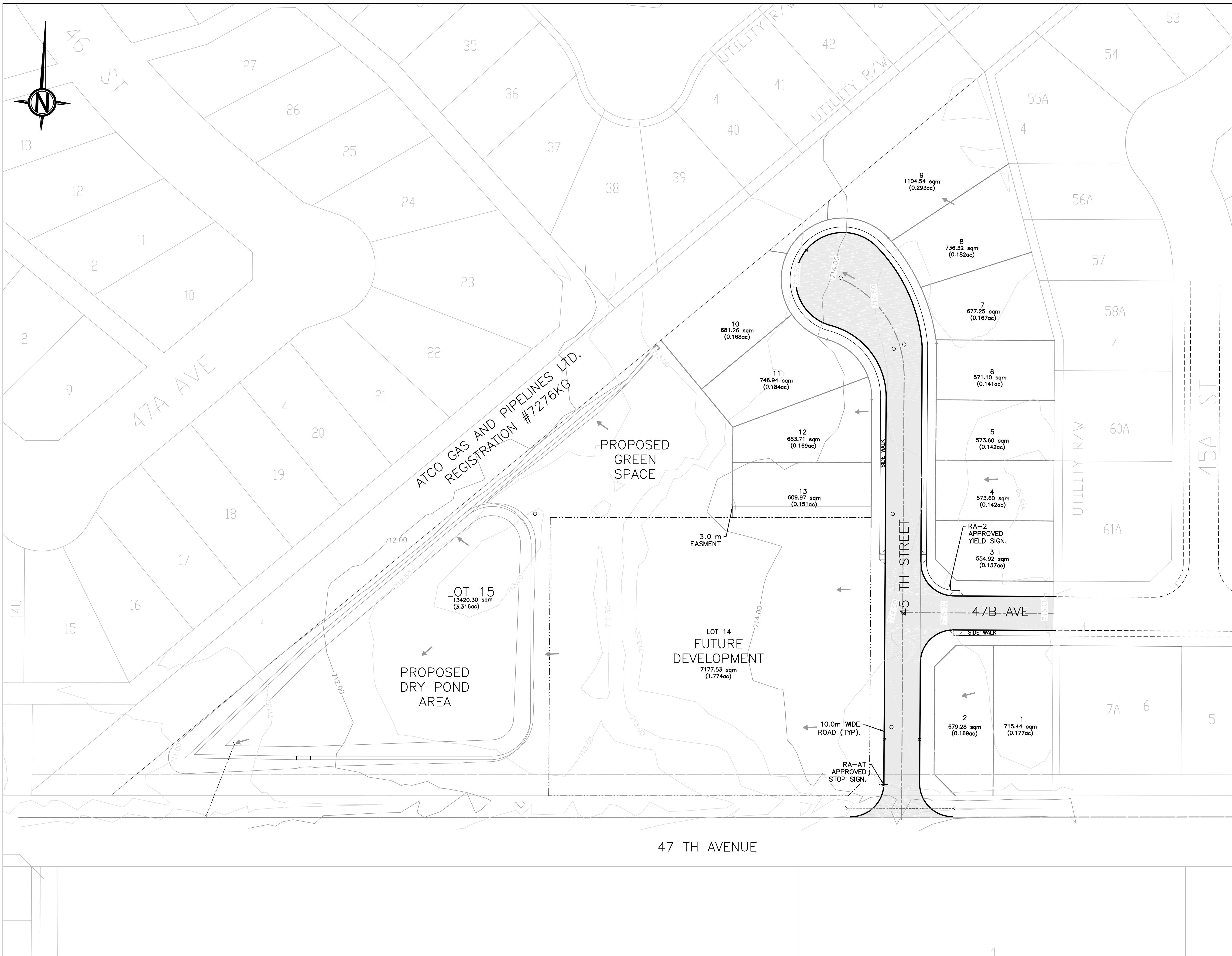
PROPOSED DEVELOPMENT STORM WATER AND GRADING PLAN SCHEMATIC

BLOCK A, PLAN 4114TR

SCALE: 1:500	CLIENT: FACTION ARCHITECTURE INC
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JOB NUMBER: 22-D-006	DWG NUMBER: DD-22D006-04	REV: D
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NOTES

LEGEND

- PROPERTY LINE
- CURB AND GUTTER
- ← EXISTING DRAINAGE ARROW

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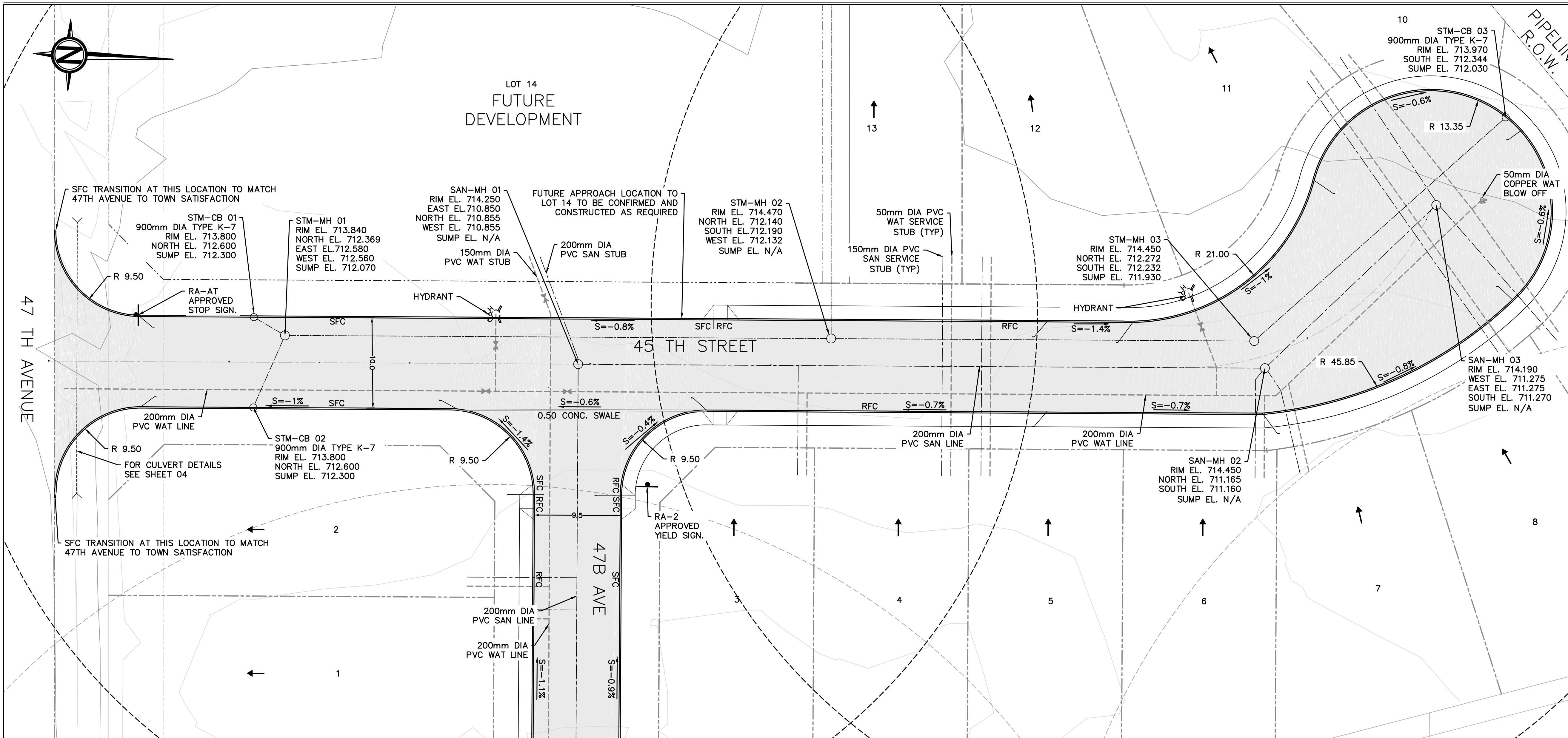
ONOWAY, ALBERTA

PROPOSED DEVELOPMENT
 EXISTING GRADE PLAN
 BLOCK A, PLAN 4114TR

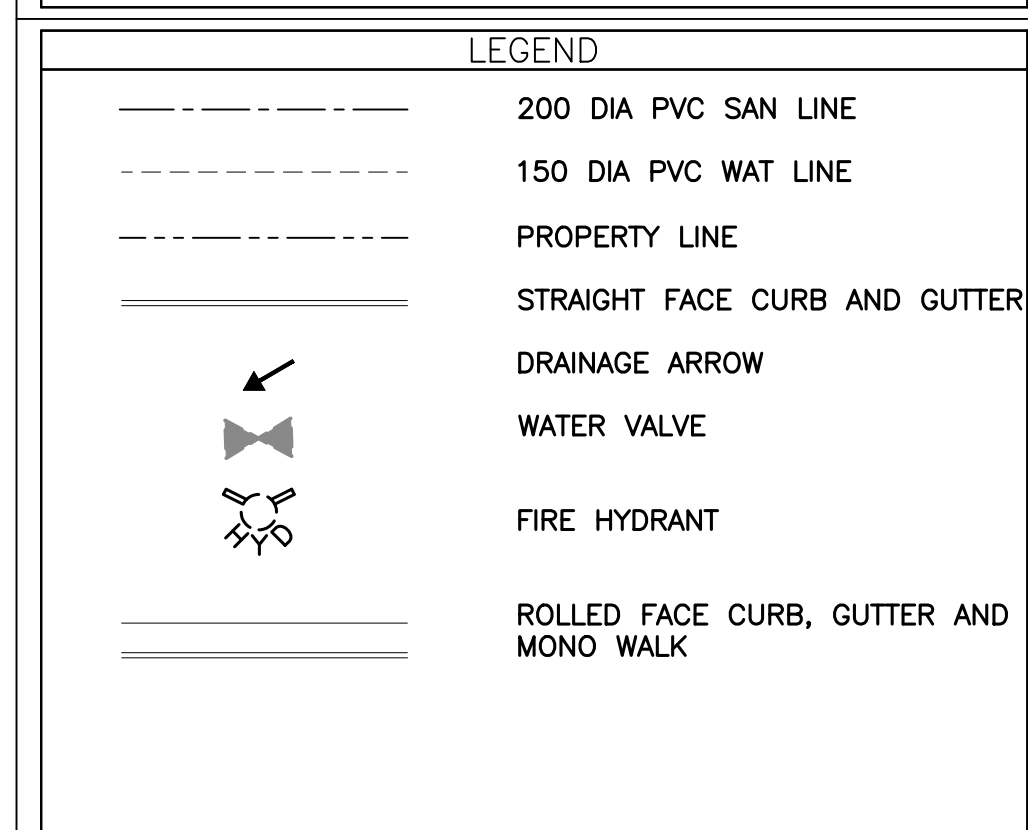
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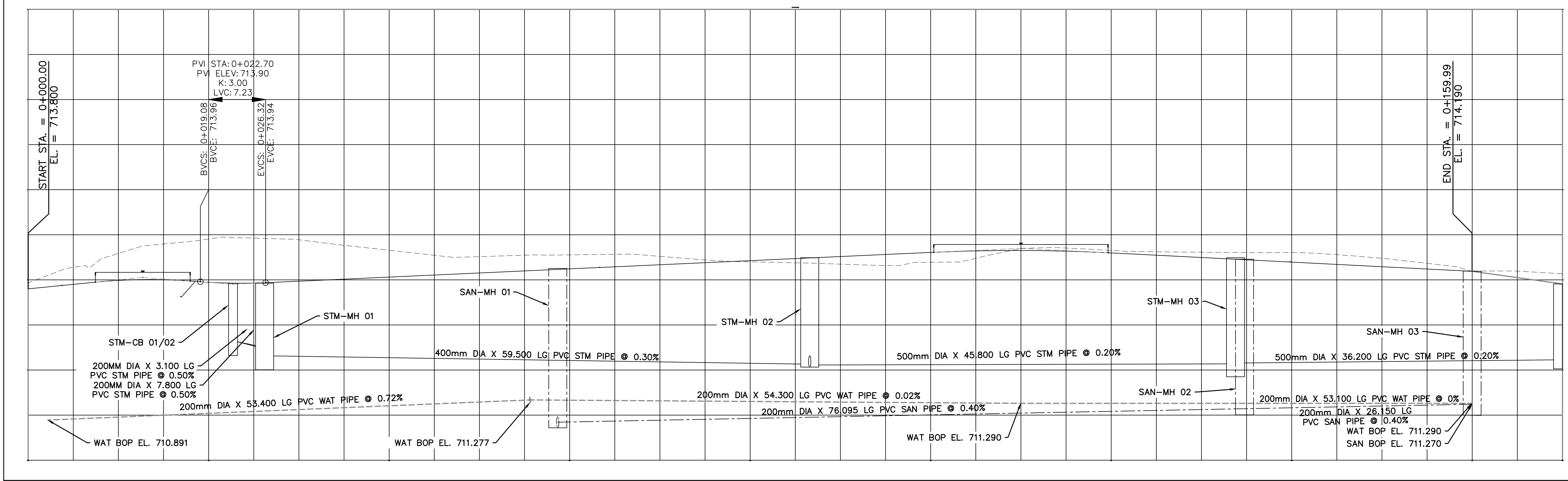
- NOTES**
1. ALL DIMENSIONS IN METERS AND DECIMALS THEREOF, UNLESS NOTED OTHERWISE.
 2. ALL ELEVATIONS ARE GEODETIC, UNLESS NOTED OTHERWISE.
 3. ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND FOUNDATIONS.
 4. GEOTECHNICAL ENGINEER TO CONFIRM ASPHALT STRUCTURES.
 5. THE OWNER/DEVELOPER MUST CONFORM TO TOWN OF ONOWAY CONSTRUCTION STANDARDS OR THE TOWN OF STONY PLAIN SPECIFICATIONS AS PER THE PLANS.
 6. THE OWNER/DEVELOPER MUST CONFORM TO TOWN OF ONOWAY DESIGN STANDARDS OR THE TOWN OF STONY PLAIN SPECIFICATIONS AS PER THE PLANS.
 7. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL SITE FEATURES, INCLUDING EXISTING UTILITIES, LANDSCAPING FEATURES, SURVEY MONUMENTS AND STAKES. CONTRACTOR IS RESPONSIBLE FOR ANY RESTORATIONS AND REPAIRS.
 8. ALL DESIGN ELEVATION AND FACILITY LOCATIONS TO BE FIELD VERIFIED BY CONTRACTOR.
 9. TIE-INS TO EXISTING ROADWAYS MUST BE COMPLETED TO THE SATISFACTION OF THE TOWN OF ONOWAY.
 10. CONTRACTOR IS RESPONSIBLE TO CALL ALBERTA ONE CALL.
 11. U/G WATERLINE TO BE A MINIMUM OF 2.8M BELOW FINAL GRADE.
 12. ALL U/G SANITARY STUBS TO 1% PROPERTY LINE.
 13. ALL SIDEWALKS TO BE SLOPED TOWARDS CURB TO PROVIDE POSITIVE DRAINAGE AWAY FROM LOTS.
 14. CONTRACTOR TO ENSURE SMOOTH TRANSITION FROM EXISTING 47B AVENUE TO NEW.
 15. INSULATE ALL PIPE AS PER TOWN OF STONY PLAIN DETAIL 7-900.
- HEAVY DUTY ASPHALT STRUCTURE
 100MM ACO OR HT SUPERPAVE ASPHALT
 150MM OF 20MM CRUSHED GRAVEL*
 250MM OF 63MM FIT RUN GRAVEL*
 150MM PREPARED SUBGRADE
 *ALTERNATIVELY, 400MM OF 20MM CRUSHED GRAVEL MAY BE USED



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ONOWAY, ALBERTA

PROPOSED DEVELOPMENT 45 STREET
 PLAN AND PROFILE

BLOCK A, PLAN 4114TR

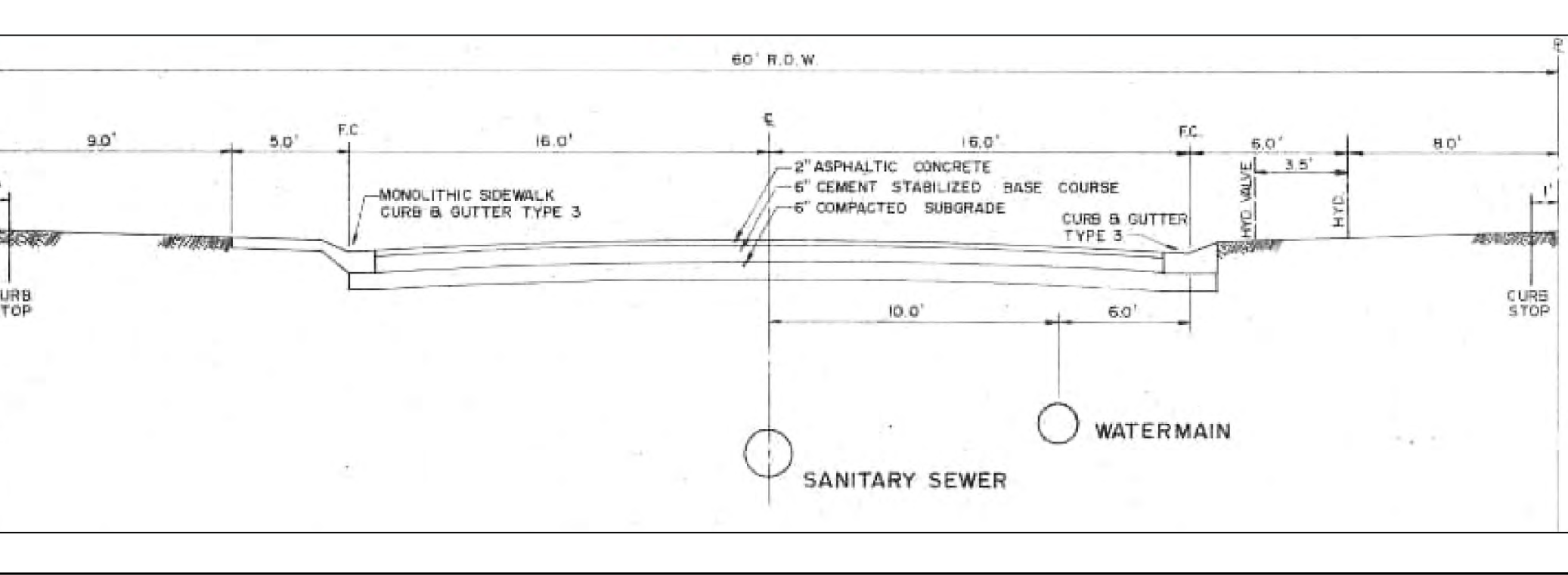
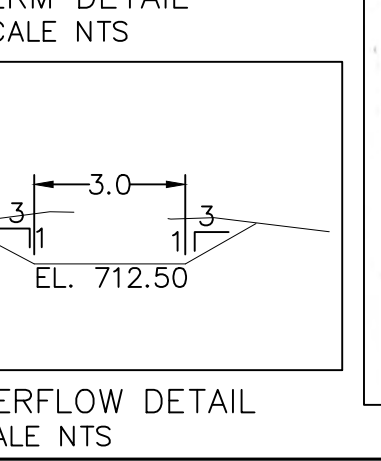
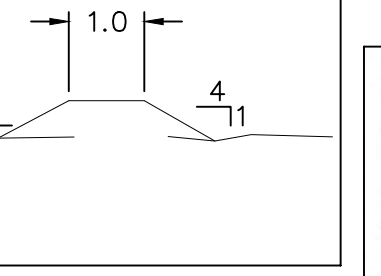
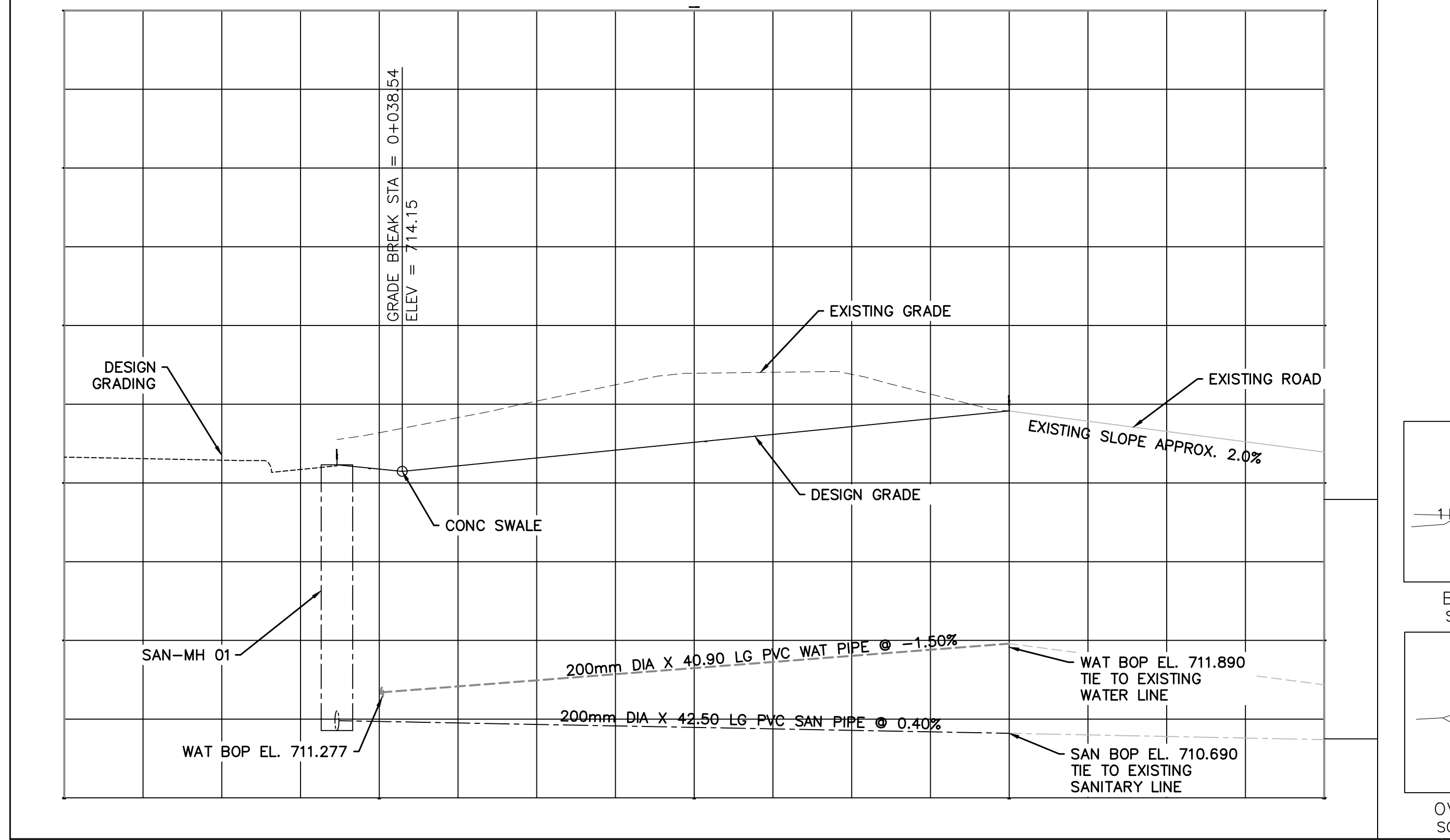
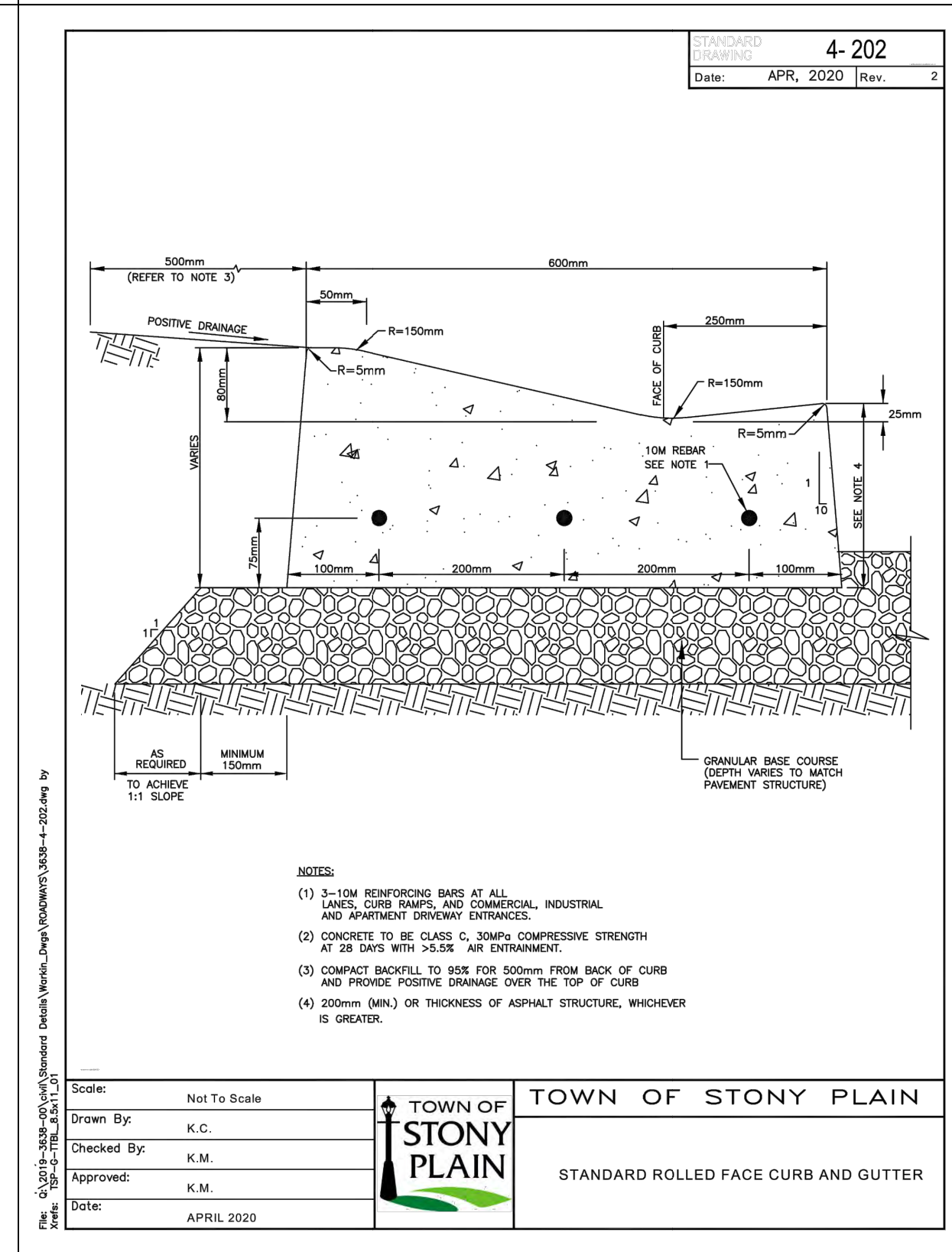
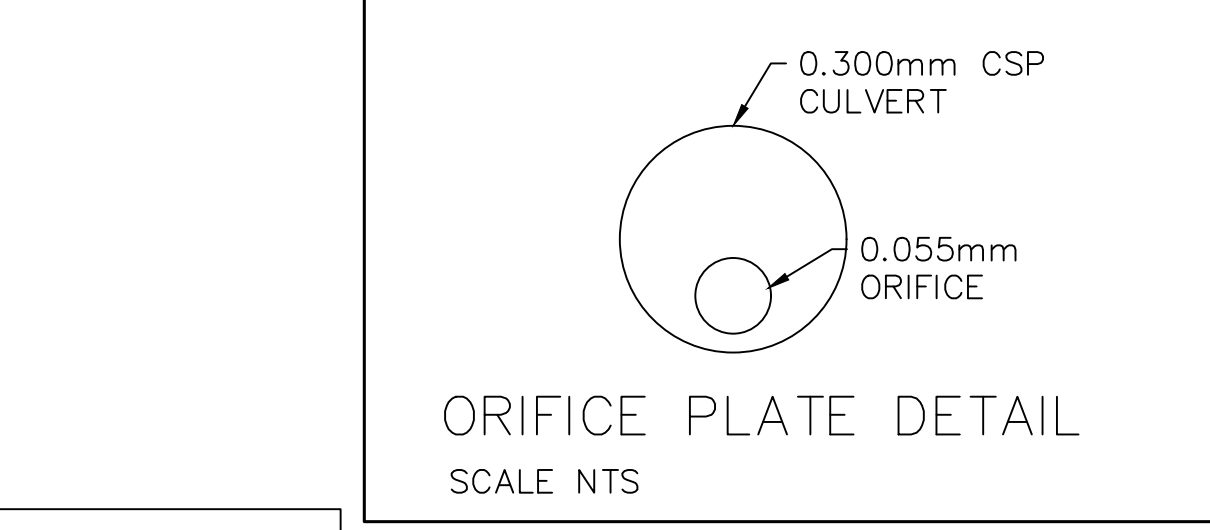
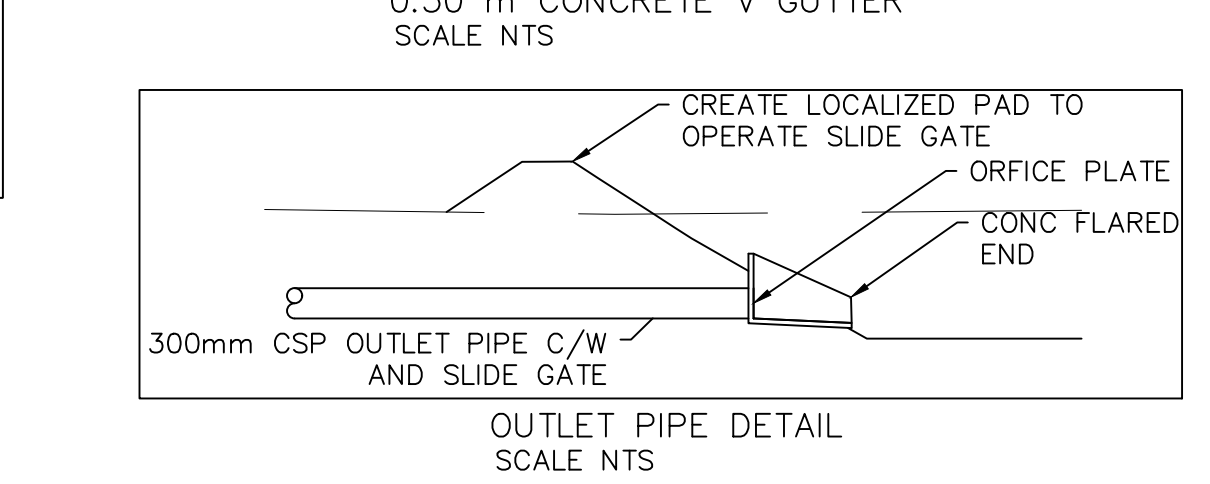
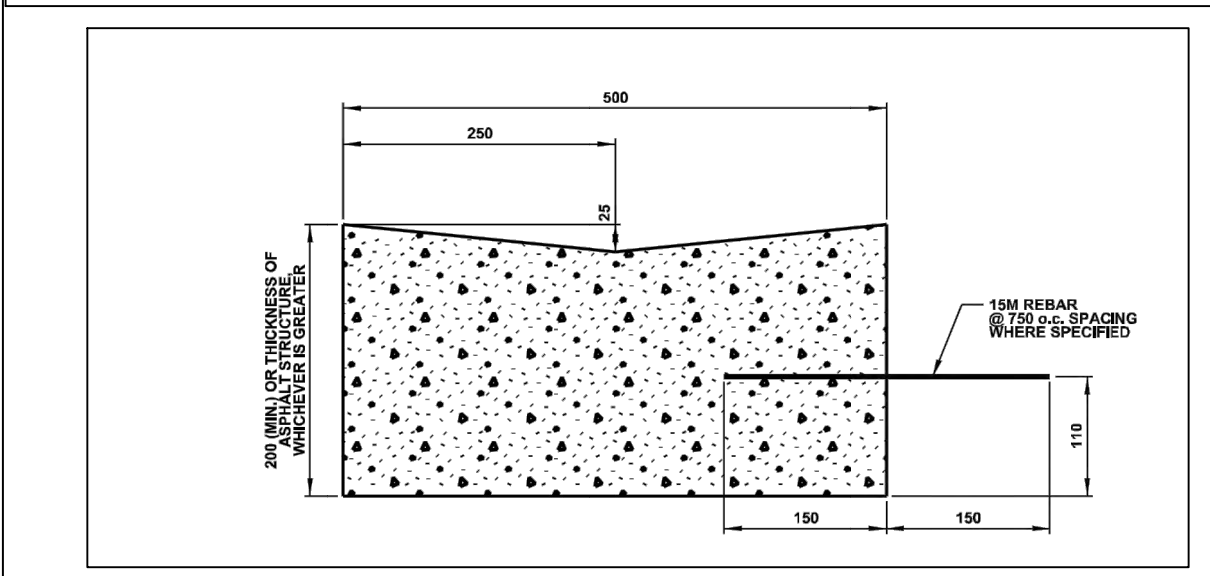
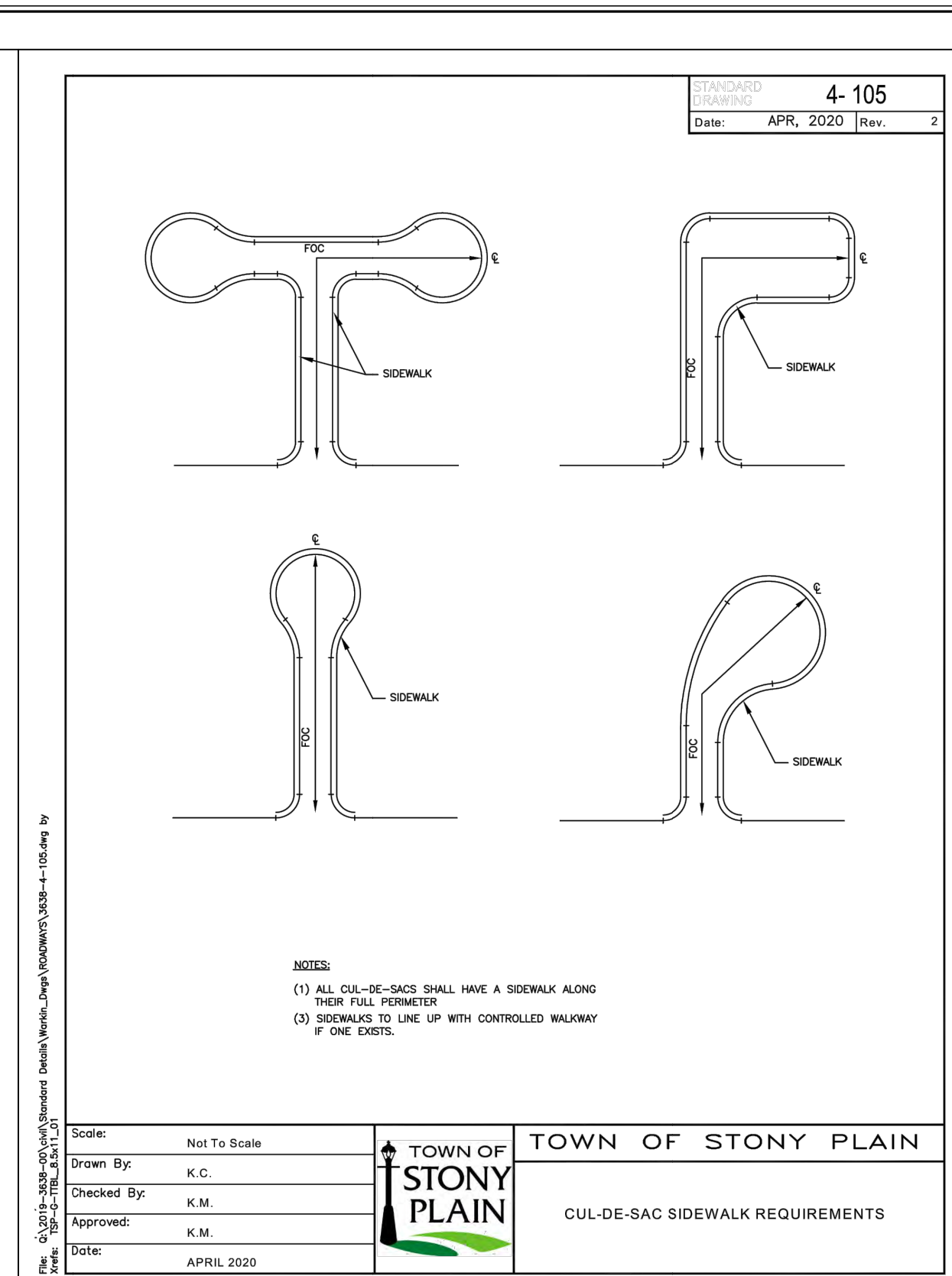
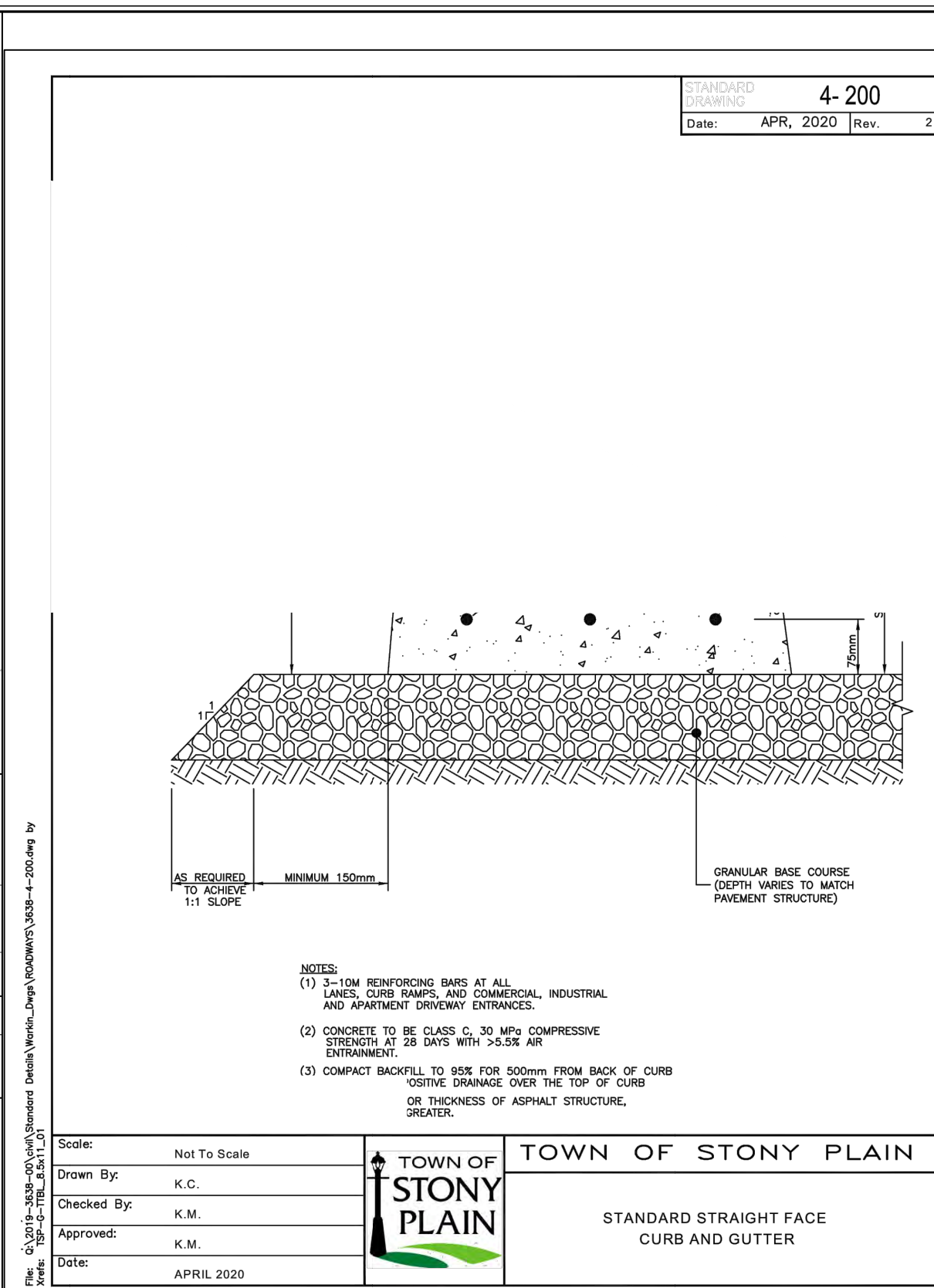
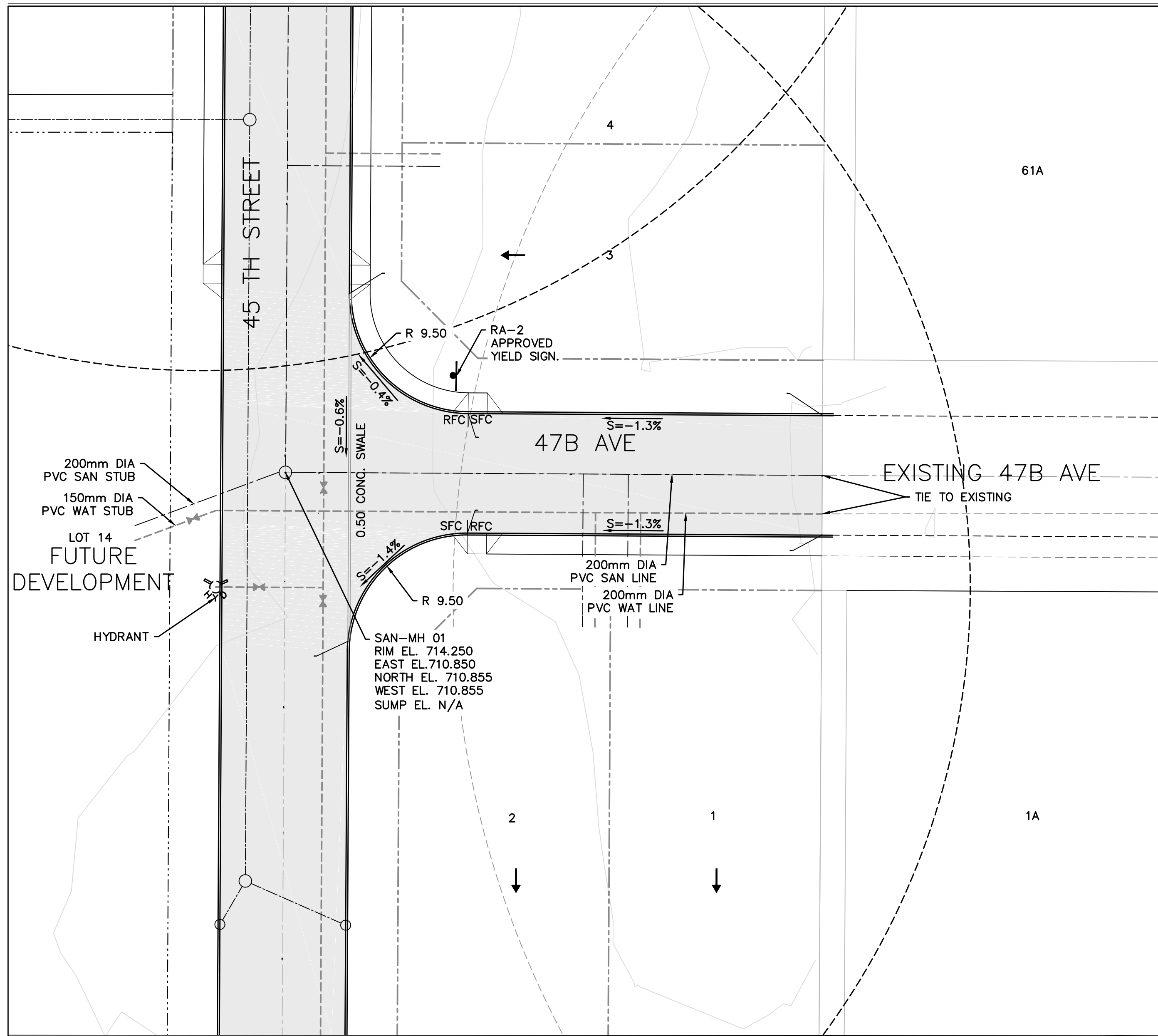
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- NOTES
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 2. ALL ELEVATIONS ARE GEODETIC, UNLESS NOTED OTHERWISE.
 3. ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AND FOUNDATIONS.
 4. GEOTECHNICAL ENGINEER TO CONFIRM ASPHALT STRUCTURES.
 5. THE OWNER/DEVELOPER MUST CONFORM TO TOWN OF ONOWAY DESIGN STANDARDS OR THE TOWN OF STONY PLAIN SPECIFICATIONS AS PER THE PLANS.
 6. THE OWNER/DEVELOPER MUST CONFORM TO TOWN OF ONOWAY CONSTRUCTION STANDARDS OR THE TOWN OF STONY PLAIN SPECIFICATIONS AS PER THE PLANS.
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250MM OF 63MM PIT RUN GRAVEL*
150MM PREPARED SUBGRADE
*ALTERNATIVELY, 400MM OF 20MM CRUSHED GRAVEL MAY BE USED

LEGEND

	200 DIA PVC SAN LINE
	150 DIA PVC WAT LINE
	PROPERTY LINE
	STRAIGHT FACE CURB AND GUTTER
	DRAINAGE ARROW
	WATER VALVE
	FIRE HYDRANT
	ROLLED FACE CURB, GUTTER AND MONO WALK

ENGINEER'S STAMP

PROFESSIONAL ENGINEER ALBERTA
T. SHINNESS
DEC 15 2022
REG #73158

PERMIT STAMP

PERMIT TO PRACTICE
Bolson Engineering and Environmental Services
Signature: *T. Shinness*
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ENGINEER:		DATE:		APPROVED:		DATE:	

ONOWAY, ALBERTA

PROPOSED DEVELOPMENT 47B AVENUE
PLAN AND PROFILE

BLOCK A, PLAN 4114TR

SCALE: 1:500

CLIENT: FACTION ARCHITECTURE INC

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ENGINEERING AND ENVIRONMENTAL SERVICES

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2. ALL ELEVATIONS ARE GEODETIC, UNLESS NOTED OTHERWISE.
3. GEOTECHNICAL ENGINEER TO CONFIRM ASPHALT STRUCTURES.
4. THE OWNER/ DEVELOPER TO MUST CONFORM TO TOWN OF ONOWAY EROSION AND SEDIMENTATION CONTROL GUIDELINES
5. THE OWNER/DEVELOPER MUST CONFORM TO TOWN OF ONOWAY DESIGN AND CONSTRUCTION STANDARDS OR THE TOWN OF STONY PLAIN SPECIFICATIONS AS PER THE PLANS
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PROPOSED DEVELOPMENT
SECTIONS AND DETAILS

BLOCK A, PLAN 4114TR

SCALE:	CLIENT:
1:500	FACTION ARCHITECTURE INC

BOLSON ENGINEERING
ENVIRONMENTAL SERVICES

9703-199 St. EDMONTON, AB T5T-6E8
www.bolson.ca
PH:780-668-8571 FAX:780-413-8879

JOB NUMBER:	DWG NUMBER:	REV:
22-D-006	DD-22D006-08	B

STANDARD DRAWING 4-500
Date: APR, 2020 Rev: 2

PLAN
ELEVATION

NOTES:

- (1) MAXIMUM ALLOWABLE: RESIDENTIAL = 6.0 m COMMERCIAL = 12.5 m INDUSTRIAL AND APARTMENT BUILDING DRIVEWAY ENTRANCES = 15.0 m
- (2) 152 x 152 M4X4.6M4X7.5 WIRE MESH TO BE PLACED IN SIDEWALK PRIOR TO PLACING CONCRETE ACROSS ALL LANES, CURB RAMPS, AND COMMERCIAL, INDUSTRIAL AND APARTMENT BUILDING DRIVEWAY ENTRANCES.
- (3) CONCRETE TO BE CLASS C, 30 MPa COMPRESSIVE STRENGTH AT 28 DAYS WITH 1% AIR ENTRAINMENT.
- (4) SIDEWALK THICKNESS = 120 mm AT SIDEWALK CROSSINGS, SIDEWALK THICKNESS = 175 mm AT ALL OTHER CROSSINGS.
- (5) CONCRETE TO BE CLASS C, 30MPa COMPRESSIVE STRENGTH AT 28 DAYS WITH 1% AIR ENTRAINMENT.
- (6) 1750mm STRAIGHT FACE CURB AND GUTTER 600mm ROLLED FACE CURB AND GUTTER
- (3) CURB AND GUTTER SECTION REQUIRES 3-10mm REBAR, REFER TO STANDARD DRAWING 4-300.

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
STANDARD DRIVEWAY ENTRANCE (MONO, CURB, GUTTER, SIDEWALK)

STANDARD DRAWING 4-403
Date: APR, 2020 Rev: 2

PLAN VIEW
ELEVATION
SECTION A-A

NOTES:

- (1) MAXIMUM SLOPE ON PARA RAMP TO BE 6%.
- (2) CURB AND GUTTER TO BE CENTRED MONOLITHICALLY WITH CURB RAMP.
- (3) CENTRE CURB RAMP WITH CENTRE OF FEEDTRAIL CROSSWALK.

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
CURB RAMP TYPE 'C' (MIDBLOCK; MONOWALK)

STANDARD DRAWING 4-302
Date: APR, 2020 Rev: 2

PLAN
EXPANSION JOINT DETAIL

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
SIDEWALK JOINT AND FINISHING DETAILS

STANDARD DRAWING 4-300
Date: APR, 2020 Rev: 2

PLAN

NOTES:

- (1) 15mm MAXIMUM BATTER AT BACK OF WALK FOR EXTENDED SECTIONS.
- (2) 152 x 152 M4X4.6M4X7.5 WIRE MESH TO BE PLACED IN SIDEWALK PRIOR TO PLACING CONCRETE ACROSS ALL LANES, CURB RAMPS, AND COMMERCIAL, INDUSTRIAL AND APARTMENT BUILDING DRIVEWAY ENTRANCES.
- (3) CONCRETE TO BE CLASS C, 30 MPa COMPRESSIVE STRENGTH AT 28 DAYS WITH 1% AIR ENTRAINMENT.
- (4) 2-10M REINFORCEMENT BARS AT ALL LANES, CURB RAMPS, AND COMMERCIAL, INDUSTRIAL AND APARTMENT BUILDING DRIVEWAY ENTRANCES.
- (5) CONTACT BACKLIT TO BE 600mm FROM BACK OF WALK AND PROVIDE FOGGIE DRAINAGE OVER TOP OF WALK
- (6) 200mm (MIN) OR THICKNESS OF ASPHALT STRUCTURE, WHICHEVER IS GREATER.

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
MONOLITHIC CURB, GUTTER AND SIDEWALK

STANDARD DRAWING 5-600
Date: APR, 2020 Rev: 2

CLASS A
CLASS A1
CLASS B

PIPE SIZE	d MIN (mm)
675mm OR SMALLER	75
750mm TO 1500mm	100
1650mm AND LARGER	150

LEGEND:
d = DEPTH OF BEDDING MATERIAL BELOW PIPE
W = TRENCH WIDTH = 2xOD (MIN.)
O.D. = OUTSIDE DIAMETER OF PIPE

NOTE:
(1) IN AREAS WITH HIGH WATER TABLE, CLASS B PIPE ZONE MATERIAL SHALL BE WASHED ROCK AS PER SECTION 5.18.4 AND SHALL BE WRAPPED IN NON-WOVEN GEOTEXTILE (MILEX 4551 OR APPROVED EQUAL)

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
PIPE ZONE BEDDING DETAILS (CLASS A, A1, B)

STANDARD DRAWING 5-500
Date: APR, 2020 Rev: 2

SECTION A-A

NOTES:

- (1) ALL TRENCH WALLS SHALL BE SLOPED OR SHORED IN CONFORMANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY REGULATIONS CURRENTLY IN EFFECT, OR AS PER GEOTECHNICAL RECOMMENDATIONS, WHICHEVER IS MORE STRINGENT.
- (2) OD = OUTSIDE PIPE DIAMETER.
- (3) SERVICE CONNECTIONS TO BE MADE BETWEEN THE 10:00 AND 2:00 POSITION.
- (4) REBAR FOR SERVICE LINES ARE REQUIRED WHEN SEWER MAINS EXCEED 4.0m IN DEPTH.

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
SANITARY SERVICE CONNECTION

STANDARD DRAWING 5-300
Date: APR, 2020 Rev: 2

SECTION A-A
SECTION B-B
COVER STRUCTURE PLAN
COVER SURFACE PLAN
COVER MANHOLE FRAME AND COVERS

NOTES:

- (1) COVER LETTER HEIGHT = 25mm LETTER PITCH = 6mm
- (2) COVERS SHALL BE TRUE TO PATTERN AND FREE FROM BUCKLES OR DEFECTS. FINISH, SPRING AND BEARING SURFACE SHALL BE FINISHED TO PREVENT RIDDING.
- (3) USE FOR OFF ROAD AREAS

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
MANHOLE FRAMES AND COVERS

STANDARD DRAWING 5-100
Date: APR, 2020 Rev: 2

SECTION A-A
SECTION B-B

NOTES:

- (1) PRECAST RINGS, CONES AND BARRELS TO MEET CURRENT A.S.T.M. C478 STANDARDS.
- (2) SPECIAL BASE DESIGN REQUIRED FOR DEPTHS OVER 6.0m.
- (3) CHANNELLING AND BENCHING TO BE FINISHED TO TROWEL SMOOTHNESS.
- (4) CONICAL TOP TO BE USED WHERE DISTANCE FROM BENCH TO MH COVER EXCEEDS 2m.
- (5) VERTICAL SIDE OF CONICAL MH TO BE SITUATED SO AS NOT TO CONFLICT WITH PIPING.
- (6) MANHOLE FRAME AND COVER TO BE AS PER STANDARD DETAIL 5-300.
- (7) BENCHING CONCRETE SHALL BE A MAXIMUM OF 30MPa COMPRESSIVE STRENGTH, TYPE 50.

Scale: Not To Scale
Drawn By: K.C.
Checked By: K.M.
Approved: K.M.
Date: APRIL 2020

TOWN OF STONY PLAIN
TOWN OF STONY PLAIN
PRECAST MANHOLE FOR PIPES UP TO 600 mm DIA.

NOTES

1. ALL DIMENSIONS IN METERS AND DECIMALS THEREOF, UNLESS NOTED OTHERWISE.
2. ALL ELEVATIONS ARE GEODETIC, UNLESS NOTED OTHERWISE.
3. GEOTECHNICAL ENGINEER TO CONFIRM ASPHALT STRUCTURES.
4. THE OWNER/ DEVELOPER TO MUST CONFORM TO TOWN OF ONOWAY EROSION AND SEDIMENTATION CONTROL GUIDELINES
5. THE OWNER/DEVELOPER MUST CONFORM TO TOWN OF ONOWAY DESIGN AND CONSTRUCTION STANDARDS OR THE TOWN OF STONY PLAIN SPECIFICATIONS AS PER THE PLANS
6. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL SITE FEATURES, INCLUDING EXISTING UTILITIES, LANDSCAPING FEATURES, SURVEY MONUMENTS AND STAKES. CONTRACTOR IS RESPONSIBLE FOR ANY RESTORATIONS AND REPAIRS
7. ALL DESIGN ELEVATION AND FACILITY LOCATIONS TO BE FIELD VERIFIED BY CONTRACTOR
8. THE -INS TO EXISTING ROADWAYS MUST BE COMPLETED TO THE SATISFACTION OF THE TOWN OF ONOWAY
9. CONTRACTOR IS RESPONSIBLE TO CALL ALBERTA ONE CALL.
10. U/G WATERLINE TO BE A MINIMUM OF 2.8M BELOW FINAL GRADE.
11. ALL U/G SANITARY STUBS TO 1% PROPERTY LINE.

LEGEND

NO.	DATE	DESCRIPTION	BY	CHE	ENG	APP
C	15-DEC-22	ISSUED FOR PERMIT		TS	TT	TT
B	18-NOV-22	ISSUED FOR PERMIT		TS	TT	TT
A	08-AUG-22	ISSUED FOR REVIEW		TS	TT	TT

ENGINEER'S STAMP

PERMIT STAMP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

ONOWAY, ALBERTA

PROPOSED DEVELOPMENT
SECTIONS AND DETAILS

BLOCK A, PLAN 4114TR

SCALE: 1:500

CLIENT: FACTION ARCHITECTURE INC

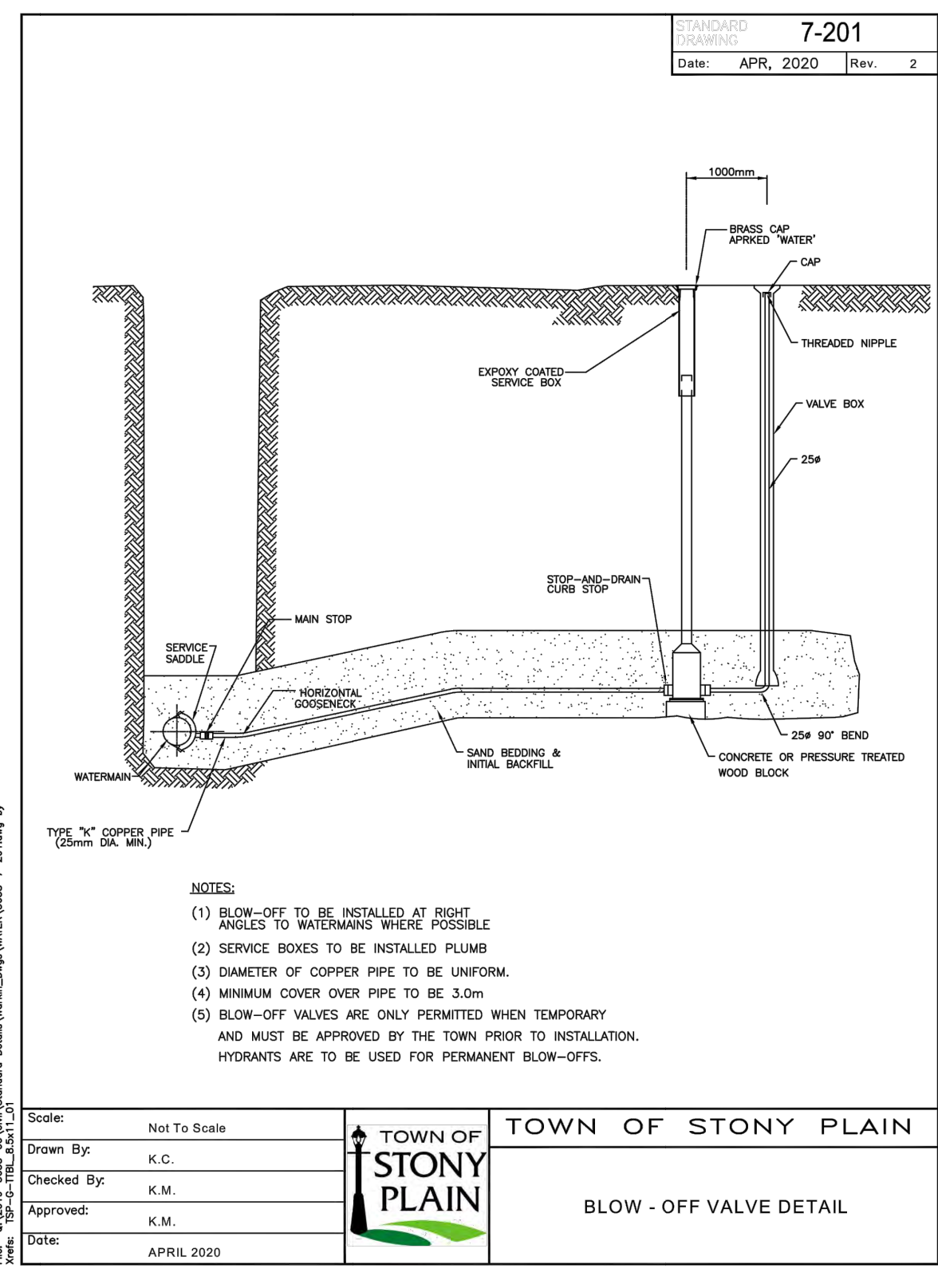
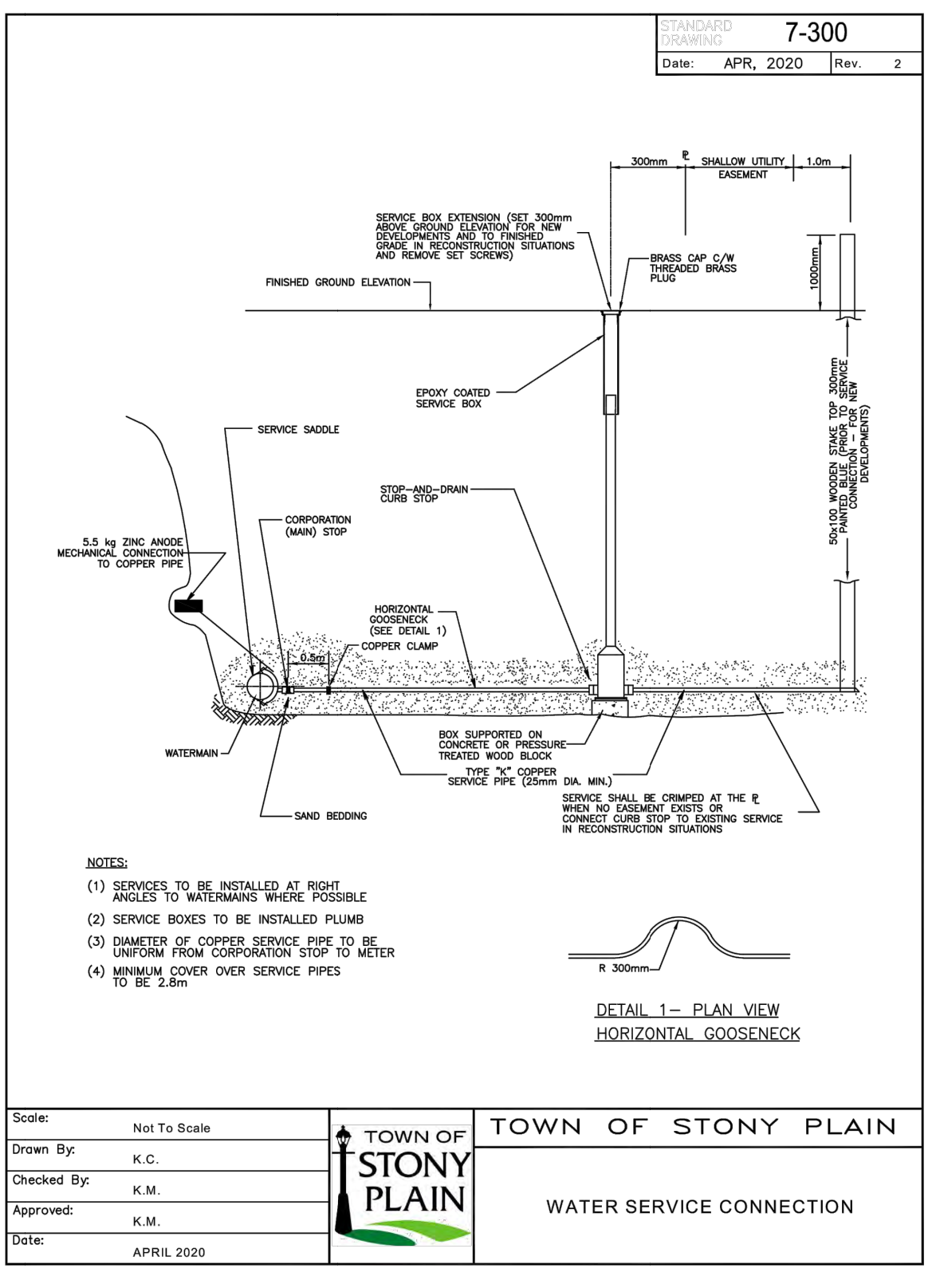
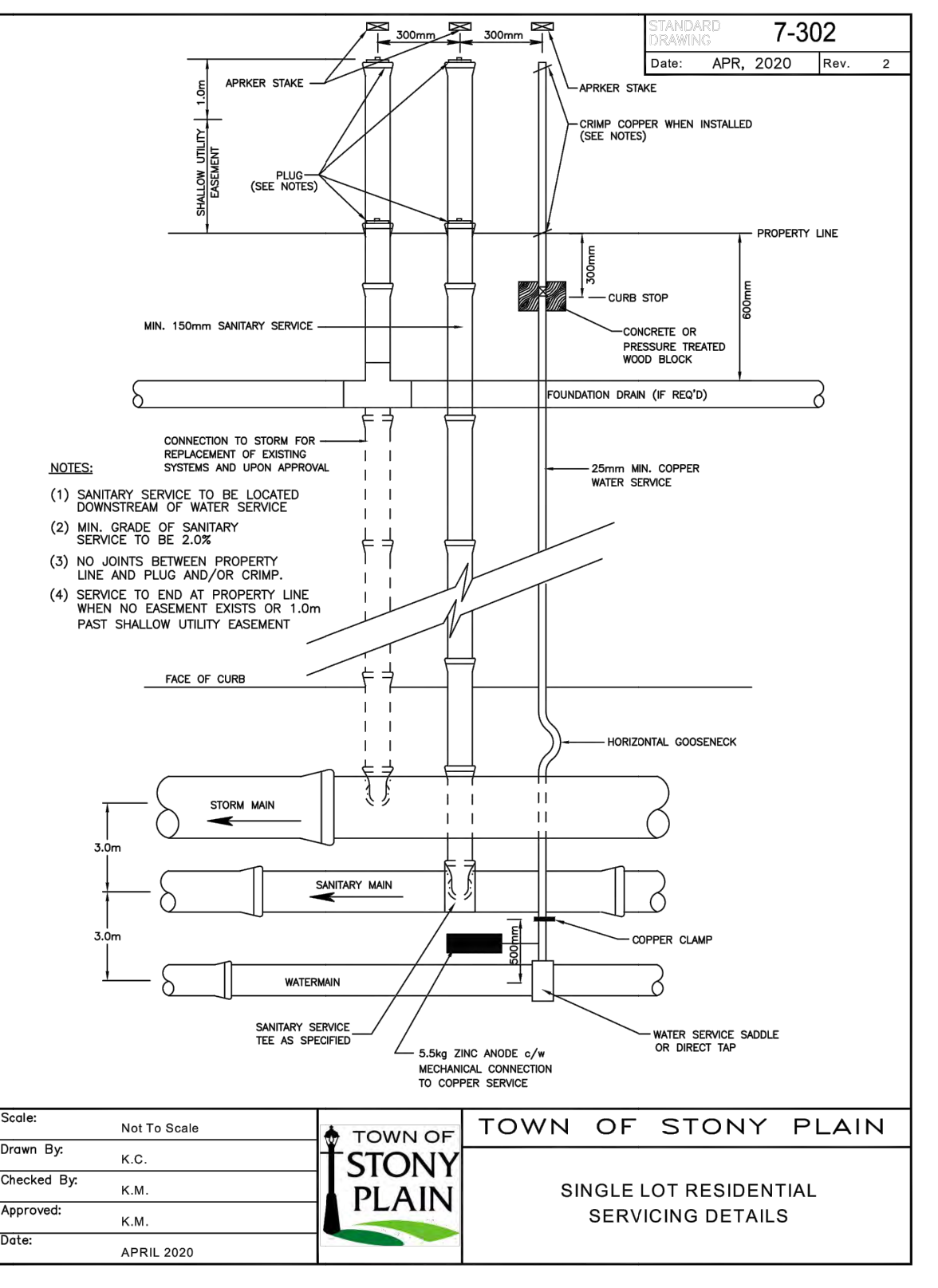
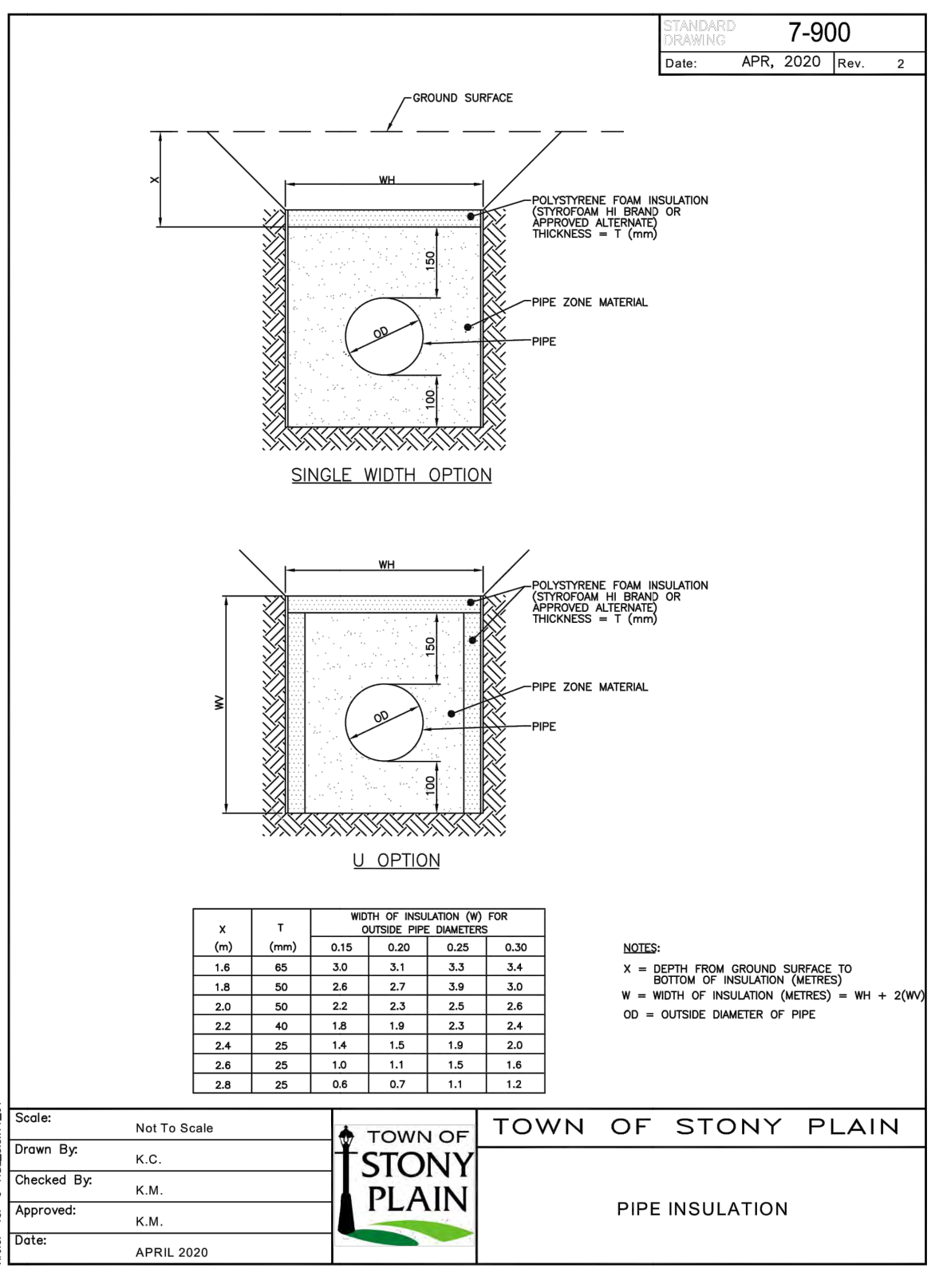
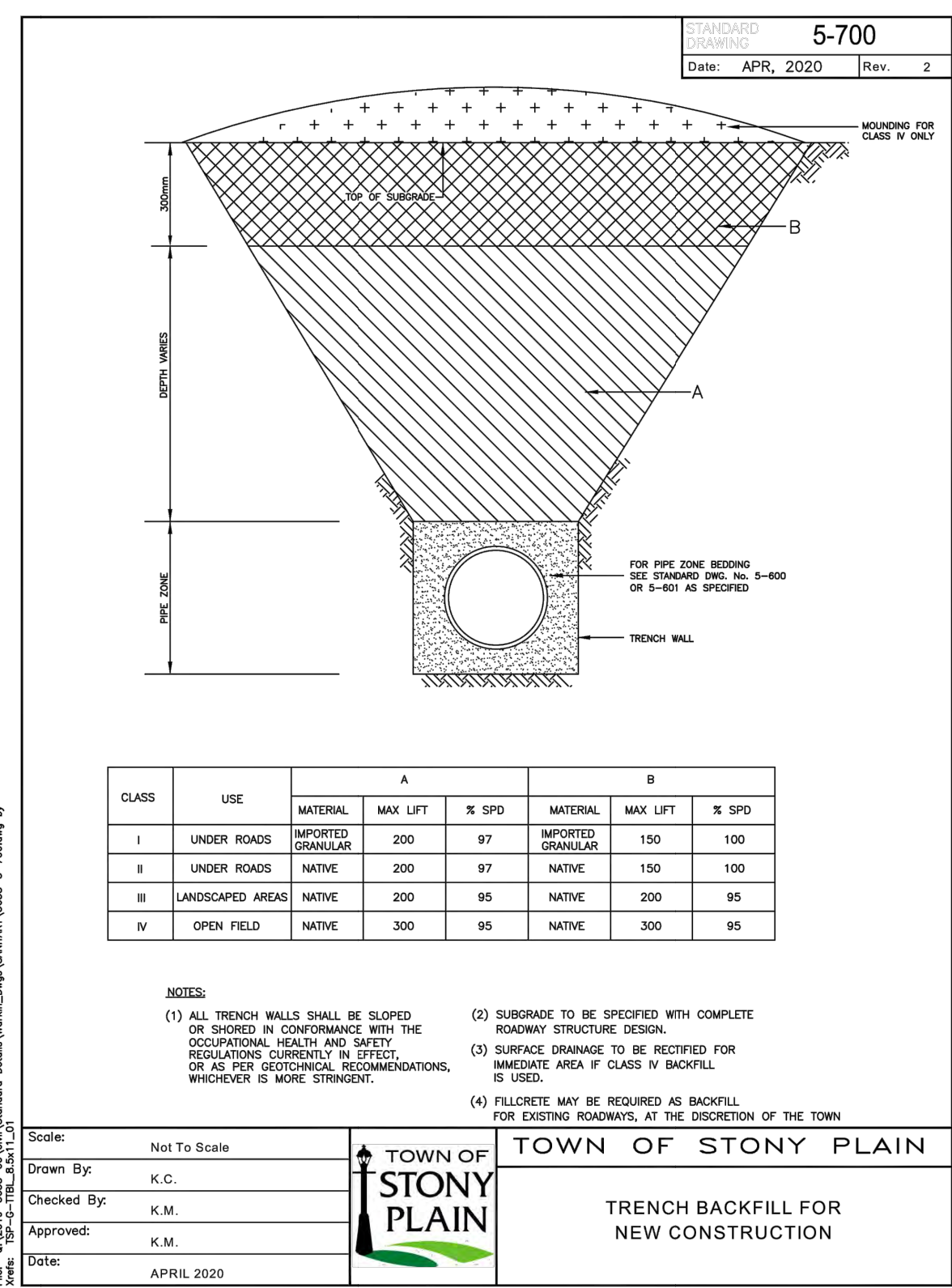
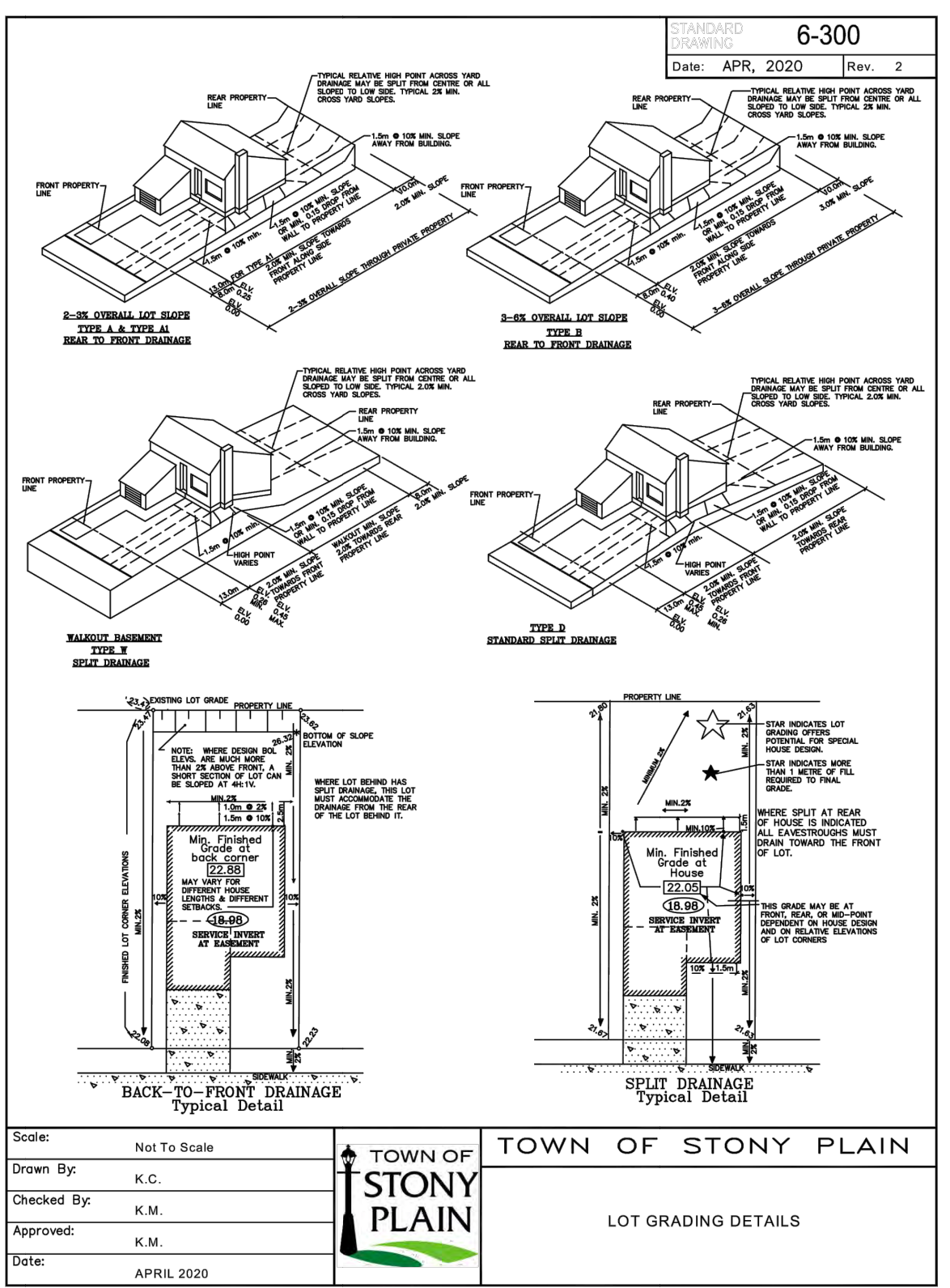
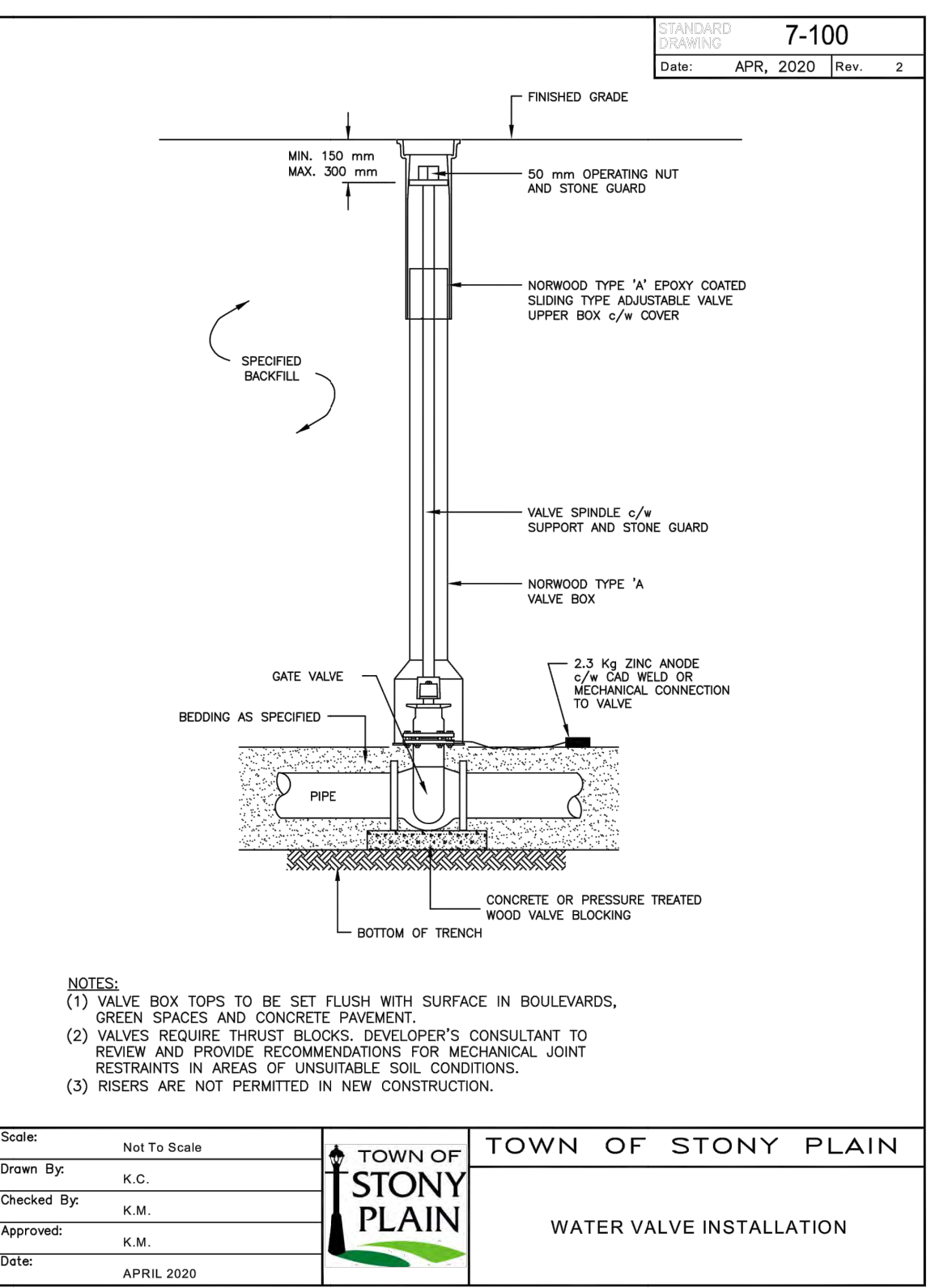
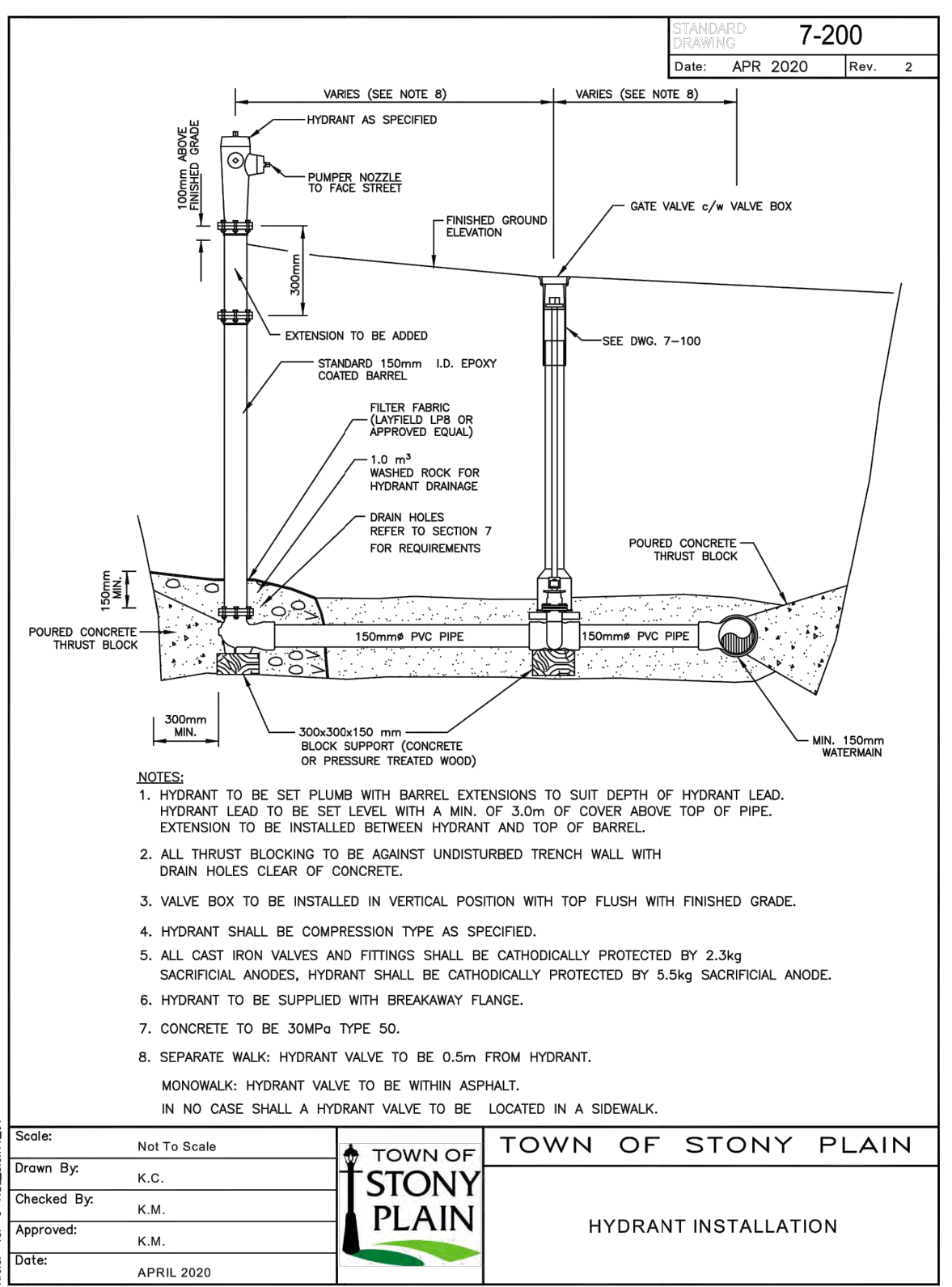
BOLSON ENGINEERING AND ENVIRONMENTAL SERVICES

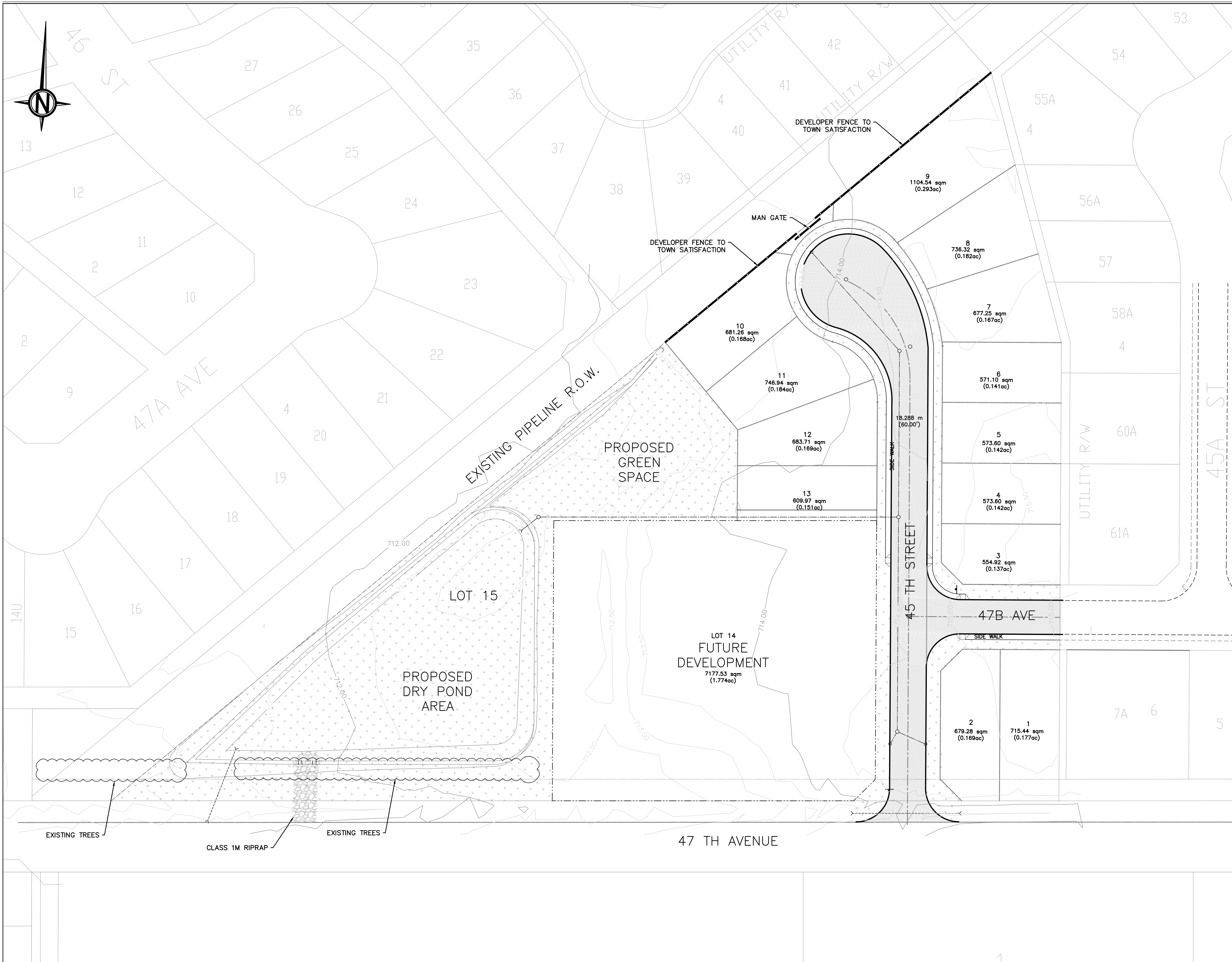
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FAX: 780-413-8879

JOB NUMBER: 22-D-006

DWG NUMBER: DD-22D006-09

REV: C





NOTES

LEGEND

- 0.150 TOPSOIL AND SEED
- ASPHALT AREA

ENGINEER'S STAMP

PERMIT STAMP

PERMIT TO PRACTICE
 Bolton Engineering and Environmental Services
 Signature: *[Signature]*
 Date: DEC 15, 2022
 PERMIT NUMBER: P11382
 The Association of Professional Engineers, Geologists and Geophysicists of Alberta

NO.	DATE	DESCRIPTION	BY	CHE	ENG	APP
C	15-DEC-22	ISSUED FOR PERMIT		TS	TT	TT
B	18-NOV-22	ISSUED FOR PERMIT		TS	TT	TT
A	02-SEP-22	ISSUED FOR PERMIT		TS	TT	TT

DRAWN BY: T. SHINNESS
 DATE: 06-JUL-21
 CHECKED BY:
 DATE:
 ENGINEER:
 DATE:
 APPROVED:
 DATE:

ONOWAY, ALBERTA

PROPOSED DEVELOPMENT
 LANDSCAPING PLAN
 BLOCK A, PLAN 4114TR

SCALE: 1:500
 CLIENT: FACTION ARCHITECTURE INC

BOLSON
 ENGINEERING AND ENVIRONMENTAL SERVICES

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JOB NUMBER: 22-D-006
 DWG NUMBER: DD-22D006-10
 REV: C