

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF INDIAN AFFAIRS

GREAT PLAINS REGIONAL OFFICE

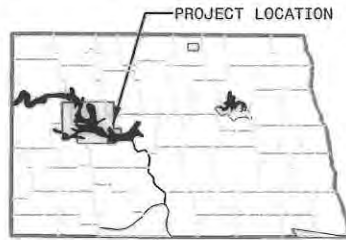


WHITESHEILD HOUSING STREETS

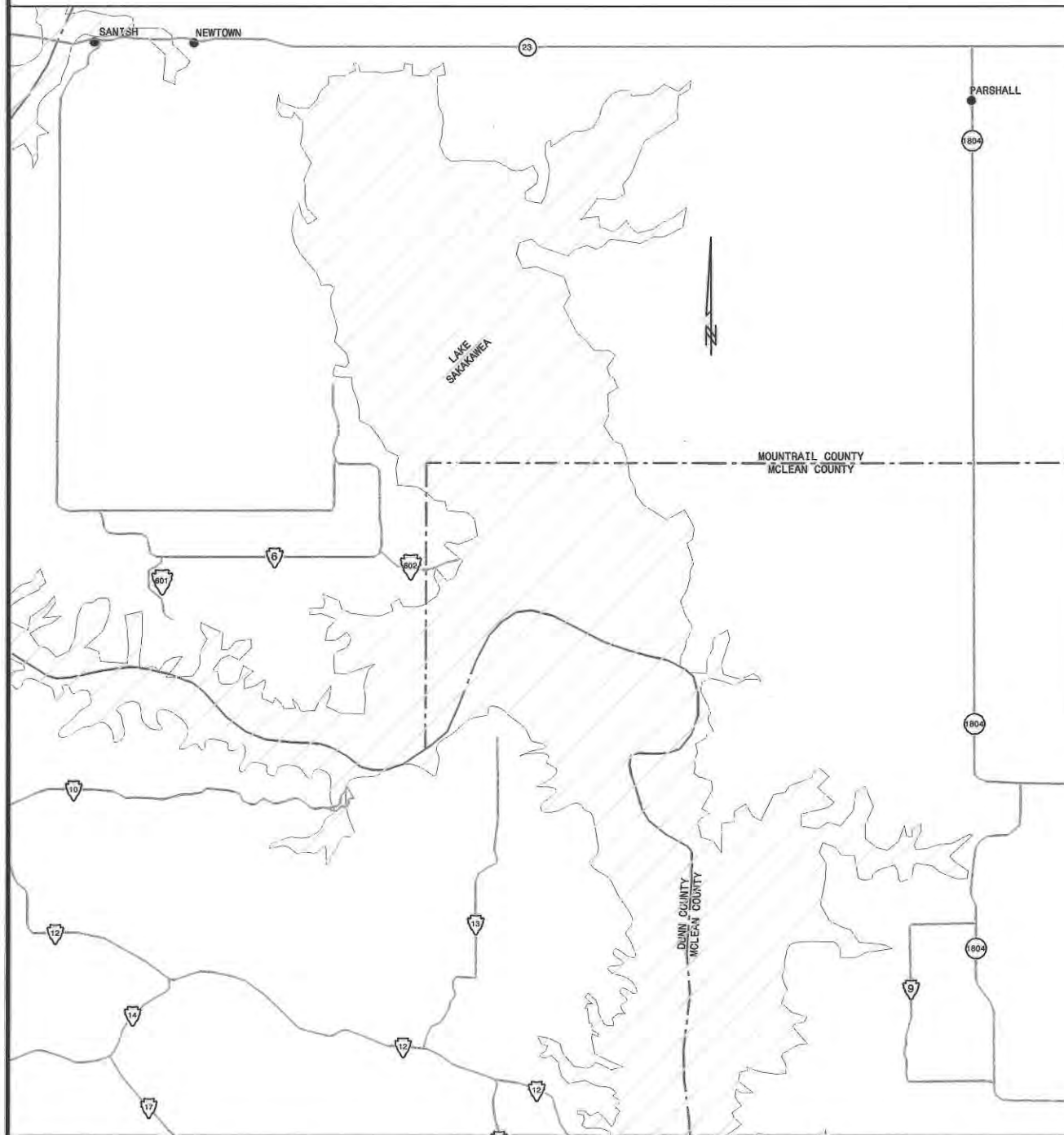
GRADE, DRAIN, MILL SURFACING, CURB & GUTTER, AGGREGATE BASE,
ASPHALT SURFACING, AND OTHER INCIDENTAL ITEMS

PROJECT # 3100-10,20,30,40(3), 3101-10(2)

PROJECT # 3102-10,20,30(2)



NORTH DAKOTA



PROJECT LENGTH - RT 3100-10,20,30,40

KNOTTS LANDING	282.00 FEET
2ND AVENUE EAST	347.00 FEET
EAST NORTH STREET	835.50 FEET
3RD AVENUE EAST	697.00 FEET
EAST 3RD AVENUE DRIVE	816.00 FEET
INAANII DRIVE	576.00 FEET
TOTAL LENGTH	3553.50 FEET

PROJECT LENGTH - RT 3101-10

3RD AVENUE WEST	900.00 FEET
TOTAL LENGTH	900.00 FEET

PROJECT LENGTH - RT 3102-10,20,30

FRONTAGE ROAD	850.00 FEET
NORTH 1ST SESAME STREET	810.00 FEET
NORTH 2ND SESAME STREET	810.00 FEET
EAST SESAME STREET	674.00 FEET
1ST SESAME STREET	670.00 FEET
TRIBAL HOUSING AVENUE	671.00 FEET
TOTAL LENGTH	4485.00 FEET

TOTAL PROJECT LENGTH - 8942.50 FEET

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LEGEND

- TBM ⊕ TEMPORARY BENCHMARK
- △ CONTROL POINT
- ++++ RAILROAD
- ⊕ VALVE
- ⊕ SHUT OFF VALVE
- HYD ⊕ HYDRANT
- V — WATER MAIN
- W — WATER SERVICE LINE
- S — SEWER MAIN
- SEWER SERVICE LINE
- ROW — RIGHT-OF-WAY LINE
- ⊙ MANHOLE
- ⊕ PROPANE TANK
- ⊕ MAILBOX
- ⊕ CABLE TELEVISION BOX
- ⊕ SIGN
- ⊕ ELECTRICAL BOX
- P — POWER LINE
- T — TELEPHONE LINE
- P.P. POWER & TELEPHONE POLE
- GW GUY WIRE
- ⊕ LIGHT POLE
- ⊕ TELEPHONE PEDESTAL
- W — WOVEN WIRE FENCE
- X — BARBED WIRE FENCE
- ▭ CONSTRUCTION EASEMENTS
- ▨ RIGHT-OF-WAY TO BE ACQUIRED
- ▨ EXCELSIOR LOGS
- CUT LIMITS
- FILL LIMITS
- U.S. STATE COUNTY RD. B.I.A.
- UNIMPROVED ROAD GRADED ROAD GRAVELED ROAD PAVED ROAD

PROJECT LOCATION
BIA 3100, 3101, & 3102
SECTIONS 1, 2, & 12,
T148N, R88W, 5TH PM

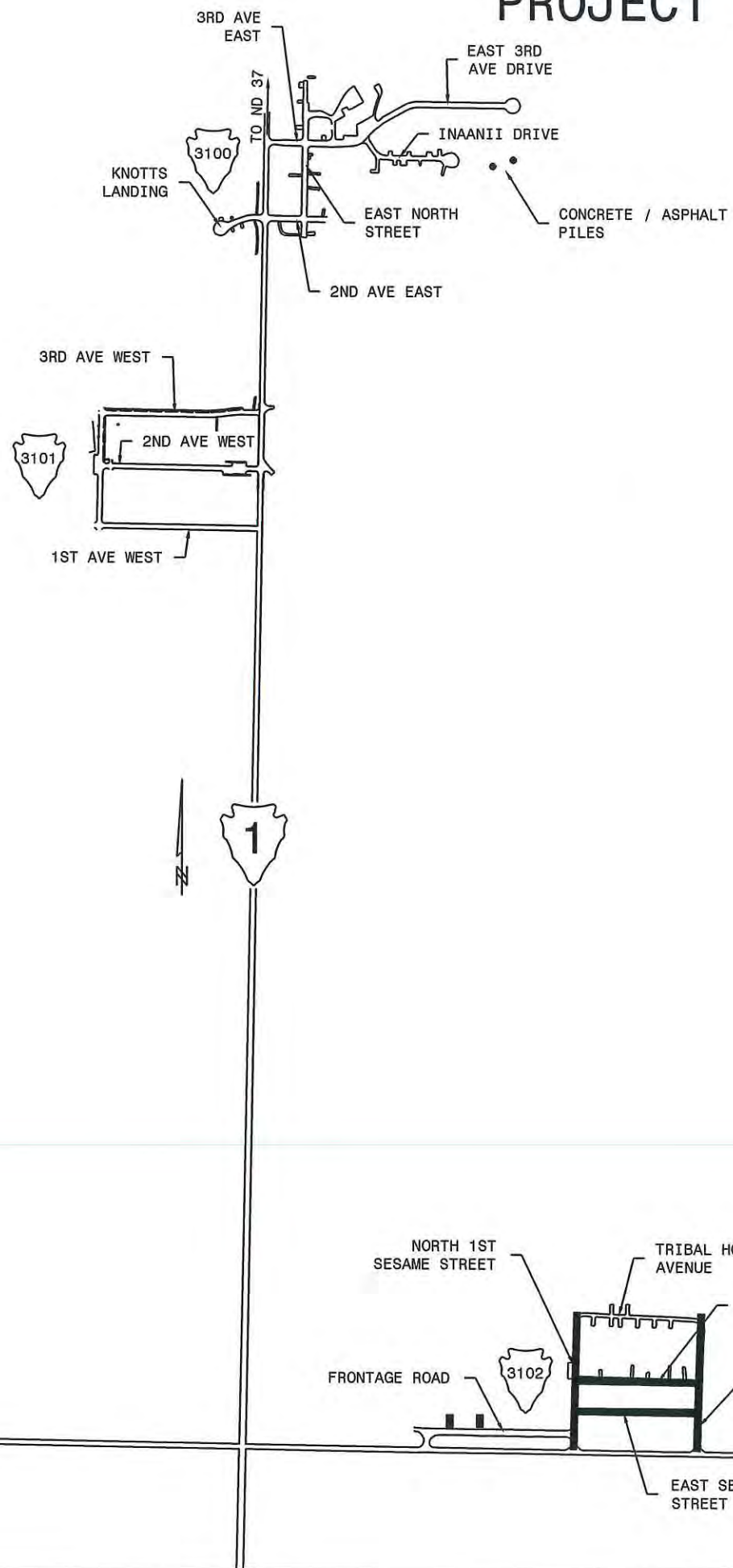
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

APPROVED: *Amy Jace* 9/12/2011
REGIONAL ROADS ENGINEER DATE

CONCUR: *Yvonne Leber* 09-12-11
DEPUTY REGIONAL DIRECTOR - INDIAN SERVICES DATE

DATE REVISED: 09/08/2011 1 OF 69
PCAS #: A0434500 DESCRIPTION: TITLE SHEET
PROJECT NAME: WHITESHEILD HOUSING STREETS

PROJECT LOCATION



PROJECT LENGTH - RT 3100-10,20,20,40

KNOTTS LANDING	282.00 FEET
2ND AVENUE EAST	347.00 FEET
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TO PARSHALL

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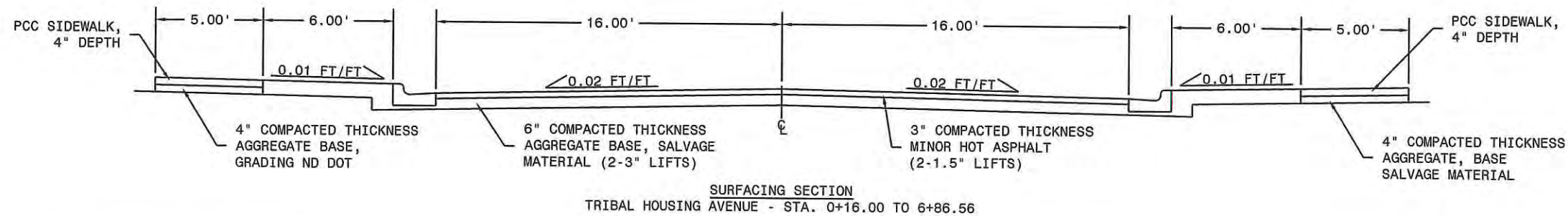
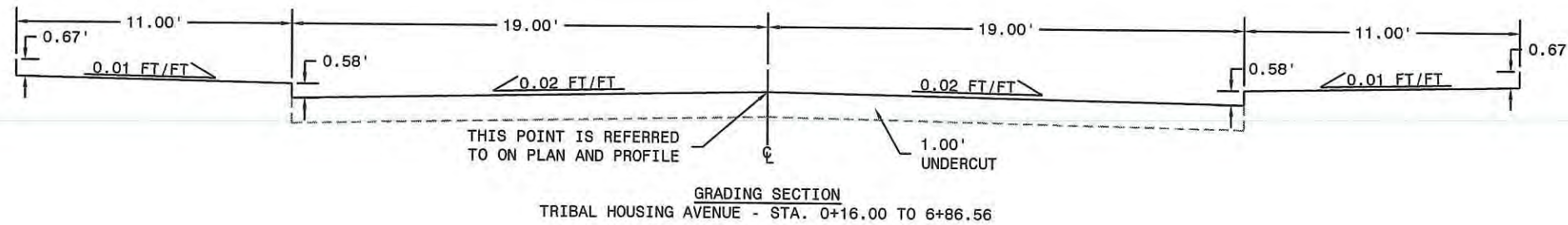
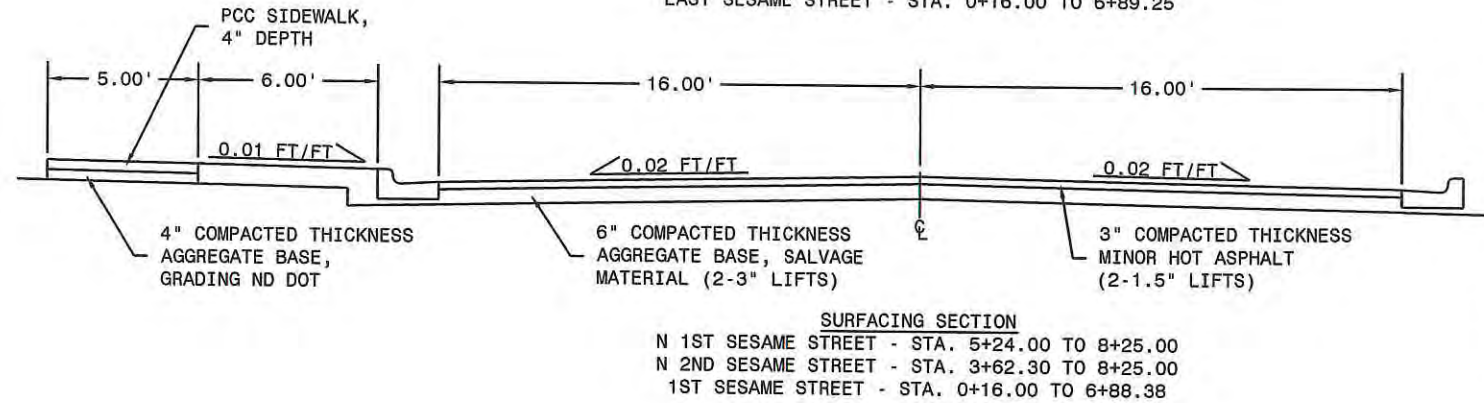
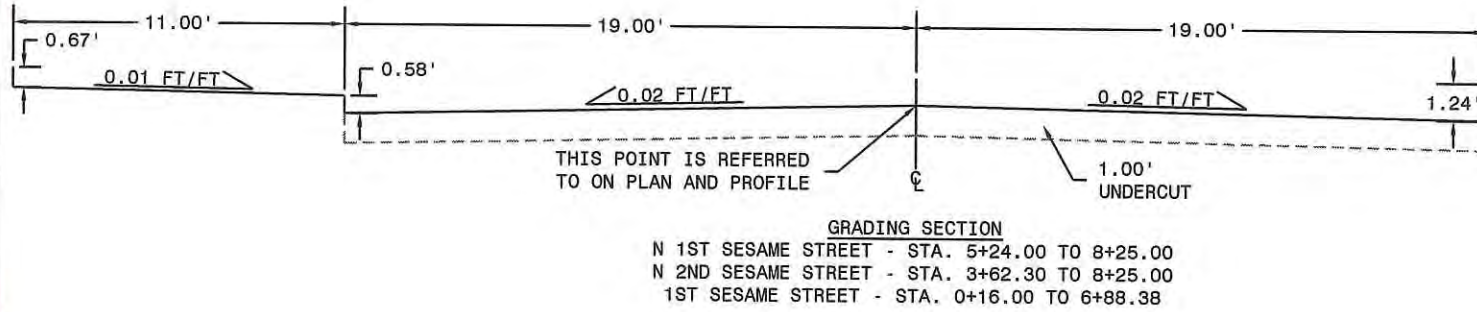
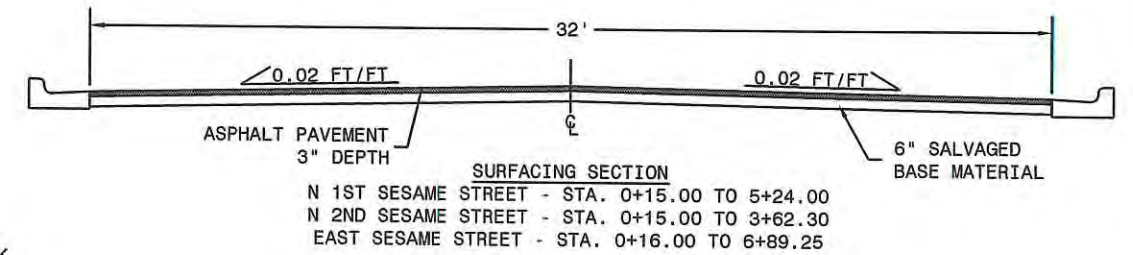
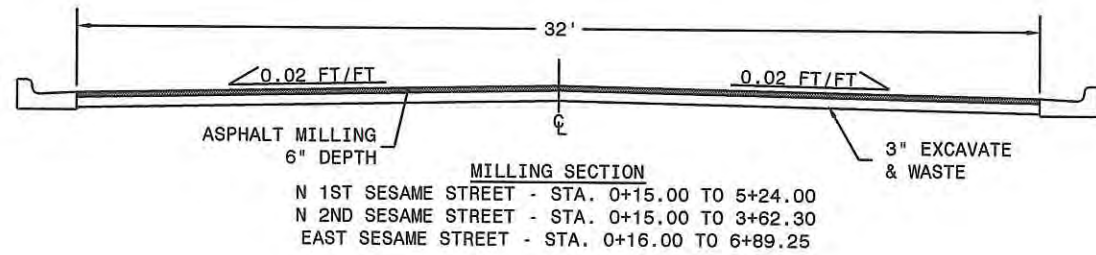
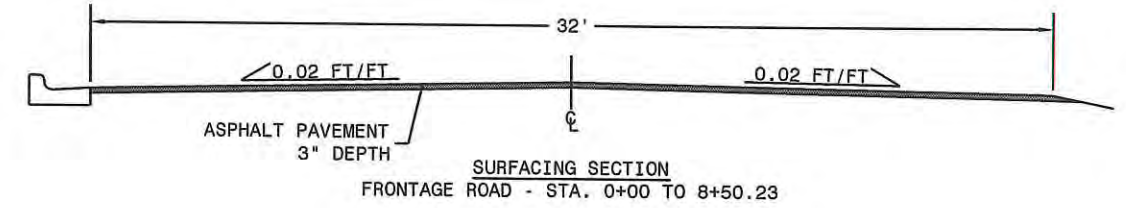
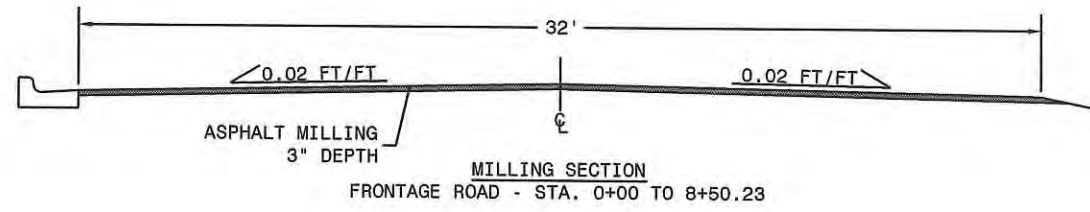
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ESTIMATED QUANTITY

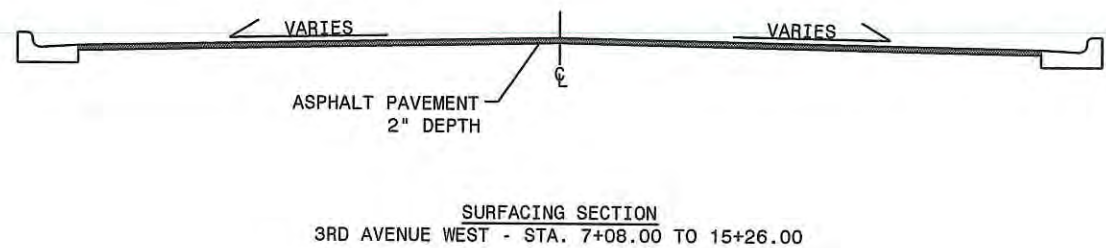
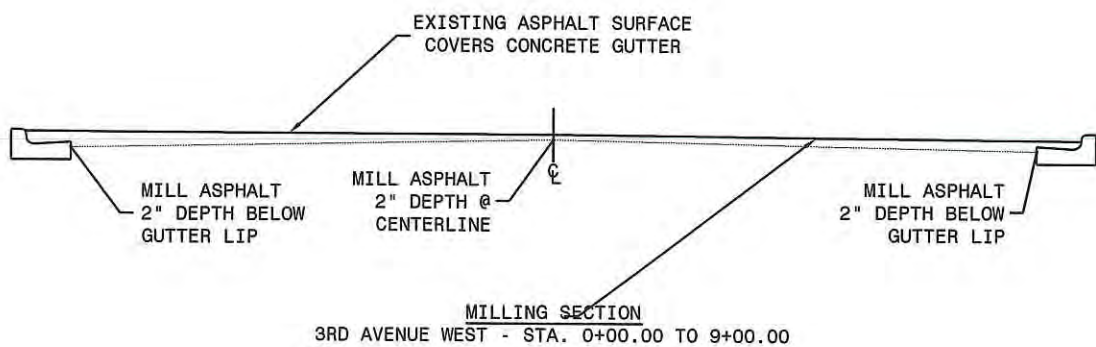
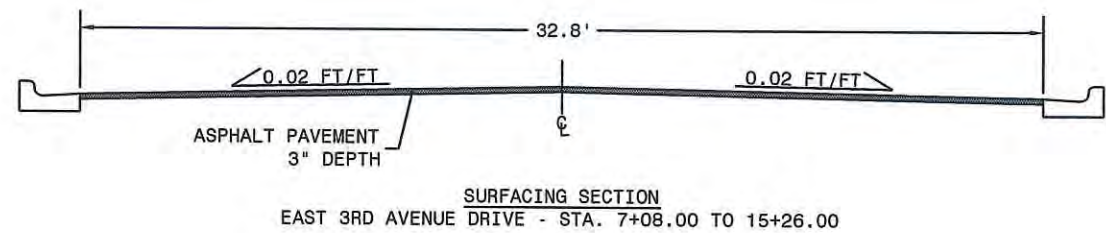
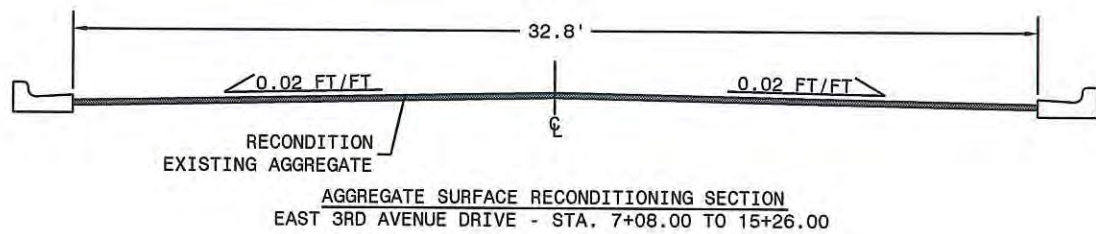
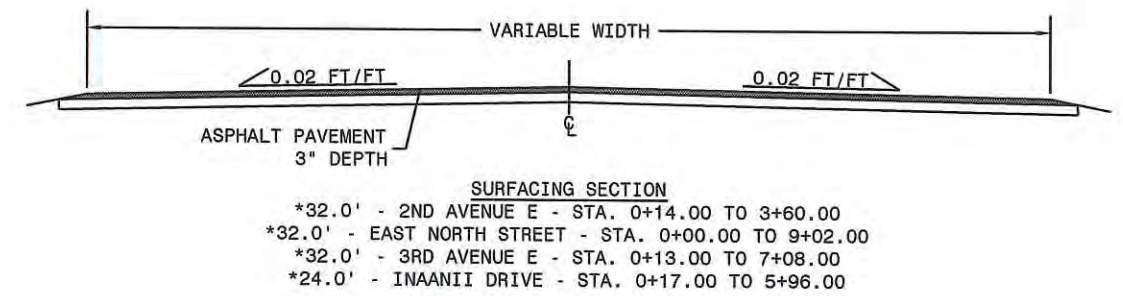
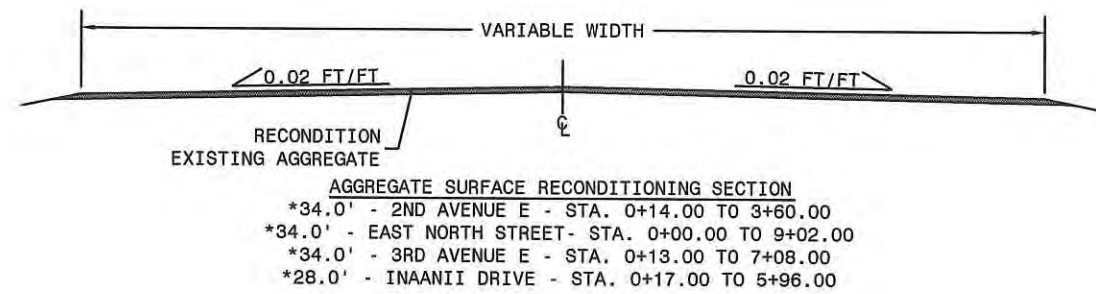
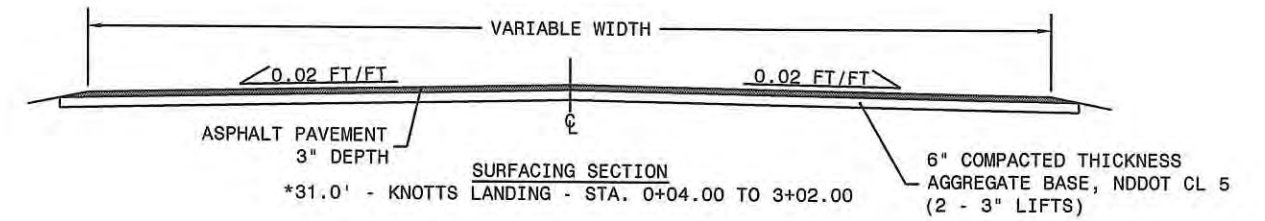
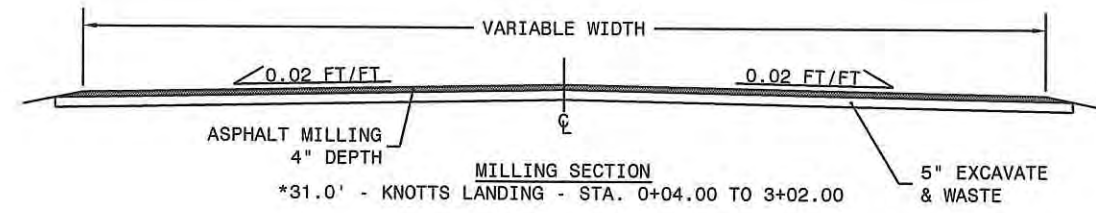
BID NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
151.000	Mobilization	Lump sum	1.00
152.000	Construction survey and staking	Lump sum	1.00
154.000	Contractor testing	Lump sum	1.00
155.000	Construction schedule	Lump sum	1.00
157.001	Temporary turf establishment	Acre	0.50
157.011	Excelsior logs, 12" diameter	Linear foot	12.00
157.012	Excelsior logs, 20" diameter	Linear foot	88.00
157.020	Mucking of erosion control devices	Cubic yard	25.00
201.001	Clearing and grubbing	Lump sum	1.00
203.020	Removal and reset of existing mailbox	Each	11.00
203.032	Removal of existing curb and gutter	Linear foot	609.00
203.036	Remove and reset existing woven wire fence	Linear foot	149.00
203.060	Removal of asphalt / concrete piles	Lump sum	1.00
204.000	Roadway excavation	Cubic yard	5,748.00
204.001	Undercut	Cubic yard	2,965.00
204.012	Waste	Cubic yard	4,286.00
253.002	Gabions, galvanized or aluminized coated	Cubic yard	4.50
253.011	Earthwork geotextile, type IV-D	Square yard	16.00
301.005	Aggregate base, grading NDDOT Class 5	Ton	2,567.80
301.007	Aggregate base, salvage material	Ton	4,364.00
303.003	Aggregate surface reconditioning	Station	27.60
310.000	Salvage and stockpile existing asphalt surfacing	Ton	4,531.00
404.000	Minor hot asphalt concrete	Ton	5,536.30
411.002	Prime coat, grade MC-70	Ton	11.54
412.012	Tack coat, grade CSS-1h	Ton	12.22
604.080	Manhole adjustment	Each	3.00

BID NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
607.002	Cleaning culverts in place	Each	8.00
608.015	Paved waterway type 4, 36 inch width	Square yard	42.80
608.016	Paved waterway type 4, 72 inch width	Square yard	26.70
609.030	PCC curb and gutter, type 1, section A	Linear foot	4,215.25
609.078	PCC fillet section, 6 inch depth	Square yard	104.80
611.025	Valve, adjustment	Each	10.00
611.045	Fire hydrant, adjustment	Each	1.00
611.047	Fire hydrant, relocate	Each	2.00
611.048	Post, fire hydrant protection	Each	24.00
615.000	PCC sidewalk, 4 inch depth	Square yard	1,342.09
615.013	Furnish frame and grate for sidewalk trench drain	Linear foot	1.00
615.014	Install frame and grate for sidewalk trench drain	Linear foot	1.00
615.030	PCC drive pad, type 2B, 6 inch depth	Square yard	439.60
615.079	Asphalt driveway, 3 inch depth	Square yard	4,453.40
615.101	Surface mount detectable warning panel	Square foot	130.00
624.009	Placing conserved topsoil	Cubic yard	1,062.00
625.000	Seeding, dry method	Acre	1.32
625.002	Mulching, dry method	Acre	1.32
625.004	Fertilizer, dry method	Ton	0.10
633.017	Sign installation, 30 inch x 30 inch	Each	2.00
633.070	Sign installation, street sign, 18 inch x 6 inch	Each	4.00
635.000	Temporary traffic control	Lump sum	1.00
635.014	Barricade, type III	Each	2.00
635.017	Construction sign	Square foot	264.00
635.019	Flagger	Hour	300.00
635.031	Warning light, type A	Each	4.00

TYPICAL SECTION



TYPICAL SECTION



PLAN NOTES

SPECIFICATIONS:

THE SPECIFICATIONS USED ON THIS PROJECT ARE THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-03.

BID ITEM NO.	ESTIMATED RATES AND UNIT WEIGHTS		
301.002	Aggregate base grading NDDOT Class 5	139.00	lb. / cu. foot
301.007	Aggregate base, salvage material	135.00	lb. / cu. foot
404.000	Minor hot asphalt concrete	148.00	lb. / cu. foot
409.043	Emulsified asphalt, grade CSS-1h	0.10	gal. / sq. yard
411.002	Prime coat, grade MC-70	0.30	gal. / sq. yard
412.012	Tack coat, grade CSS-1h	0.10	gal. / sq. yard
625.000	Seeding, dry method	4.00	lb. / 1000 sq. ft.
625.002	Mulching, dry method	2.00	ton / acre
625.004	Fertilizer, dry method	150.00	lb. / acre

ARCHAEOLOGY:

NO TRAFFIC OF ANY KIND IS ALLOWED OUTSIDE THE CONSTRUCTION EASEMENTS WITHOUT THE WRITTEN APPROVAL. IF, WHAT ARE BELIEVED TO BE, ARTIFACTS FOUND DURING CONSTRUCTION THE CONTRACTOR SHALL CEASE ANY CONSTRUCTION ACTIVITIES AND SHALL CONTACT THE GOVERNMENT ARCHEOLOGIST AND THE TRIBAL HISTORIC PRESERVATION OFFICE.

DR. CARSON MURDY
B.I.A. ARCHAEOLOGIST
PHONE #: (605) 226-7656

DIANNE DESROSIERS
TRIBAL HISTORIC PRESERVATION OFFICE
PHONE #: (605) 698-4972

WETLAND AND ENDANGERED SPECIES:

THE CONTRACTOR SHALL NOT DISTURB ANY PRAIRIE DOG TOWNS OR WETLANDS WITH CONSTRUCTION ACTIVITIES OUTSIDE THE WORK LIMITS SHOWN ON THE PLANS. THE CONTRACTOR SHALL CEASE ANY CONSTRUCTION ACTIVITIES AND CONTACT THE SELF DETERMINATION OFFICER IF ANY ENDANGERED SPECIES ARE OBSERVED WITHIN THE PROJECT AREA DURING CONSTRUCTION.

UTILITIES:

THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATION AND COORDINATION OF WORK WITH ALL UTILITIES ON THE PROJECT. CALL SOUTH DAKOTA ONE CALL: 1-800-781-7474

CONSTRUCTION OPERATIONS:

BEFORE GRUBBING AND GRADING, CONSTRUCT ALL EROSION CONTROL DEVICES AROUND THE PERIMETER OF THE BALANCE INCLUDING FILTER BARRIERS, DIVERSION, AND SETTLING STRUCTURES. NO WORK WILL BE PAID FOR UNTIL ALL EROSION AND SEDIMENTATION CONTROLS ARE IN PLACE TO THE SATISFACTION OF THE SELF-DETERMINATION OFFICER.

CONSTRUCTION SURVEYING AND STAKING:

THE GOVERNMENT WILL FURNISH DATA FOR ESTABLISHING CONTROL FOR COMPLETION OF HORIZONTAL AND VERTICAL ALIGNMENT. THE CONTRACTOR IS RESPONSIBLE FOR ALL STAKING.

GRADING OPERATIONS:

WATER FOR COMPACTION SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION OF THE CONTRACTOR. GRADING OPERATIONS SHALL NOT MOVE INTO A BALANCE BEFORE THE PREVIOUS BALANCE IS COMPLETE, UNLESS OVERHAUL IS INDICATED. GRADING OPERATIONS SHALL NOT EXCEED ONE AND ONE HALF (1.50) MILES OF PLACEMENT OF TOPSOIL. THE CONTRACTOR WILL BE REQUIRED TO HAVE A LAB ON SITE FOR EARTHWORK TESTING. THE CONTRACTOR SHALL SCARIFY THE TOP 6 INCHES OF THE SUBGRADE AND COMPACT IT TO THE SPECIFIED DENSITY FOR THE SECTION BEING CONSTRUCTED. IN AREAS WHERE EMBANKMENT IS PLACED ON EXISTING SLOPES STEEPER THAN A 3:1, THE CONTRACTOR WILL BE REQUIRED TO USE BENCHING PROCEDURES IN ACCORDANCE WITH SECTION 204.09d FOR THE PLACEMENT OF EMBANKMENT.

TEMPORARY TURF ESTABLISHMENT:

ALL TEMPORARY SEEDING SHALL BE OATS OR RYE, APPLIED AT A RATE OF 45 POUNDS PER ACRE. ALL CULVERTS, INLETS, OUTLETS, AND DRAINAGE CHANNELS SHALL BE SEED. ADDITIONAL AREAS MAY REQUIRE TEMPORARY SEEDING AS A PREVENTATIVE MEASURE FOR SOIL EROSION CONTROL. THESE AREAS WILL BE DETERMINED ON SITE BY THE SELF-DETERMINATION OFFICER.

FIBER LOGS/WATTLES:

EROSION LOGS/WATTLES SHALL BE STAKED WITH 1" X 1" X 36" WOOD STAKES 6" FROM THE ENDS AND EVERY 2 LINEAR FEET ACROSS THE LENGTH. THE LOGS/WATTLES SHALL BE EMBEDDED 2" TO 3" INTO THE GROUND. THE CONTRACTOR SHALL:

- * INSPECT LOGS/WATTLES DAILY DURING PERIODS OF PROLONGED RAINFALL, IMMEDIATELY AFTER EACH RAINFALL EVENT, AND WEEKLY DURING PERIODS OF NO RAINFALL AND MAKE ANY REPAIRS IMMEDIATELY.
- * REMOVE SEDIMENT WHEN IT REACHES 1/3 TO 1/2 THE HEIGHT OF THE LOGS/WATTLES AND TAKE CARE TO AVOID DAMAGING THE LOGS/WATTLES DURING CLEANOUT.

NO WORK WILL BE PAID FOR IF THESE CONTROLS ARE NOT MAINTAINED TO THE SATISFACTION OF THE SELF-DETERMINATION OFFICER (SDO). THE MAINTENANCE WILL BE PAID UNDER ITEM 157.020 MUCKING OF EROSION CONTROL DEVICES, AND MEASURED BY THE CUBIC YARD. THE EXACT LOCATION OF THE LOGS/WATTLES WILL BE ESTABLISHED BY THE SELF-DETERMINATION OFFICER ON SITE. SEE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN THE CONTRACT DOCUMENTS FOR THE GUIDELINES THAT MUST BE FOLLOWED REGARDING: A) EROSION CONTROL DEVICES, B) STABILIZATION CONTROLS, C) WASTE STORAGE, D) HAZARDOUS WASTE, E) SANITARY

REMOVAL OF EXISTING STRUCTURES:

NO PAYMENT WILL BE MADE FOR REMOVAL OF EXISTING PIPE CULVERTS, BRIDGES, AND CAR BODIES, UNTIL THE SDO APPROVES THE DISPOSAL SITES. NO PAYMENT WILL BE MADE FOR NEW CULVERT INSTALLATION UNTIL THE EXISTING CULVERTS ARE REMOVED AND DISPOSED OF AT THE SITE APPROVED BY THE SELF-DETERMINATION OFFICER. IF THE MATERIAL IS DISPOSED OF ON PRIVATE LAND, A SIGNED COPY OF THE WRITTEN AGREEMENT BETWEEN THE LANDOWNER AND CONTRACTOR MUST BE SUBMITTED AND APPROVED BY THE SDO, PRIOR TO DISPOSAL.

REMOVAL OF CONCRETE MATERIAL:

CONCRETE SURFACING, SIDEWALK, CURB AND GUTTER, AND DRIVE PADS SHALL BE REMOVED FROM THE PROJECT. THE DISPOSAL LOCATION SHALL BE APPROVED BY THE SELF-DETERMINATION OFFICER. THE MATERIAL SHALL NOT BE DISPOSED OF ON PRIVATE LAND WITHOUT WRITTEN APPROVAL PRIOR TO DISPOSAL.

REMOVAL OF EXISTING ASPHALT / CONCRETE PILES:

THERE ARE 2 PILES OF CONCRETE MATERIAL AND ASPHALT MATERIAL THAT SHALL BE REMOVED FROM THE PROJECT. THE PILES ARE LOCATED EAST OF INAANII DRIVE. THE DISPOSAL LOCATION SHALL BE APPROVED BY THE SELF-DETERMINATION OFFICER. THE MATERIAL SHALL NOT BE DISPOSED OF ON PRIVATE LAND WITHOUT WRITTEN APPROVAL PRIOR TO DISPOSAL.

ASPHALT PATCHING:

INCLUDED IN THE QUANTITY FOR MINOR HOT ASPHALT CONCRETE IS 200 TONS FOR MISCELLANEOUS ASPHALT PATCHING ON 1ST AND 2ND AVENUE WEST. THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE SELF-DETERMINATION OFFICER.

UNDERCUT:

IN ALL CUT SECTIONS, THE EARTH SUBGRADE SHALL BE UNDERCUT 1 FOOT VERTICALLY BELOW THE SUBGRADE SHOULDER LINE. THE CONTRACTOR IS RESPONSIBLE FOR CUTTING WEEP HOLES IN THE SHOULDERS OUTSIDE THE UNDERCUT AREAS TO ENSURE PROPER DRAINAGE OF THE UNDERCUT AREA AT ALL TIMES. SCARIFYING OF THIS EXPOSED SURFACE SHALL BE WAIVED. THE UNDERCUT OR OTHER SUITABLE MATERIAL, AS DIRECTED BY THE SELF-DETERMINATION OFFICER, SHALL THEN BE REPLACED AND COMPACTED TO THE DENSITY SPECIFIED FOR THE SHALLOW EMBANKMENT SECTIONS. FILLS WHICH HAVE A HEIGHT LESS THAN 1 FOOT MEASURED AT THE FINISHED SHOULDERS, SHALL THEN BE UNDERCUT TO ASSURE A MINIMUM 1 FOOT OF HEIGHT OF EARTH EMBANKMENT. THE UPPER 6 INCHES OF CUT MATERIAL (WHICH CONSISTS OF TOPSOIL WITH A HIGH HUMUS CONTENT) SHALL BE PLACED IN THE FILL SLOPES OUTSIDE THE SHOULDERS OF THE EARTH SUBGRADE, UTILIZED AS TOPSOIL, OR PLACED BELOW 4 FEET IN FILLS WHICH ARE OVER 4 FEET IN HEIGHT. THE REMAINING UNDERCUT SOIL, AND SOIL OBTAINED FROM ADJACENT EXCAVATION (EXCLUDING THE UPPER 6 INCHES), SHALL THEN BE REPLACED AND COMPACTED TO THE DENSITY SPECIFIED FOR THE SECTION BEING CONSTRUCTED. THE CONTRACTOR SHALL SUPPLY THE SDO WITH UNDERCUT SURVEY NOTES (ELEVATIONS AT CENTERLINE AND SHOULDERS). THE SDO WILL VERIFY THAT THE UNDERCUT HAS BEEN REMOVED BEFORE THE CONTRACTOR BACKFILLS IT. THE PLAN QUANTITY FOR UNDERCUT WILL BE THE BASIS OF PAYMENT FOR THE 1 FOOT OF UNDERCUT. THE UNDERCUT WILL NOT BE COMPUTED FROM THE CONTRACTOR'S SUPPLIED NOTES. THE PLAN QUANTITY FOR UNDERCUT WAS COMPUTED BY END AREAS BETWEEN THE EXISTING CROWN (AFTER SALVAGE OPERATIONS) AND A DEPTH OF 1 FOOT FROM THE DESIGN SUBGRADE. ADDITIONAL UNDERCUT AS DIRECTED BY THE SELF-DETERMINATION OFFICER SHALL BE MEASURED BY THE CONTRACTOR AND PAID FOR AT THE UNIT PRICE FOR UNDERCUT.

204.001 Undercut			
N 1st Sesame Street	Sta. 5+24.00 to 8+25.00	424.00	cu. yard
N 2nd Sesame Street	Sta. 3+62.30 to 8+25.00	651.00	cu. yard
1st Sesame Street	Sta. 0+16.00 to 6+88.38	946.00	cu. yard
Tribal Housing Avenue	Sta. 0+16.00 to 6+86.56	944.00	cu. yard
Total =		2,965.00	cu. yard

SALVAGE AND STOCKPILING OF RECYCLED ASPHALT PAVEMENT:

EXISTING ASPHALT PAVEMENT AND GRANULAR BASE MATERIAL SHALL BE SALVAGED AND STOCKPILED AT A LOCATION ARRANGED BY THE CONTRACTOR AND APPROVED BY THE SELF-DETERMINATION OFFICER. THE UNIT BID PRICE FOR ITEM 310.000 SALVAGE AND STOCKPILE EXISTING ASPHALT SURFACING SHALL BE FULL COMPENSATION FOR MATERIALS, LABOR, AND STOCKPILE SITE PREPARATION REQUIRED TO COMPLETE THE WORK.

IN THE EVENT THAT THERE IS NOT ENOUGH SALVAGE MATERIAL TO PLACE AS SHOWN ON THE TYPICAL CROSS SECTION SHEETS, THE CONTRACTOR SHALL SUBSTITUTE AGGREGATE BASE, GRADING NDDOT CLASS 5. THE ADDITIONAL QUANTITY OF AGGREGATE BASE, GRADING NDDOT CLASS 5 SHALL BE PROVIDED AT THE SAME CONTRACT PRICE FOR AGGREGATE BASE, GRADING NDDOT CLASS 5.

CURB AND GUTTER:

ALL CURB AND GUTTER SECTIONS THAT END WITHOUT MATCHING AN EXISTING CURB AND GUTTER SECTION SHALL END WITH A FOUR (4) FOOT TAPER, AS SHOWN ON THE STANDARD DETAIL "CONCRETE CURB TAPER".

WATER VALVES:

WATER VALVES ARE TO BE ADJUSTED AS NEEDED. ALL LABOR AND MATERIAL FOR ADJUSTMENT SHALL BE INCLUDED IN AND INCIDENTAL TO THE UNIT BID PRICE FOR WATER VALVE ADJUSTMENT.

PLAN NOTES

TOPSOIL:

CONSERVED TOPSOIL (ESTIMATED AT 6 INCHES THICK) IS INCLUDED IN THE ROADWAY EXCAVATION AND SHALL BE PAID FOR AT THE UNIT BID PRICE FOR ITEM 204.000. WHEN OPERATIONS OF THE CONTRACTOR DO NOT ALLOW THE TOPSOIL TO BE STOCKPILED WITHIN THE CONSTRUCTION EASEMENTS, IT SHALL BE THE CONTRACTOR'S OBLIGATION TO ARRANGE FOR SITES AT THE CONTRACTOR'S EXPENSE. PLACING CONSERVED TOPSOIL SHALL BE PAID FOR BY THE UNIT BID PRICE FOR PLACING CONSERVED TOPSOIL.

PERMANENT SEEDING:

ALL NEWLY GRADED AREAS WITHIN THE PROJECT LIMITS ARE TO BE SEEDED.

THE PERMANENT SEED MIXTURE SHALL CONSIST OF THE FOLLOWING:

RURAL:		
Western Wheat Grass	8.00	lb. / acre
Intermediate Wheat Grass	8.00	lb. / acre
Alfalfa	2.00	lb. / acre
PURE LIVE SEED (P.L.S.)	18.00	lb. / acre
URBAN:		
Buffalo Grass	2.50	lb. / 1000 sq. ft.
Blue Grama	1.50	lb. / 1000 sq. ft.
PURE LIVE SEED (P.L.S.)	4.00	lb. / 1000 sq. ft.

FERTILIZER:

A COMMERCIAL FERTILIZER WITH A MINIMUM GRADE ANALYSIS OF 18-46-0, OR AN APPROVED ALTERNATE FERTILIZER SHALL BE APPLIED TO ALL AREAS DESIGNATED FOR PERMANENT SEEDING. APPLICATION RATE OF FERTILIZER SHALL BE APPLIED AT ONE HUNDRED AND FIFTY (150) POUNDS PER ACRE.

MULCHING:

FOLLOWING SEEDING, A MULCH CONSISTING OF GRASS, HAY, OR STRAW, SHALL BE BLOWN ON AND PUNCHED INTO ALL NEWLY SEEDED AREAS OF PERMANENT SEEDING. ESTIMATE OF QUANTITIES FOR GRASS, HAY, OR STRAW IS BASED ON ASSUMED COVERAGE OF ALL NEWLY SEEDED AREAS AT A RATE OF TWO (2) TONS PER ACRE. IMMEDIATELY FOLLOWING APPLICATION, THE MULCH SHALL BE PUNCHED INTO THE SOIL BY A TILLER CONSISTING OF A SERIES OF DULL FLAT DISKS WITH NOTCHED OR CUTOUT EDGES.

TRAFFIC CONTROL:

THE CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL SIGNS DESIGNATED ON THE STANDARD DRAWINGS FOR MOVEMENT WITHIN MANNED WORK AREAS, IN A MANNER THAT THEY ARE NEVER PERMITTED TO BE FURTHER THAN 1 MILE FROM THE MANNED WORK ACTIVITY. FURTHER, THAT NO SPEED LIMIT SIGN SHALL BE IMPROPERLY DISPLAYED OR LEFT IN PLACE INAPPROPRIATELY.

CONSTRUCTION SIGN PLACEMENT:

ALL STRIPING AND CONSTRUCTION SIGN LOCATIONS SHALL CONFORM TO THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD CURRENT EDITION) AND SECTION 634, PERMANENT PAVEMENT MARKINGS OF FP-03.

"FLAGGER AHEAD" SIGNS:

WHEN FLAGGERS ARE REQUIRED ON THE PROJECT, A "FLAGGER AHEAD" (SYMBOL) SHALL BE PLACED 500 FEET AHEAD OF THE FLAGGER WITH OTHER REQUIRED ADVISORY SIGNS PLACED IN ACCORDANCE TO THE CURRENT EDITION OF THE MUTCD.

BARRICADE PLACEMENT:

THE TYPE I AND III BARRICADES ARE TO BE PLACED ACROSS THE VARIABLE WIDTHS OF THE ROADWAY UNDER CONSTRUCTION, DEPENDING ON APPLICATION OR CONDITIONS INVOLVED.

RETROREFLECTIVE SHEETING:

USE TYPE III RETROREFLECTIVE SHEETING ON ALL CONSTRUCTION SIGNING.

WARNING LIGHTS:

WARNING LIGHTS SHALL BE USED ON TYPE III BARRICADES IF WINDROWS ARE LEFT OVERNIGHT.

CONTROL POINT DATA:

FRONTAGE ROAD			
STATION	NORTHING	EASTING	DESCRIPTION
0+00.00	238774.8882	1638375.7945	POB
8+66.23	238764.0178	1639241.9549	POE

N 1ST SESAME STREET			
STATION	NORTHING	EASTING	DESCRIPTION
0+00.00	238656.3955	1639240.4438	POB
5+24.00	239180.3439	1639247.8003	POT
8+25.00	239481.3142	1639252.0260	POE

N 2ND SESAME STREET			
STATION	NORTHING	EASTING	DESCRIPTION
0+00.00	238645.7481	1639946.7942	POB
3+62.30	239008.0333	1639950.0711	POT
8+25.00	239470.7144	1639954.2561	POE

EAST SESAME STREET			
STATION	NORTHING	EASTING	DESCRIPTION
0+00.00	238892.5318	1639243.7593	POB
7+05.25	238882.5603	1639948.9362	POE

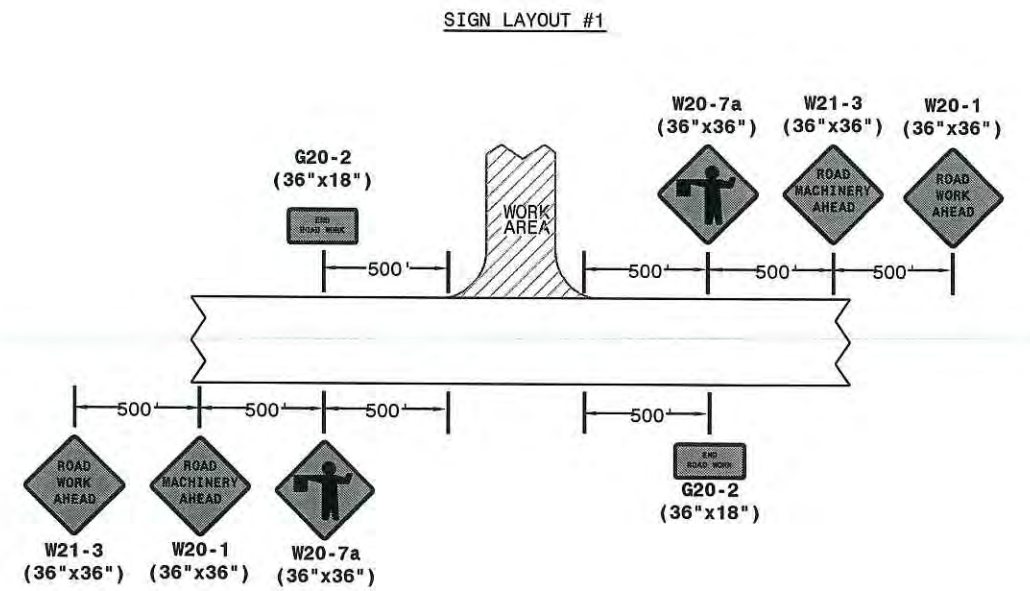
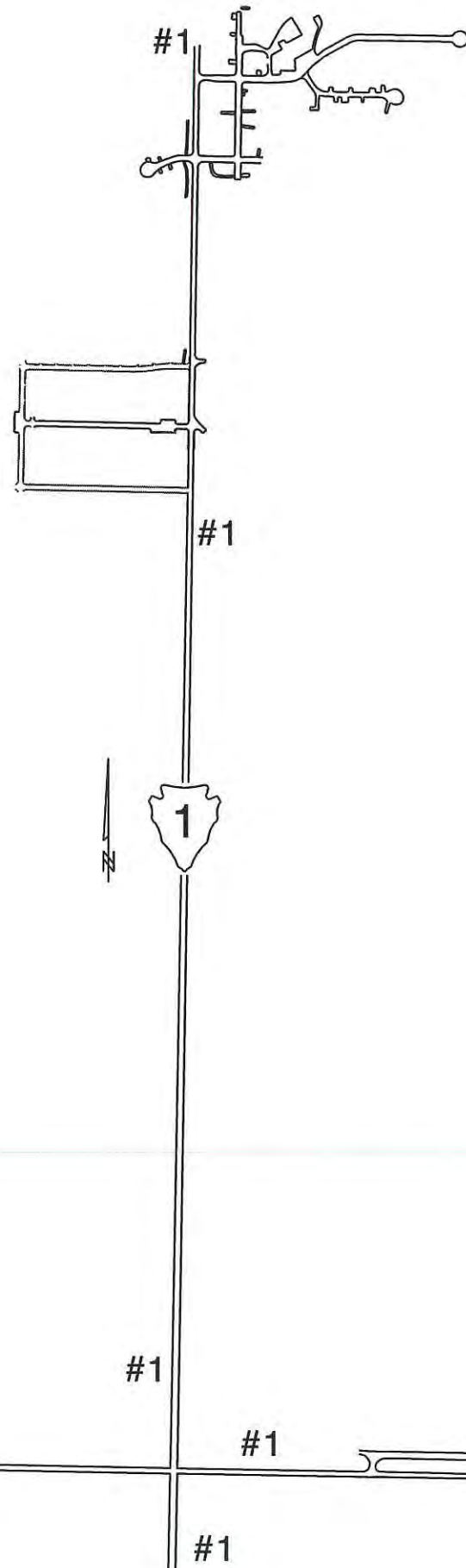
1ST SESAME STREET			
STATION	NORTHING	EASTING	DESCRIPTION
0+00.00	239066.0010	1639246.1948	POB
7+04.38	239055.9409	1639950.5044	POE

TRIBAL HOUSING AVENUE			
STATION	NORTHING	EASTING	DESCRIPTION
0+00.00	239435.1146	1639251.3773	POB
7+02.56	239421.6109	1639953.8119	POE

INAANII DRIVE			
STATION	NORTHING	EASTING	DESCRIPTION
0+00.00	246217.1580	1638030.7749	POB
1+10.09	246126.7950	1638093.6634	PC1
1+49.28	246094.6299	1638116.0488	PT1
	246169.6374	1638155.2225	CC1
1+82.32	246094.6374	1638144.2368	PT1
6+14.29	246094.7197	1638587.2119	POE

LAND TIES		
DESCRIPTION	NORTHING	EASTING
SE SECTION CORNER, SECTION 12, T148N, R88W, 5TH PM	238605.5800	1642611.6460
S QUARTER CORNER, SECTION 12 & 13, T148N, R88W, 5TH PM	238645.3110	1639975.7890
SW SECTION CORNER, SECTION 12, T148N, R88W, 5TH PM	238685.0500	1637339.4980
PROPERTY CORNER	238720.0180	1639977.0590
PROPERTY CORNER	239964.2350	1639998.2150
NW SECTION CORNER, SECTION 12, T148N, R88W, 5TH PM	243960.5500	1637429.1640
S SIXTEENTH CORNER, SECTION 1 & 2, T148N, R88W, 5TH PM	245284.5070	1637452.2710
NW SECTION CORNER, SECTION 1, T 148N, R88W, 5TH PM	248701.4490	1637510.7970
SE SIXTEENTH CORNER, SECTION 2, T148N, R88W, 5TH PM	245307.1120	1636132.6350
E SIXTEENTH CORNER, SECTION 2 & 11, T148N, R88W, 5TH PM	243987.4780	1636110.0300

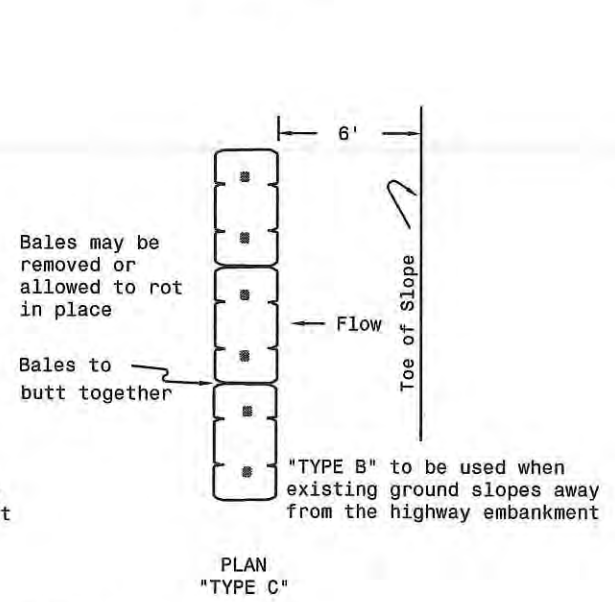
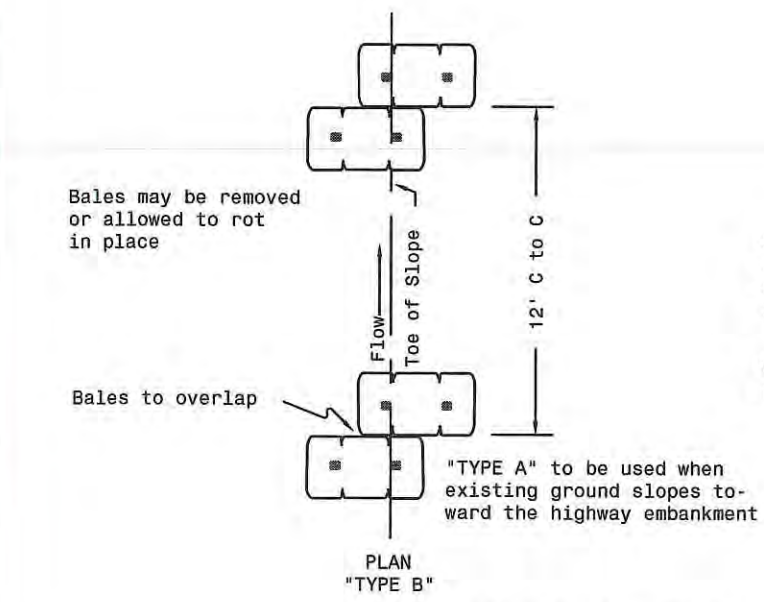
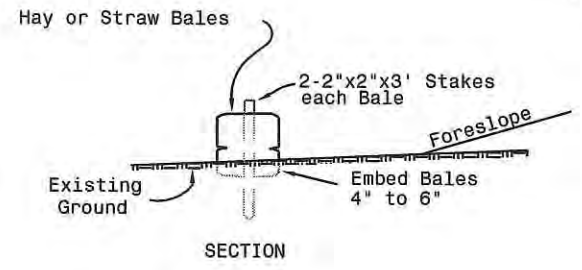
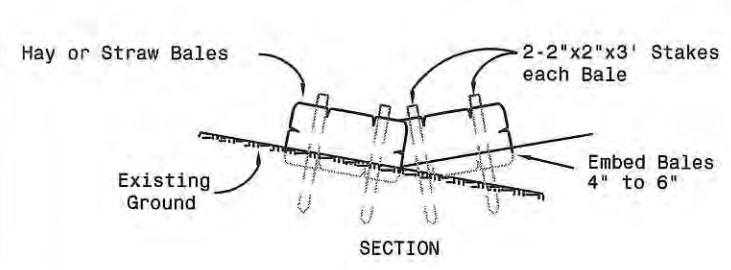
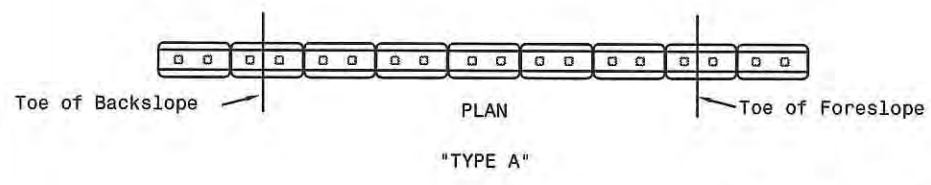
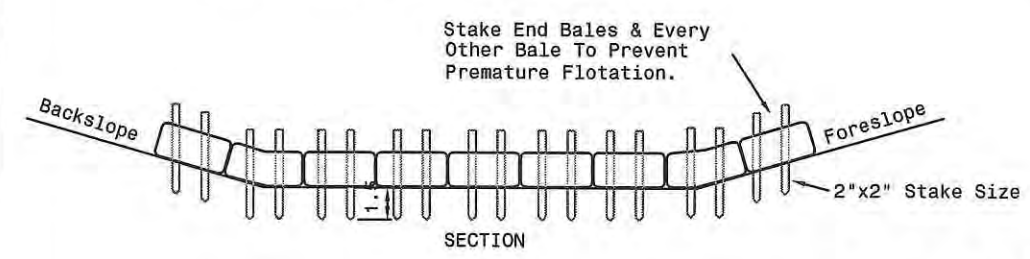
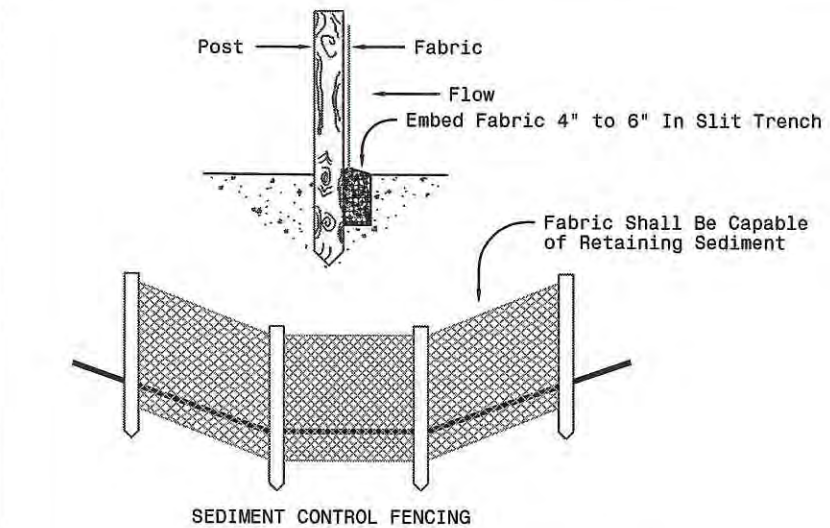
CONSTRUCTION SIGNING



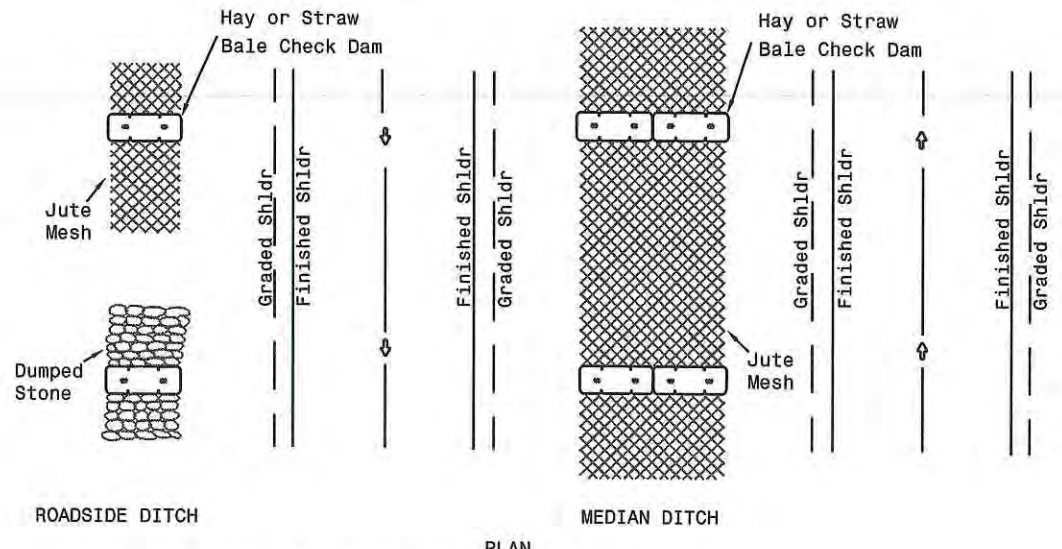
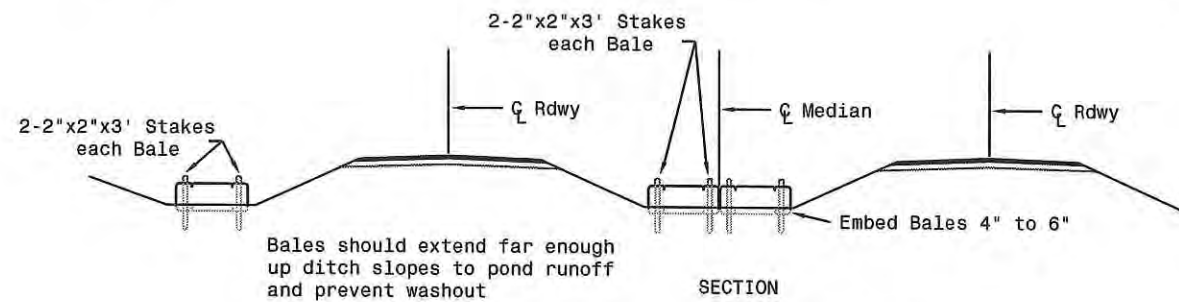
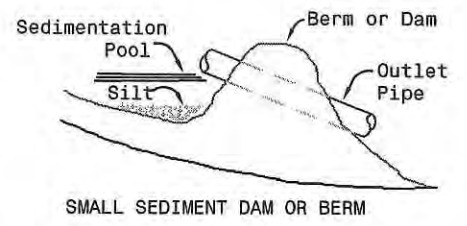
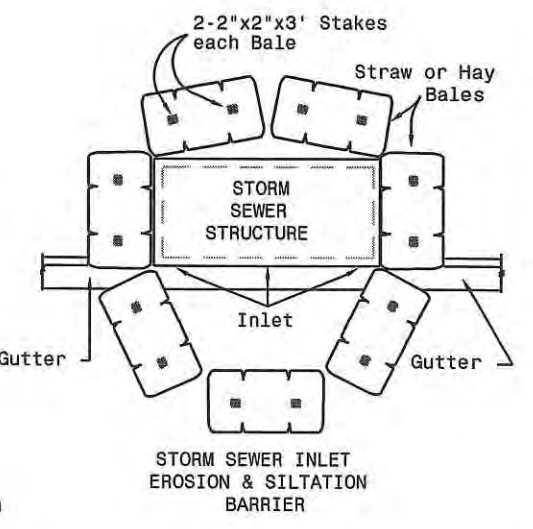
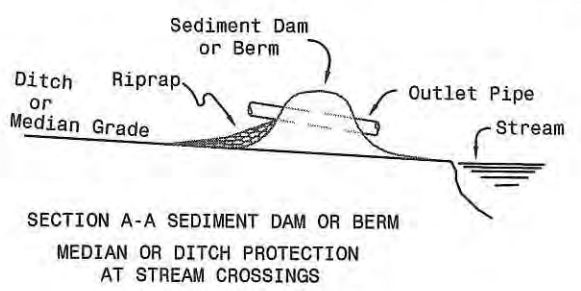
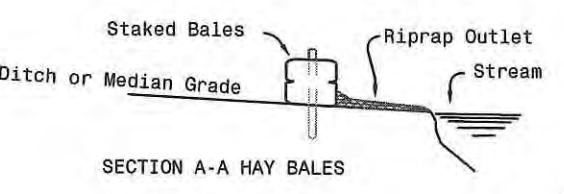
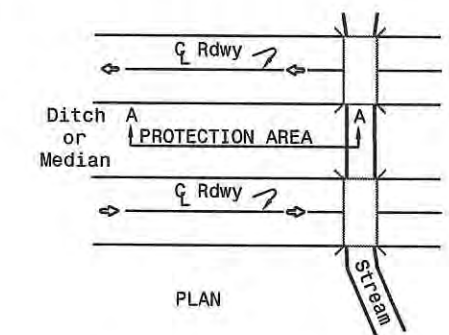
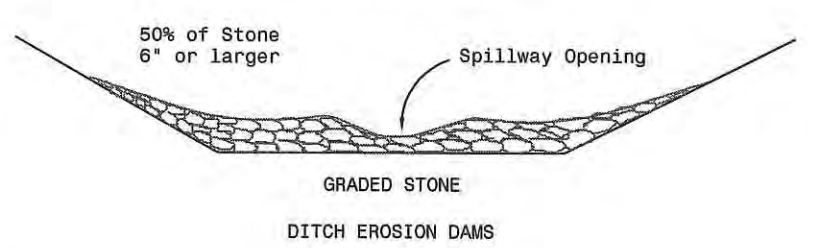
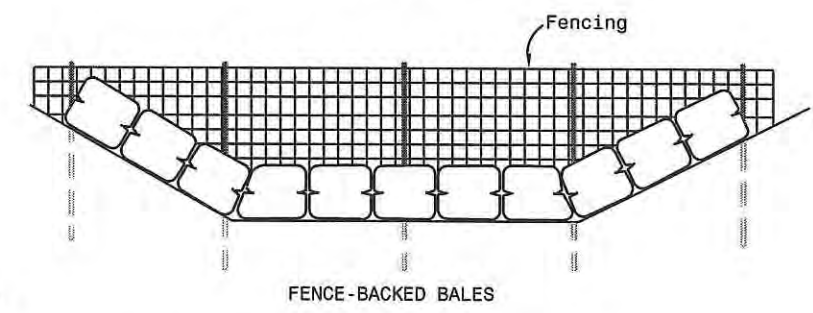
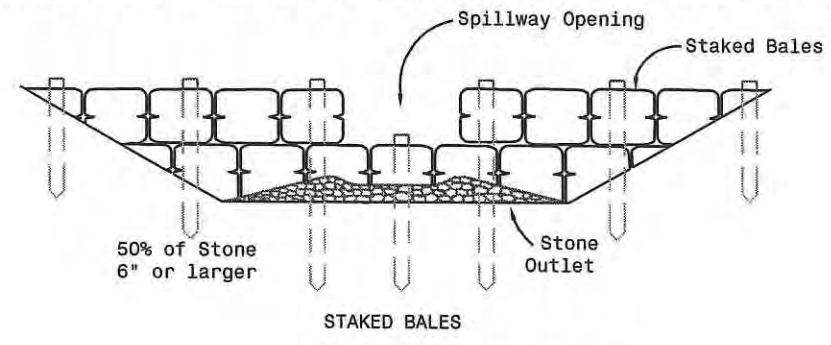
TO PARSHALL

TO EMMET

TEMPORARY EROSION AND SILTATION CONTROLS

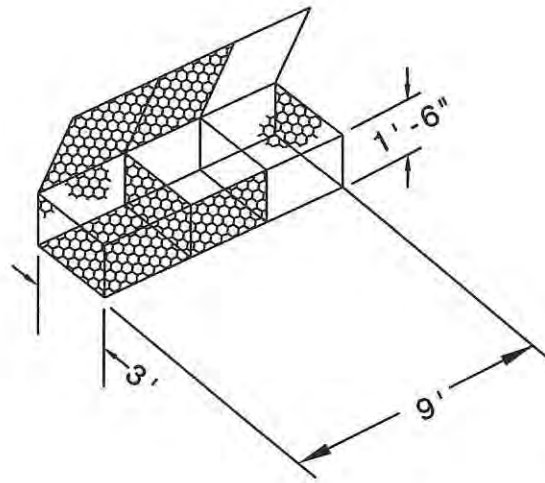


BALED HAY OR STRAW EROSION CHECKS

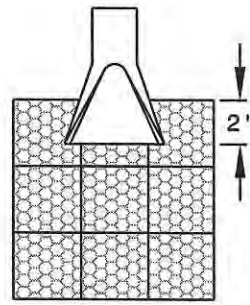


NOTES:
These Temporary Erosion and Siltation Controls or Modifications thereof may be used by the Contractor or directed by the Engineer to prevent erosion or siltation during the construction stage.
Payment for these items will be incidental unless shown otherwise on the plans.

STANDARD ROCK & WIRE GABIONS

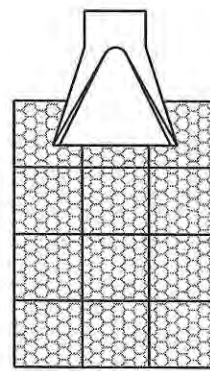


24" RCP & CMP



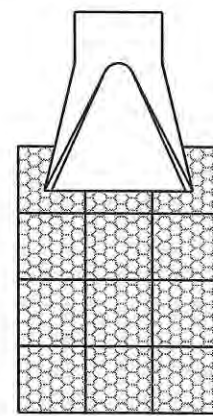
4.5 C.Y. GABIONS
15 S.Y. FABRIC

30" RCP & CMP



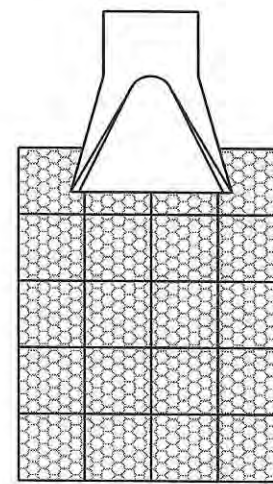
6 C.Y. GABIONS
19 S.Y. FABRIC

36" RCP & CMP



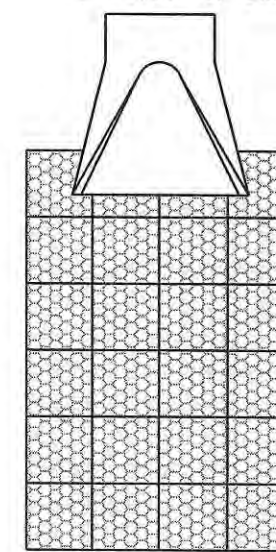
6 C.Y. GABIONS
19 S.Y. FABRIC

42" RCP & CMP



10 C.Y. GABIONS
29 S.Y. FABRIC

48" RCP & CMP

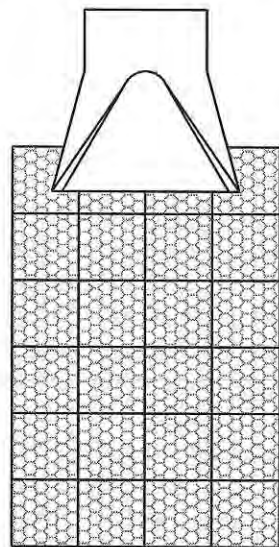


12 C.Y. GABIONS
34 S.Y. FABRIC

LENGTH	WIDTH	HEIGHT	NUMBER OF CELLS	CAPACITY, CUBIC YARDS
9'-0"	3'-0"	1'-6"	3	1.50
12'-0"	3'-0"	1'-6"	4	2.00
15'-0"	3'-0"	1'-6"	5	2.50
18'-0"	3'-0"	1'-6"	3	3.00
21'-0"	3'-0"	1'-6"	3	3.50

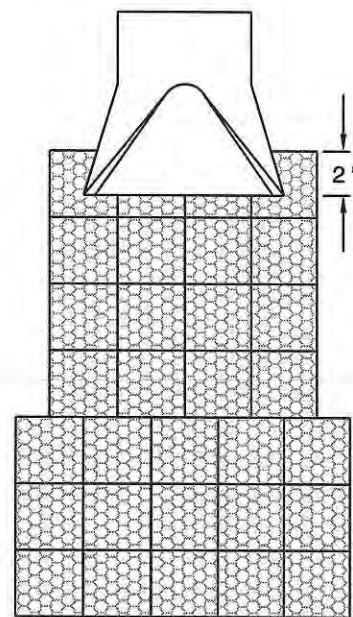
NOTES:
GABIONS SHALL BE PLACED TWO (2) FEET BEHIND THE END SECTIONS

54" RCP & CMP



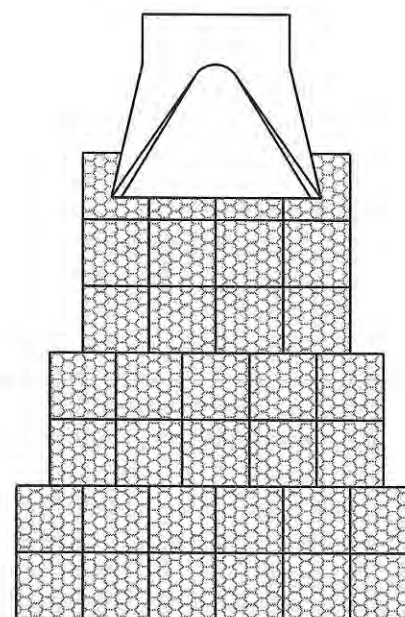
12 C.Y. GABIONS
34 S.Y. FABRIC

60" RCP & CMP



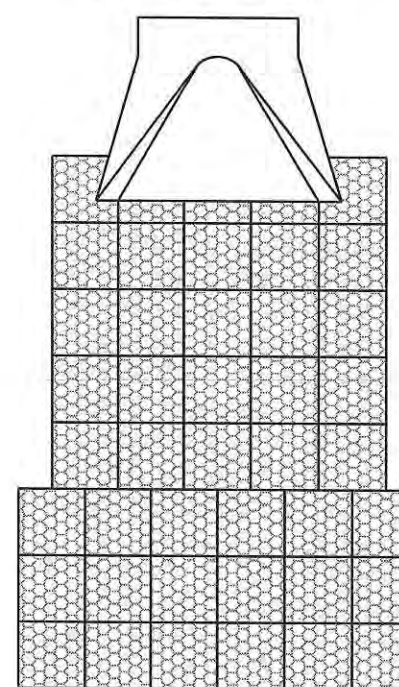
15.5 C.Y. GABIONS
43 S.Y. FABRIC

66" RCP & CMP



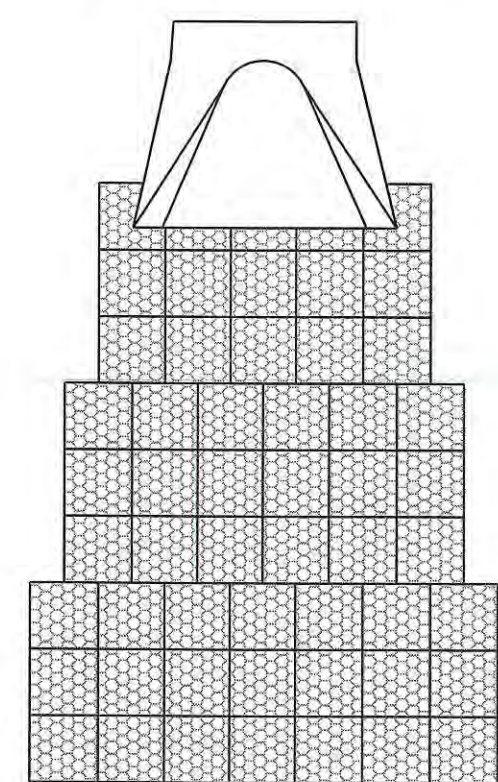
17 C.Y. GABIONS
47 S.Y. FABRIC

72" RCP & CMP



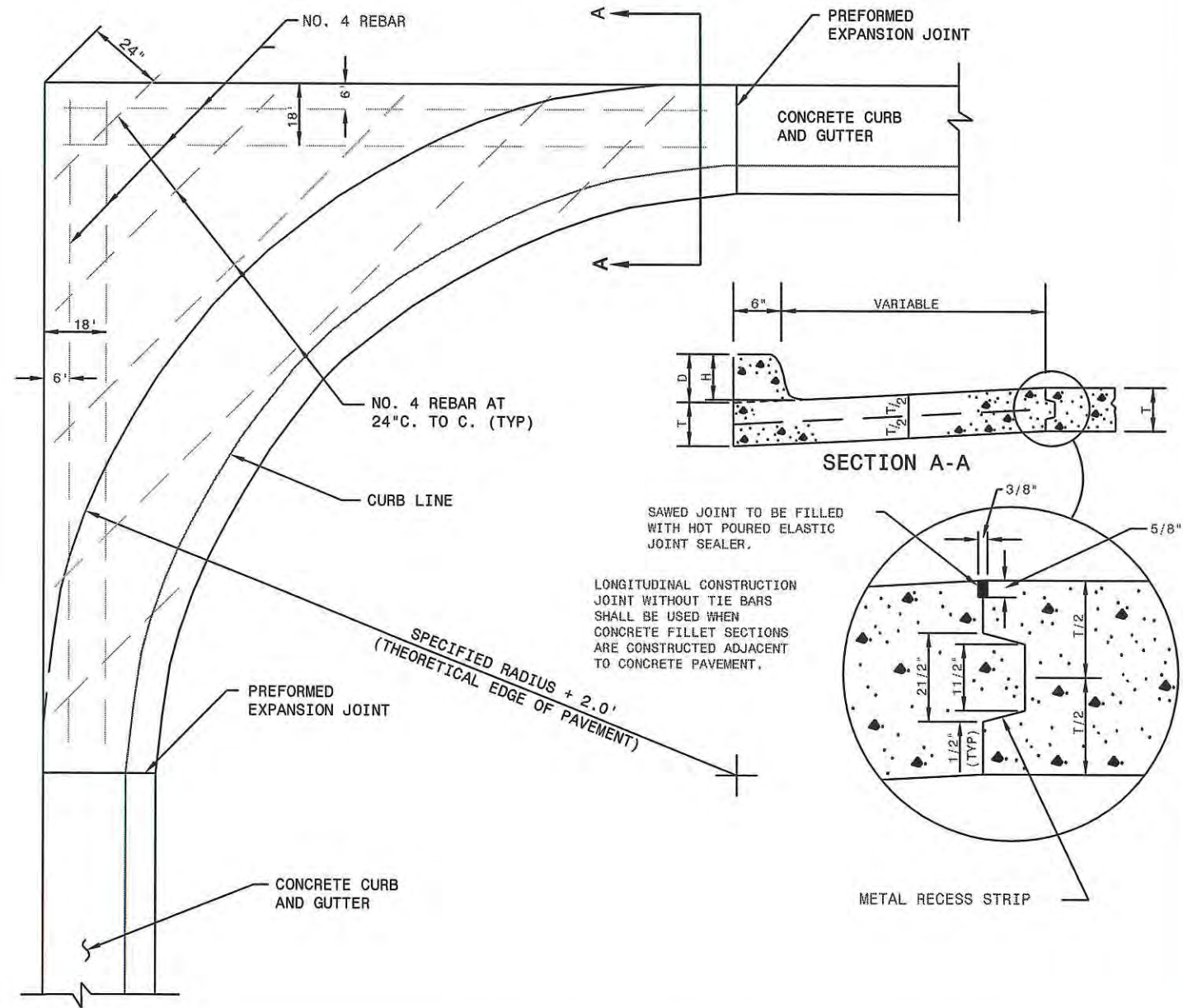
21.5 C.Y. GABIONS
57 S.Y. FABRIC

78" & 84" RCP & CMP



27 C.Y. GABIONS
70 S.Y. FABRIC

PCC FILLET SECTION WITH CURB & GUTTER



GENERAL NOTES:

DIMENSIONS "D", "H", AND "T" SHALL CONFORM TO THOSE SHOWN ON THE APPROPRIATE CURB AND GUTTER STANDARD.

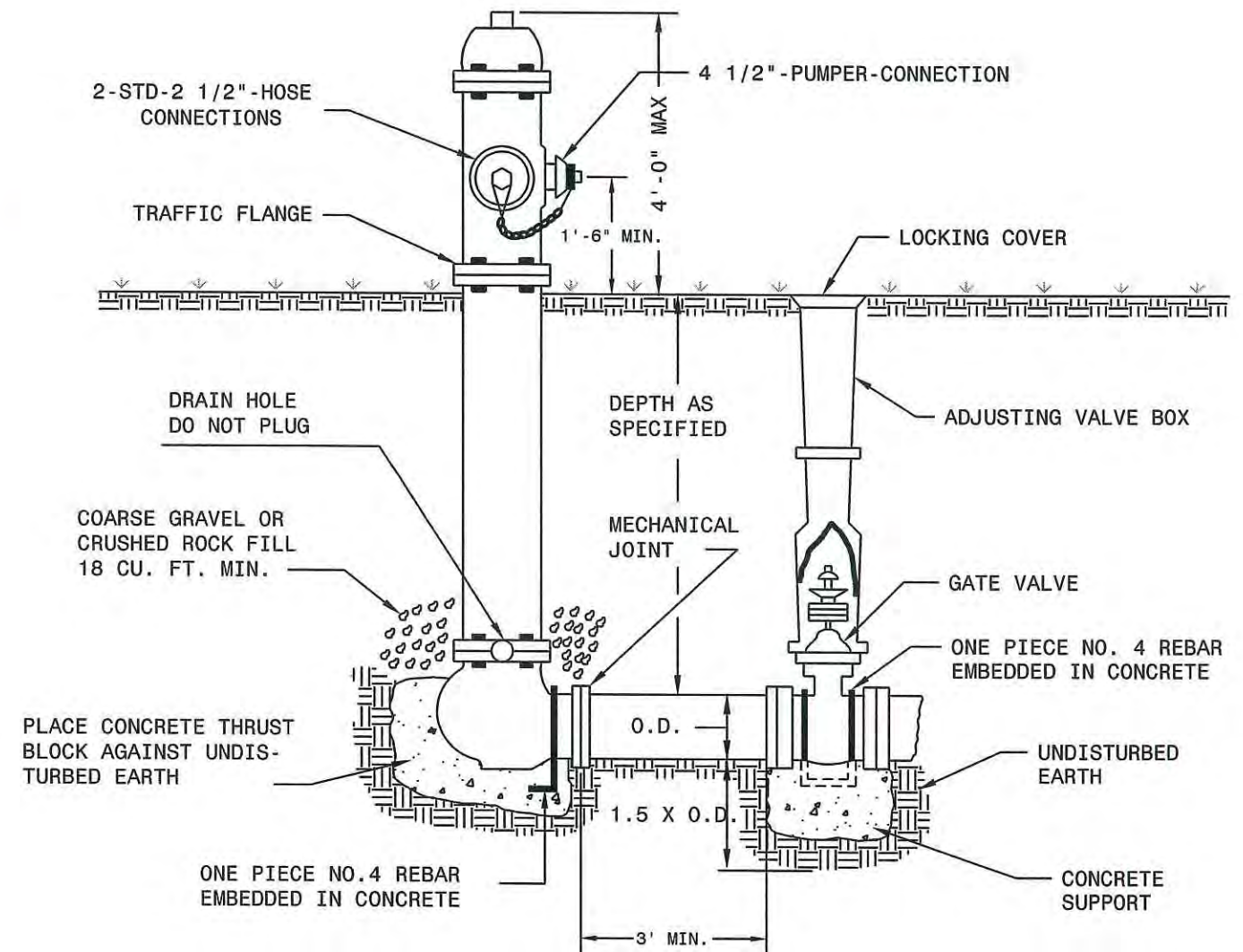
ALL REBARS SHALL BE EPOXY COATED AND SHALL CONFORM TO A.S.T.M. A615 GRADE 60. ALL REBARS SHALL HAVE A MINIMUM OF 2.5" COVER.

CONCRETE CONFORMING TO SECTION 601 OF FP-92 SHALL BE USED IN CONSTRUCTION OF THE FILLETS. THE CONCRETE CURB SHALL BE MONOLITHIC WITH THE CONCRETE FILLET. NO SEPARATE PAYMENT FOR THIS CURB WILL BE MADE, SAME BEING CONSIDERED A PART OF THE FILLET.

JOINTS SHALL BE CONSTRUCTED AT 10' INTERVALS EXCEPT WHEN FILLETS ARE CONSTRUCTED ADJACENT TO PCC PAVEMENT THEN THE JOINTS SHALL BE EXTENDED FROM EDGE OF PAVEMENT THROUGH THE FILLET SECTION AS DIRECTED BY THE ENGINEER.

THE COST OF ALL MATERIALS, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THE SAME SHALL BE INCLUDED AND ABSORBED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR CONCRETE FILLET SECTION.

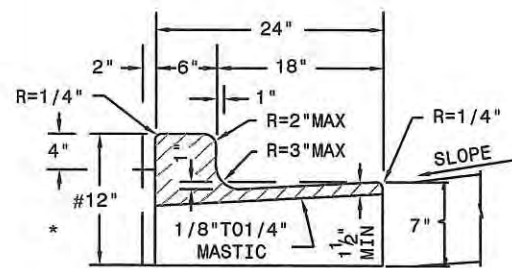
FIRE HYDRANT



NOTE:

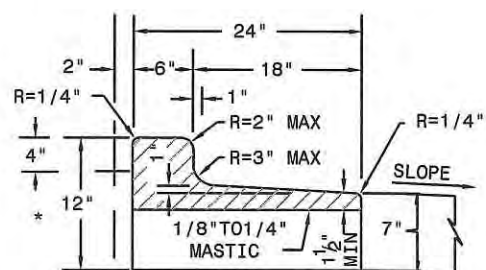
IF PVC PIPE IS USED BETWEEN HYDRANT AND GATE VALVE, WALL THICKNESS MUST BE 0.30" FOR CONNECTION BY MECHANICAL JOINT.

VALLEY GUTTER AND CURB & GUTTER

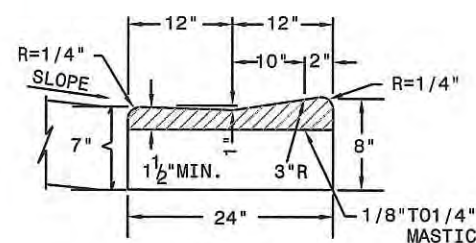


CURB & GUTTER TYPE 1 (SEC A)
#16" SEC. B
#14" SEC. C

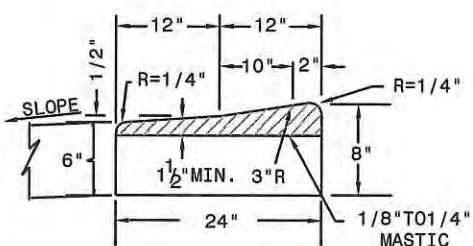
* PROVIDE 2" LEDGE AS SHOWN WHERE THE SIDEWALK IS ABUTTING THE CURB & GUTTER



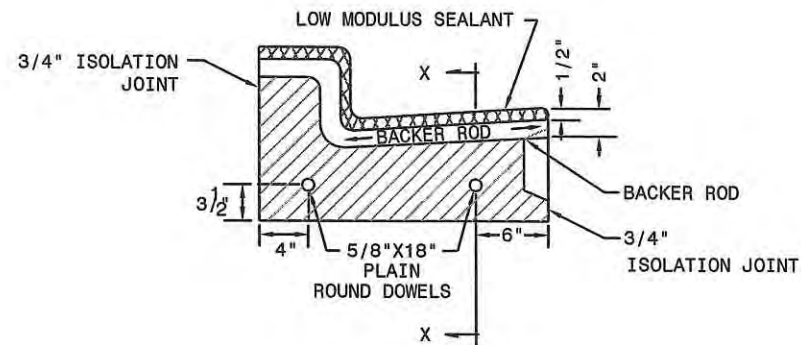
CURB & GUTTER TYPE 1 (SEC. D)



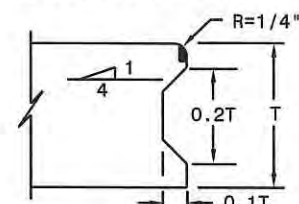
MOUNTABLE CURB & GUTTER TYPE 1 (SEC A)



MOUNTABLE CURB & GUTTER TYPE 1 (SEC. B)

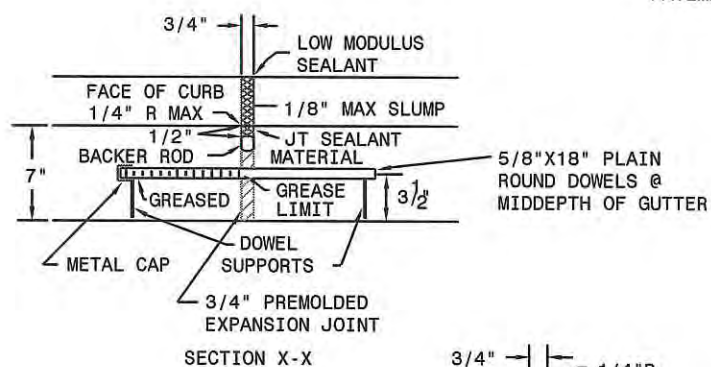


ISOLATION JOINT DETAIL

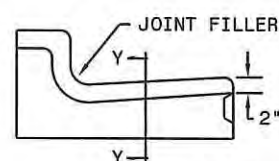


KEYWAY DETAIL FOR CURB & GUTTER
(TO BE USED WITH P.C.C. PAVEMENT AND DRIVES)

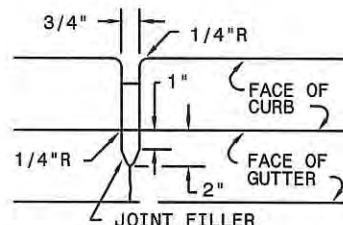
T=Thickness of Pavement Unless Otherwise Noted on Plans.



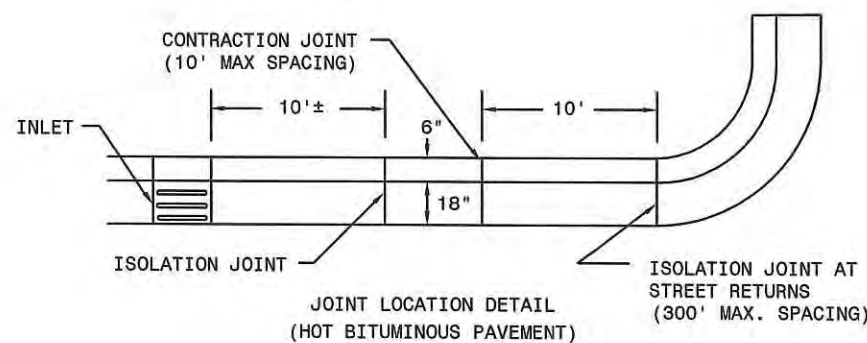
SECTION X-X



SCORED CONTRACTION JOINT DETAIL (10' MAX. SPACING)

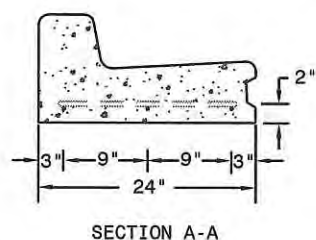


JOINT LOCATION DETAIL (HOT BITUMINOUS PAVEMENT)



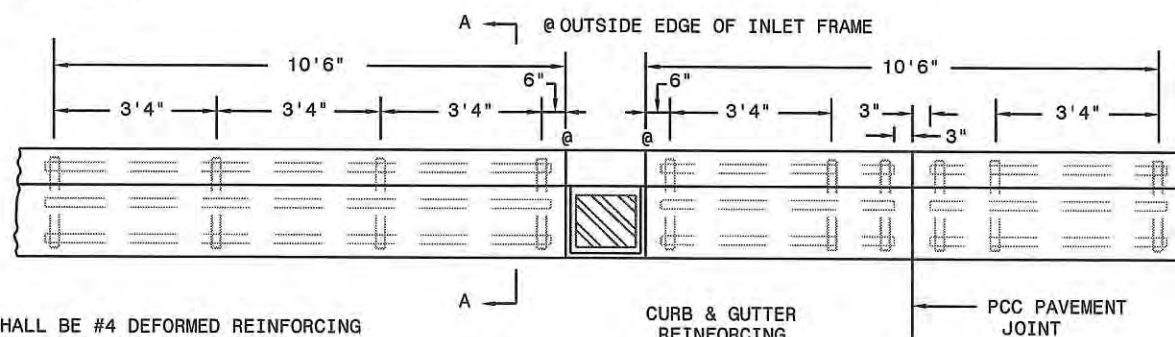
NOTES:

1. CURB AND GUTTER TYPE 1 (SEC. A) TO BE USED UNLESS OTHERWISE SPECIFIED
2. CONTRACTION JOINTS: USE 1/8" - 1/4" ASPHALTIC MASTIC BOARD EMBEDDED 1 1/2" INTO THE GUTTER AND THROUGH THE CURB, OR SCORE THE CURB AND GUTTER 0.05m AS SHOWN IN THE DETAIL.
3. ISOLATION JOINTS - ISOLATION JOINT MATERIAL SHALL BE 3/4" PREMOLDED CONFORMING TO SECTION 826.02 B OF THE STANDARD SPECIFICATIONS. THE OPENING FOR THE BACKER ROD AND JOINT SEALANT SHALL BE FORMED BY A PRE-CUT PIECE OF WOOD OR OTHER MATERIAL APPROVED BY THE ENGINEER. DOWEL SUPPORTS ARE NOT REQUIRED ON THE SECOND POUR AT A COLD JOINT. THE METAL CAP AND GREASED DOWEL SHALL BE ON THE SECOND POUR.
4. JOINT SPACING - FOR HOT BITUMINOUS PAVEMENTS THE JOINT SPACING OF THE CURB AND GUTTER SHALL BE AS SHOWN IN THE DETAIL. THE CURB AND GUTTER JOINTS SHALL MATCH THE PAVEMENT JOINT ON PCC PAVEMENTS.
5. JOINT SEALING - ALL CONTRACTION AND ISOLATION JOINTS SHALL BE SEALED AS SHOWN IN THE DETAILS. THE JOINT SEALANT SHALL BE LOW MODULUS SILICONE OR POLYURETHANE. THE SEALANT SHALL BE TOoled AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
6. THE COST FOR ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO CONSTRUCT CONTRACTION, & ISOLATION JOINTS SHALL BE INCLUDED IN THE PRICE BID FOR CURB AND GUTTER.



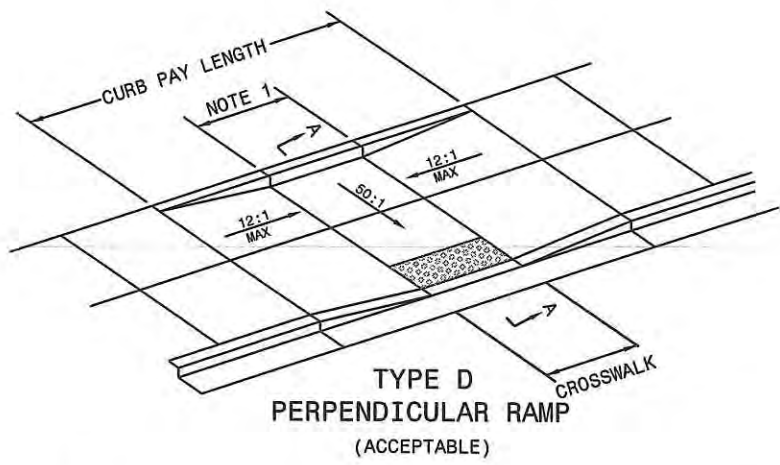
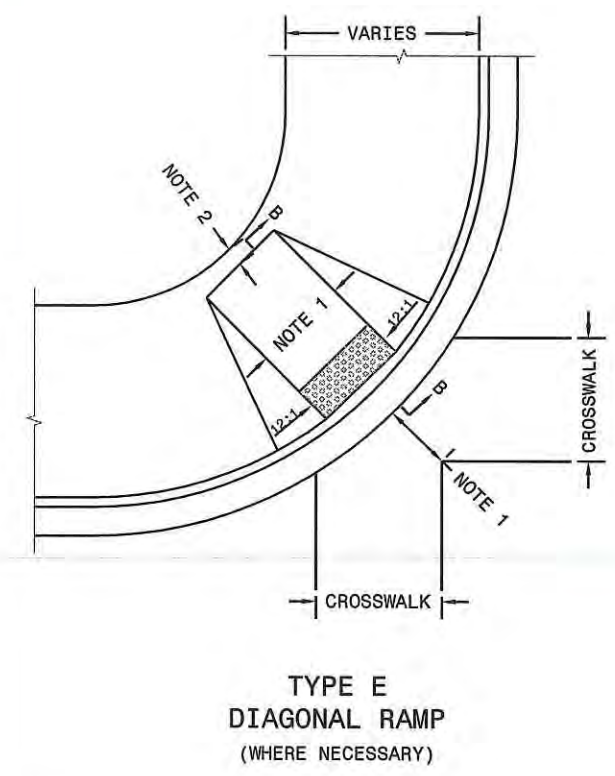
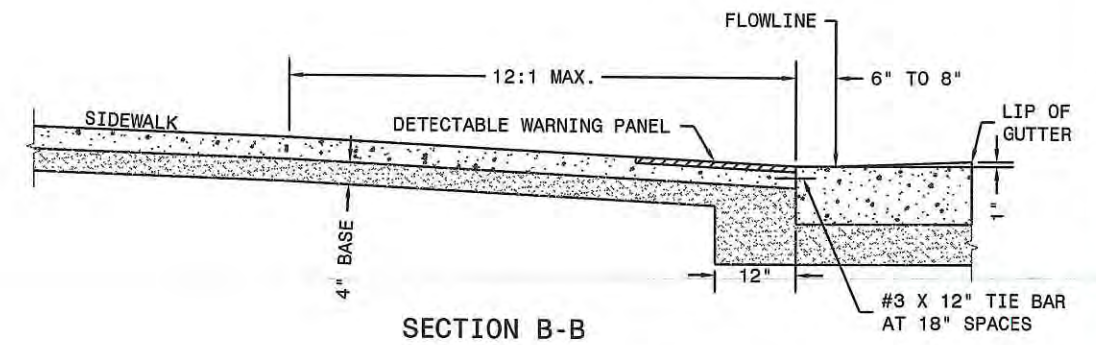
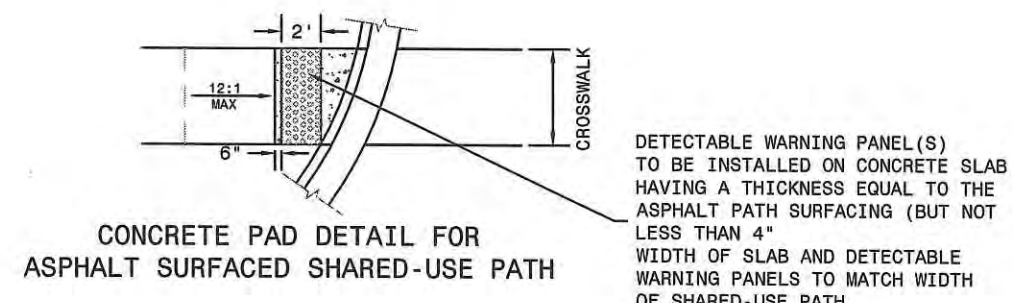
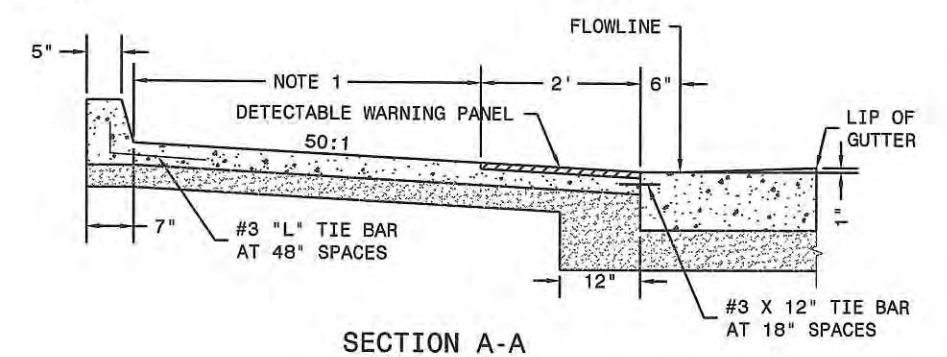
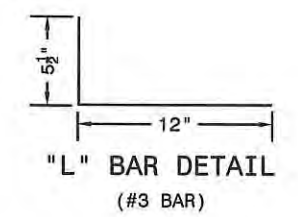
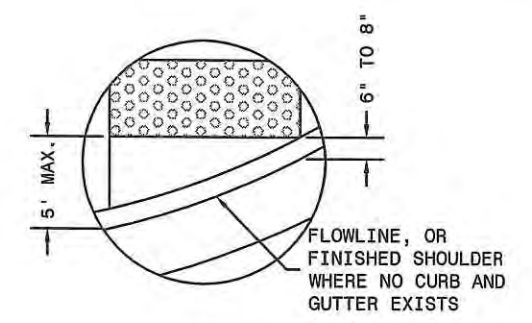
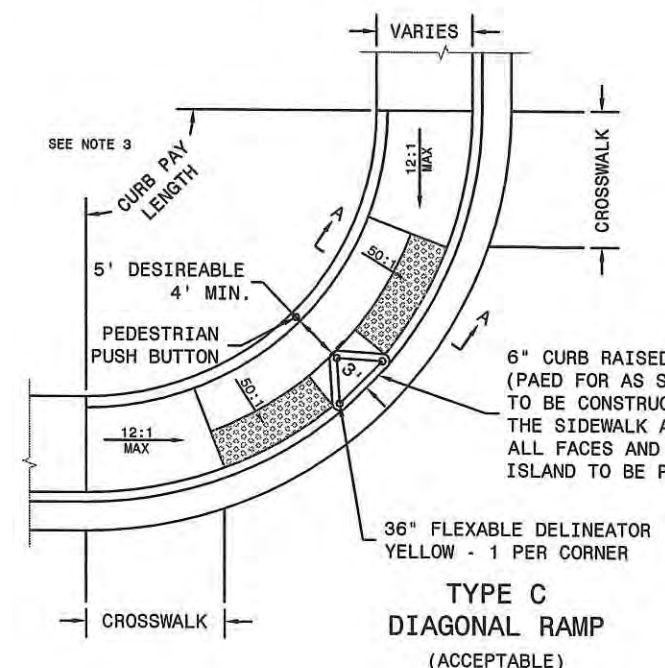
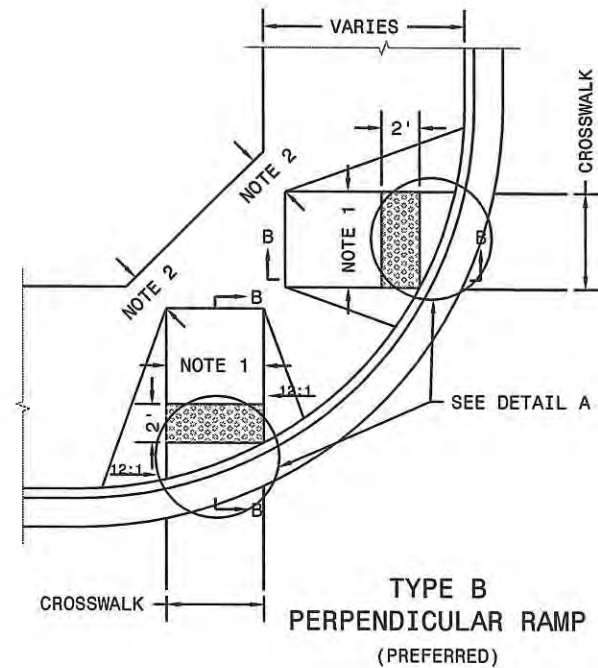
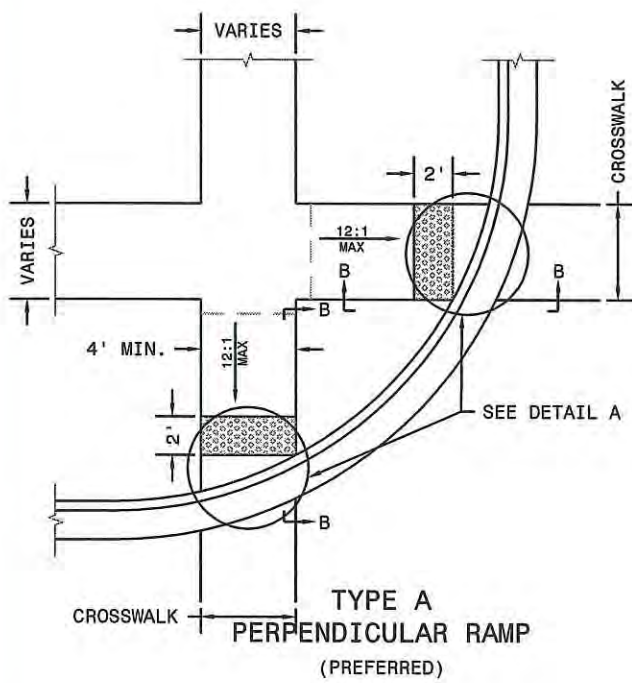
SECTION A-A

NOTE: ALL BARS SHALL BE #4 DEFORMED REINFORCING BARS. SPLICES WILL NOT BE PERMITTED. REINFORCING BARS AT INLET LOCATIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE PRICE BID FOR "CURB AND GUTTER - TYPE I".

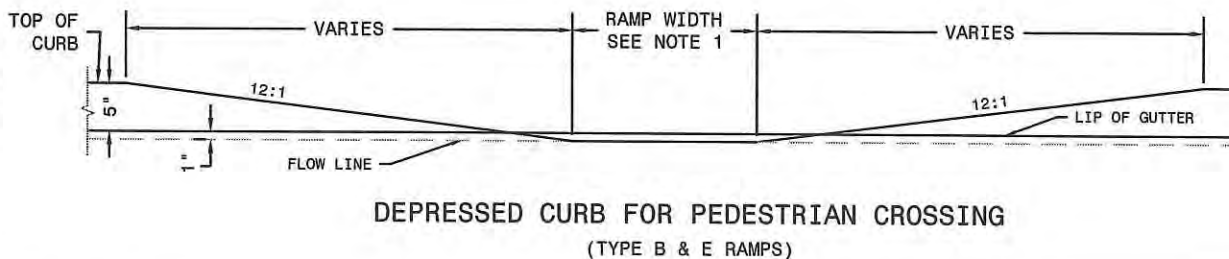
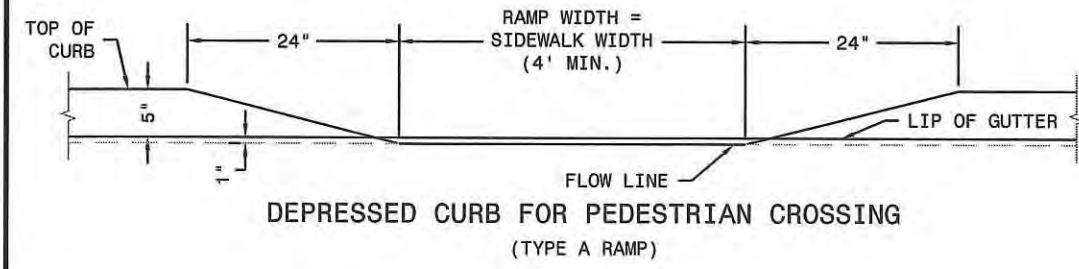


CURB & GUTTER REINFORCING AT INLETS
(This Includes Inlets Located on Radii)

CURB RAMP DETAILS

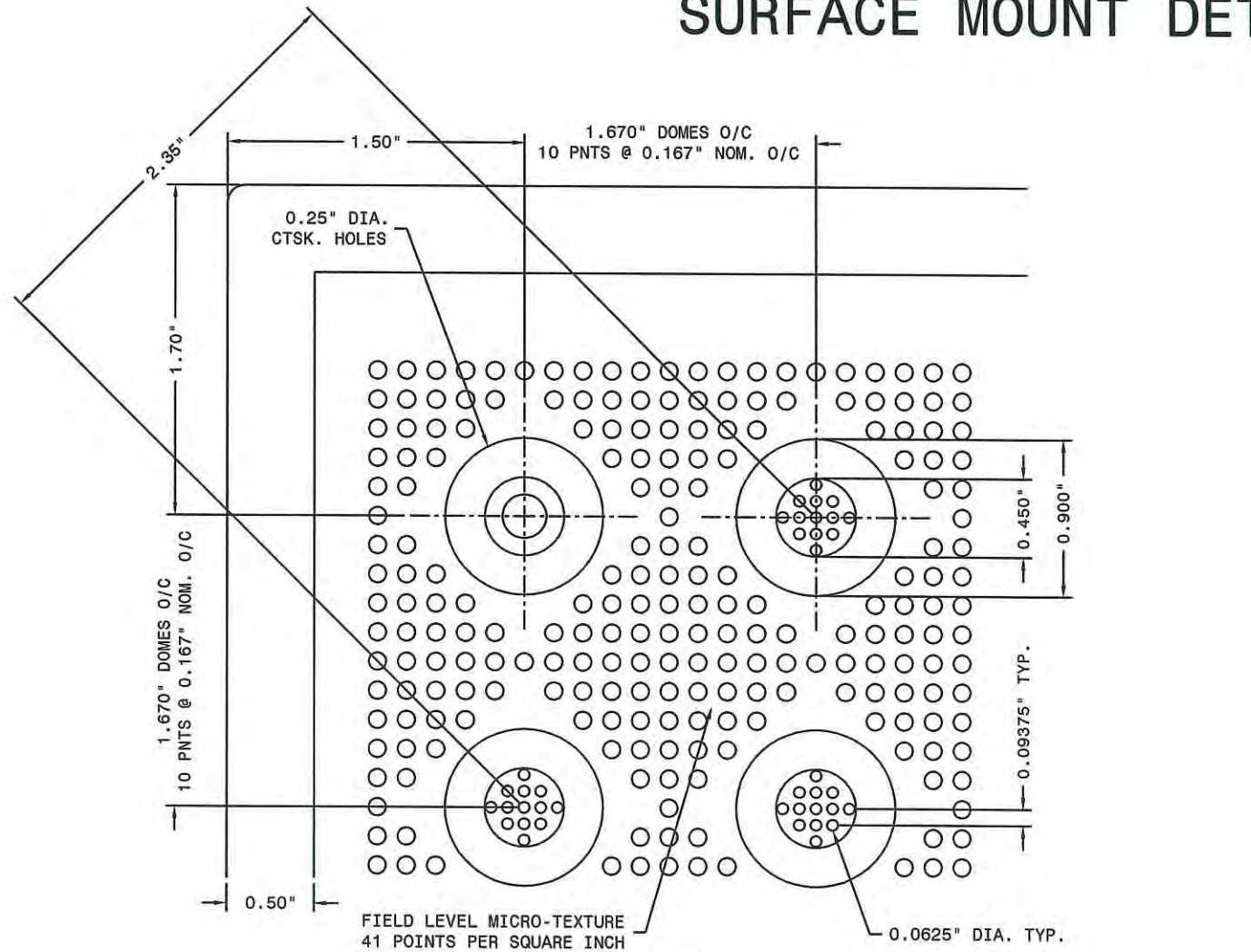


- NOTES:**
- FOR SIDEWALK INSTALLATIONS, A 5' RAMP WIDTH SHOULD BE USED. WHERE SITE CONDITIONS DO NOT ALLOW A 5' RAMP WIDTH, A 4' RAMP WIDTH MAY BE USED. DETECTABLE WARNING PANELS SHALL BE INSTALLED TO MATCH THE RAMP WIDTH (RAMP WIDTH IS DEFINED AS THE USEABLE PORTION OF RAMP, EXCLUDING FLARED APRONS IF USED). WHERE RAMP ARE INSTALLED FOR SHARED-USE PATHS, THE RAMP WIDTH AND DETECTABLE WARNING PANEL WIDTH SHALL BE EQUAL TO THE WIDTH OF THE SHARED-USE PATH.
 - 5' IS DESIREABLE BUT 4' IS THE MINIMUM ALLOWABLE DISTANCE. IF THE 4' MINIMUM DISTANCE CANNOT BE PROVIDED, RAMP TYPE 'C' SHALL BE USED.
 - THE CURB SHOWN IN THE DETAILS FOR TYPE 'C' AND 'D' CURB RAMPS SHALL BE MEASURED BY THE LINEAL FOOT, AND PAID FOR AT THE UNIT PRICE BID FOR PCC CURB AND GUTTER.

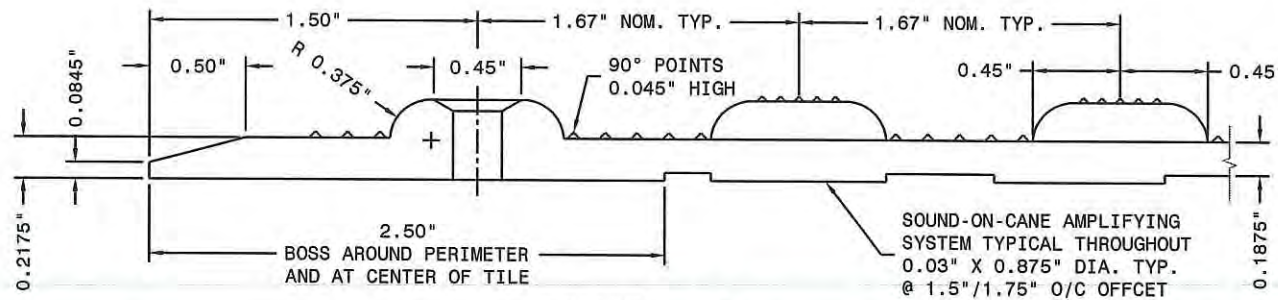


- DETECTABLE WARNING PANEL(S)

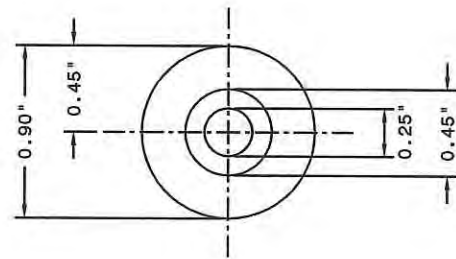
SURFACE MOUNT DETECTABLE WARNING PANELS



DETAIL 1

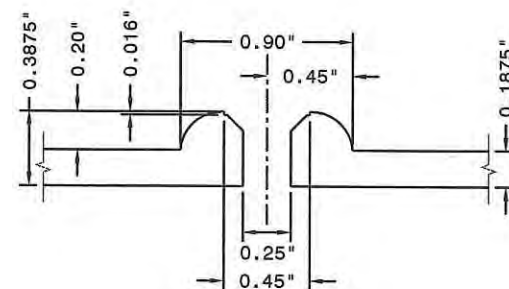


SECTION A-A



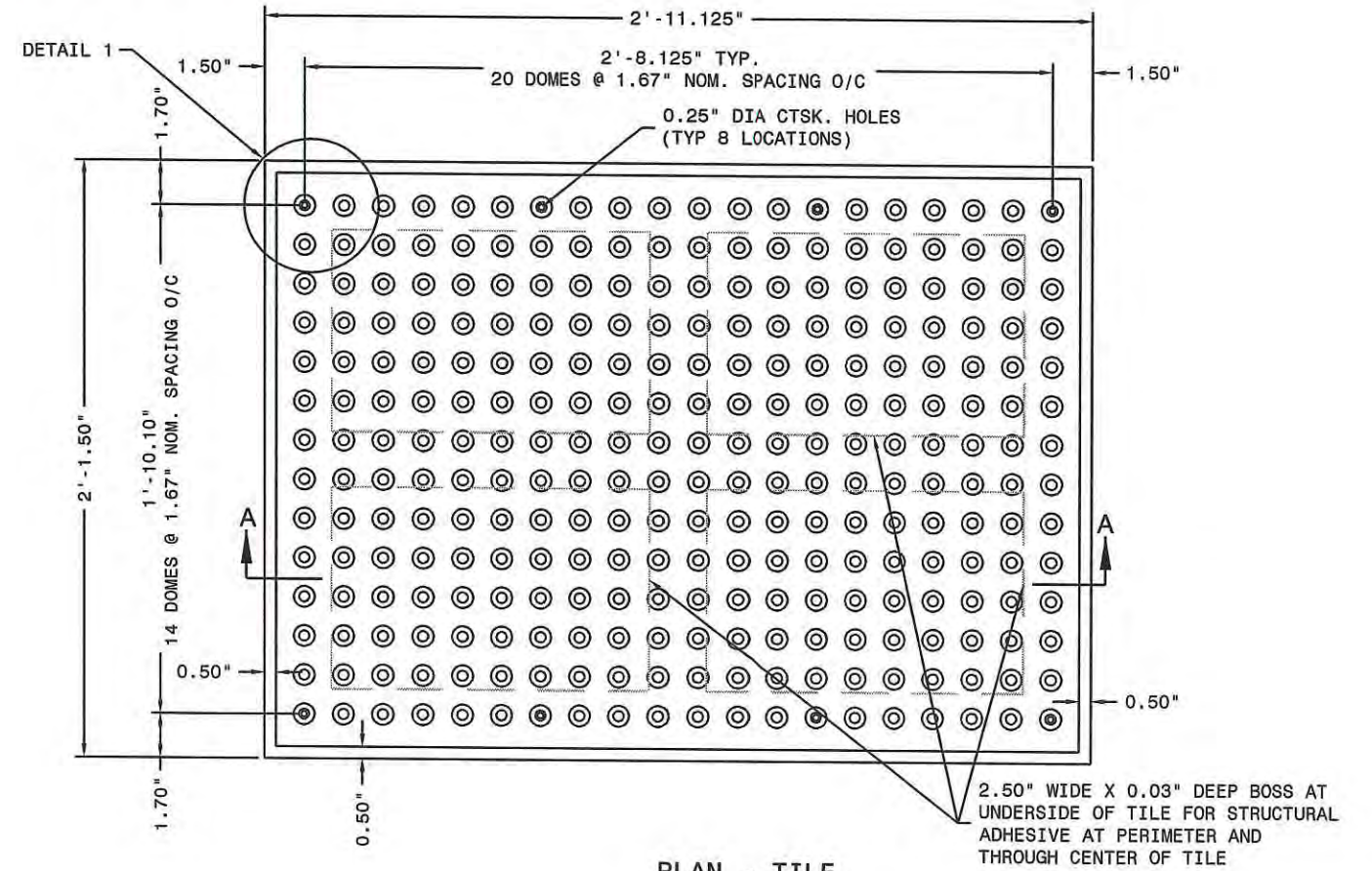
TILE PLAN

TRUNCATED DOME FASTENER LOCATION



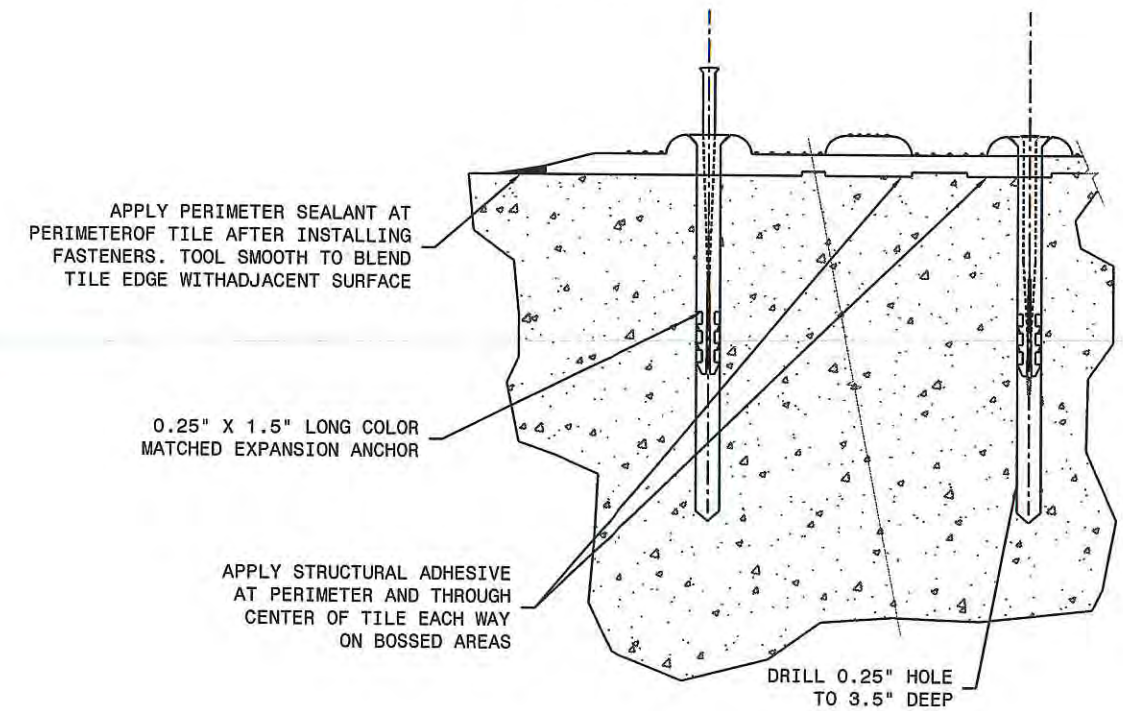
TILE SECTION

TRUNCATED DOME FASTENER LOCATION



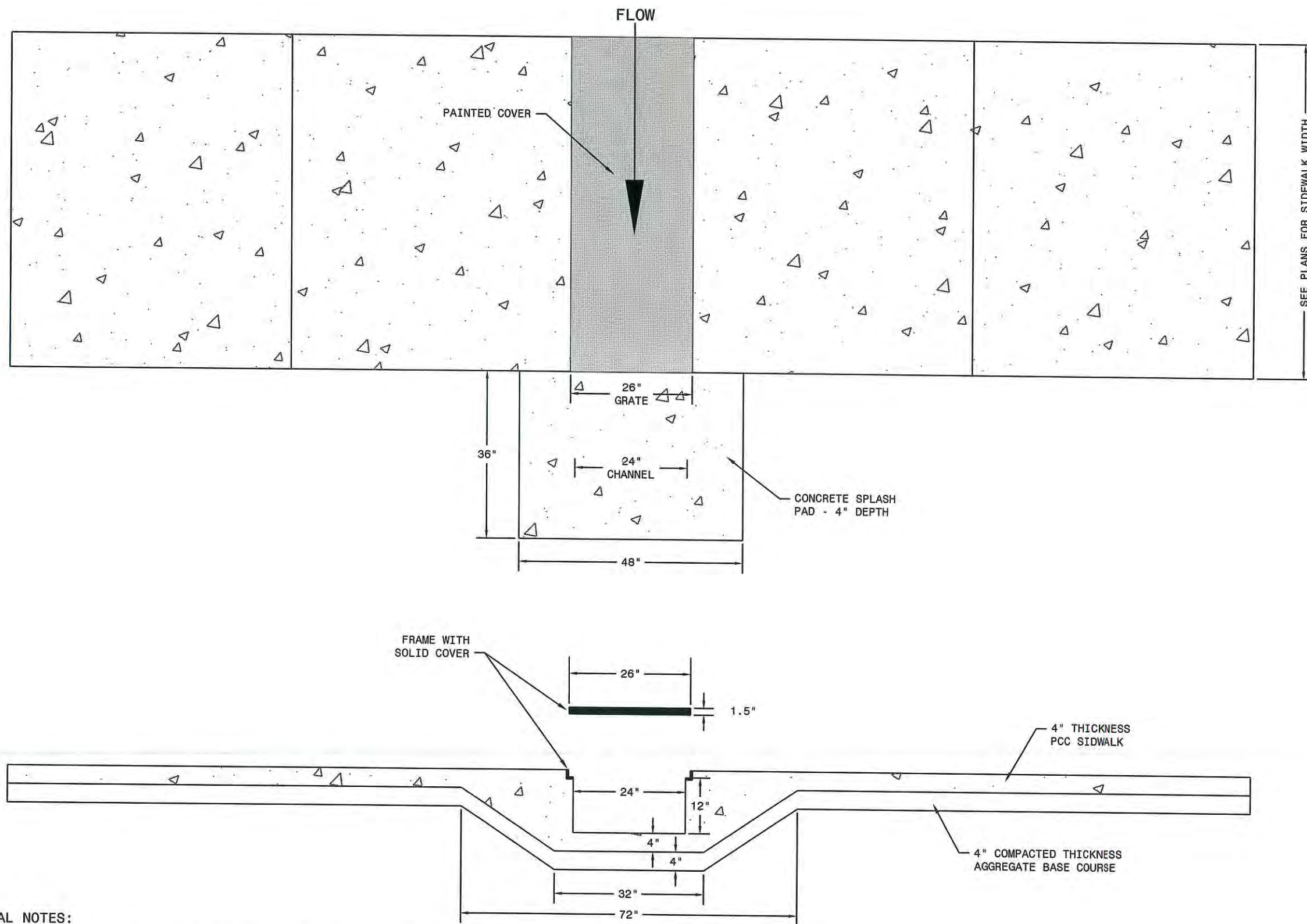
PLAN - TILE

2' X 3' PANEL SHOWN
OTHER SIZES AVAILABLE



INSTALLATION DETAIL
AT TILE PERIMETER

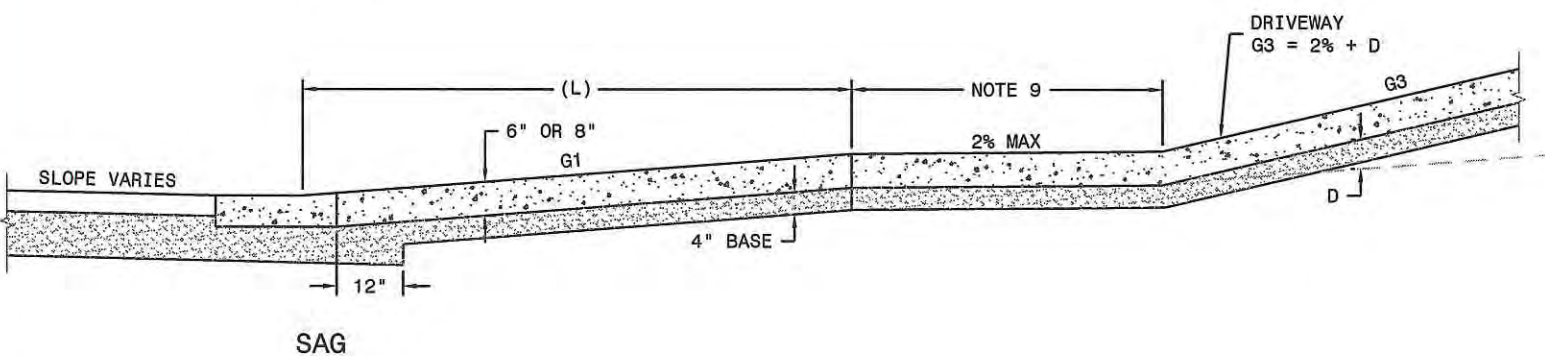
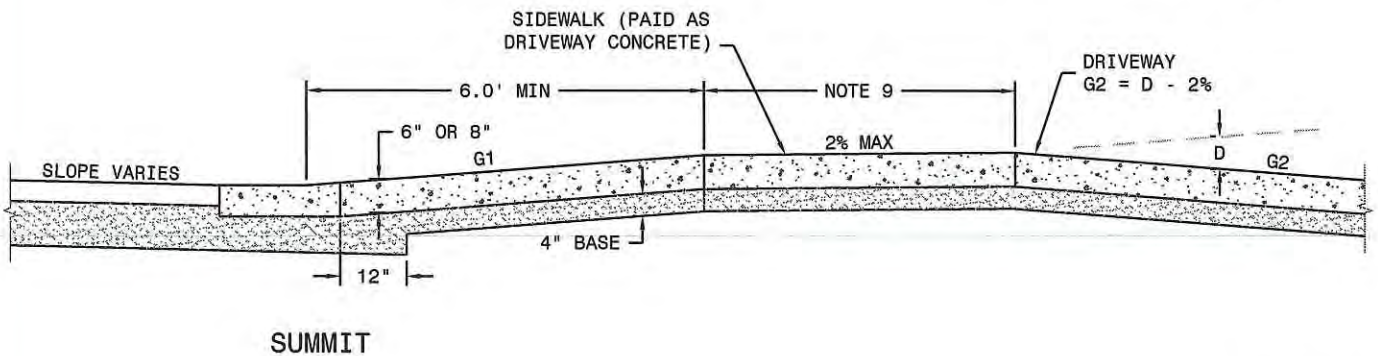
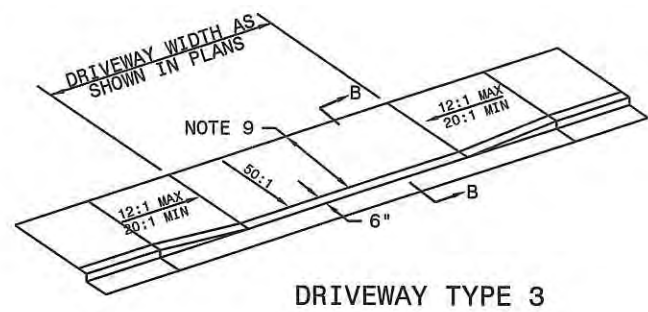
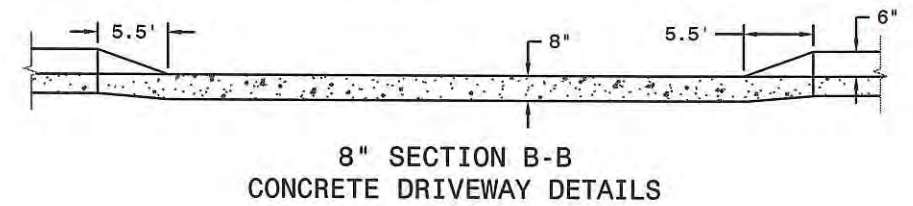
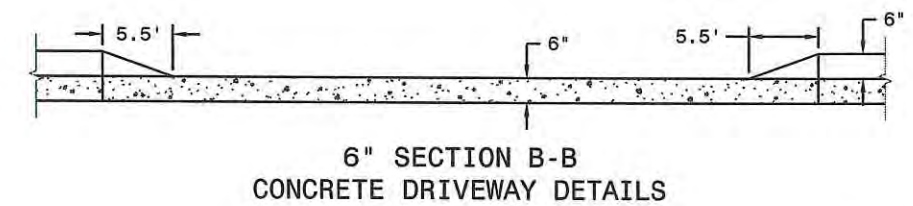
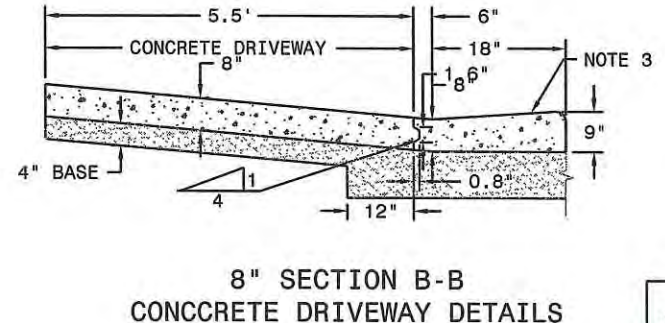
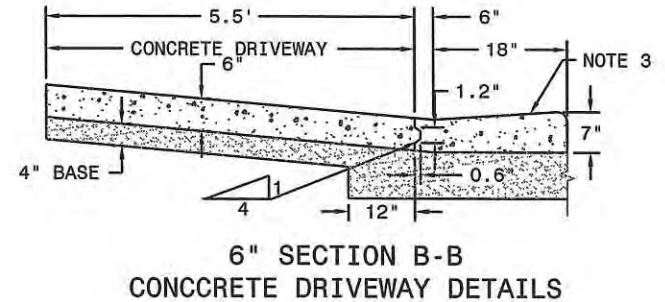
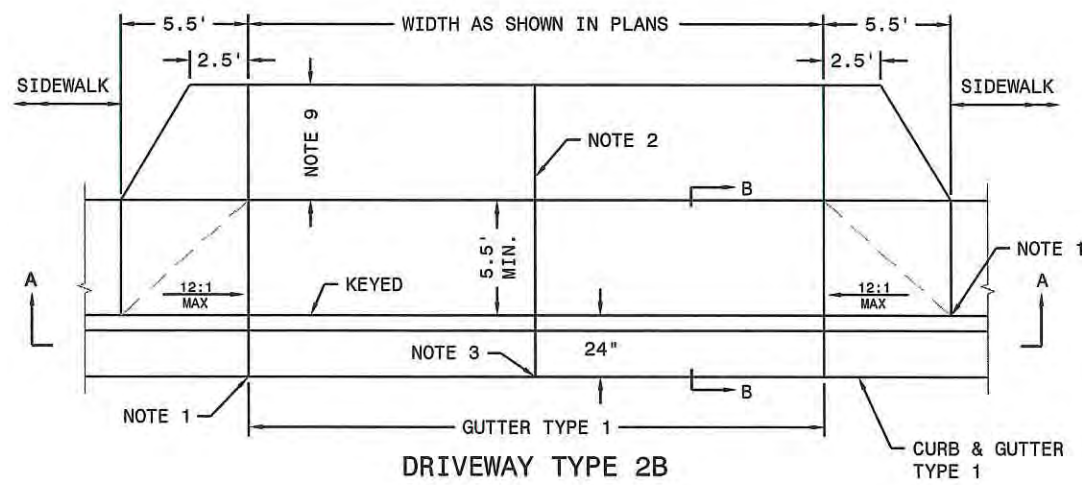
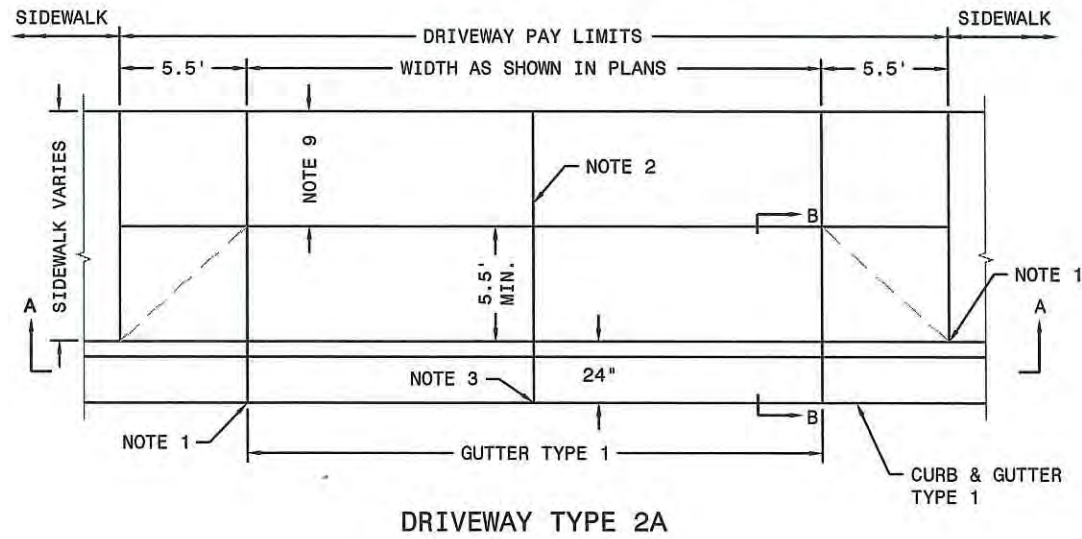
SIDEWALK TRENCH DRAIN



GENERAL NOTES:

1. THE COST OF THE COVER AND FRAME SHALL BE INCLUDED AND CONSIDERED INCIDENTAL TO THE PRICE BID FOR "FURNISH SIDEWALK TRENCH DRAIN".
2. THE INSTALLATION OF THE COVER AND FRAME SHALL BE INCLUDED AND CONSIDERED INCIDENTAL TO THE PRICE BID FOR "INSTALL SIDEWALK TRENCH DRAIN".
3. THE OUTLET OF THE SIDEWALK TRENCH DRAIN SHALL BE GRADED TO ASSURE POSITIVE DRAINAGE.
4. THE COVER SHALL BE PAINTED OR PRIMED A GREY COLOR. ALL COSTS ASSOCIATED WITH THE PAINT MATERIAL AND PAINTING PROCESS SHALL BE INCIDENTAL TO THE PRICE BID FOR "INSTALL SIDEWALK TRENCH DRAIN".
5. A CONCRETE SPALSH PAD AND THE FORMING OF THE CHANNEL SHALL BE INSTALLED AT THE OUTLET OF THE SIDEWALK TRENCH DRAIN. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THIS SPLASH PAD SHALL BE INCIDENTAL TO THE PRICE BID FOR "PCC SIDEWALK".

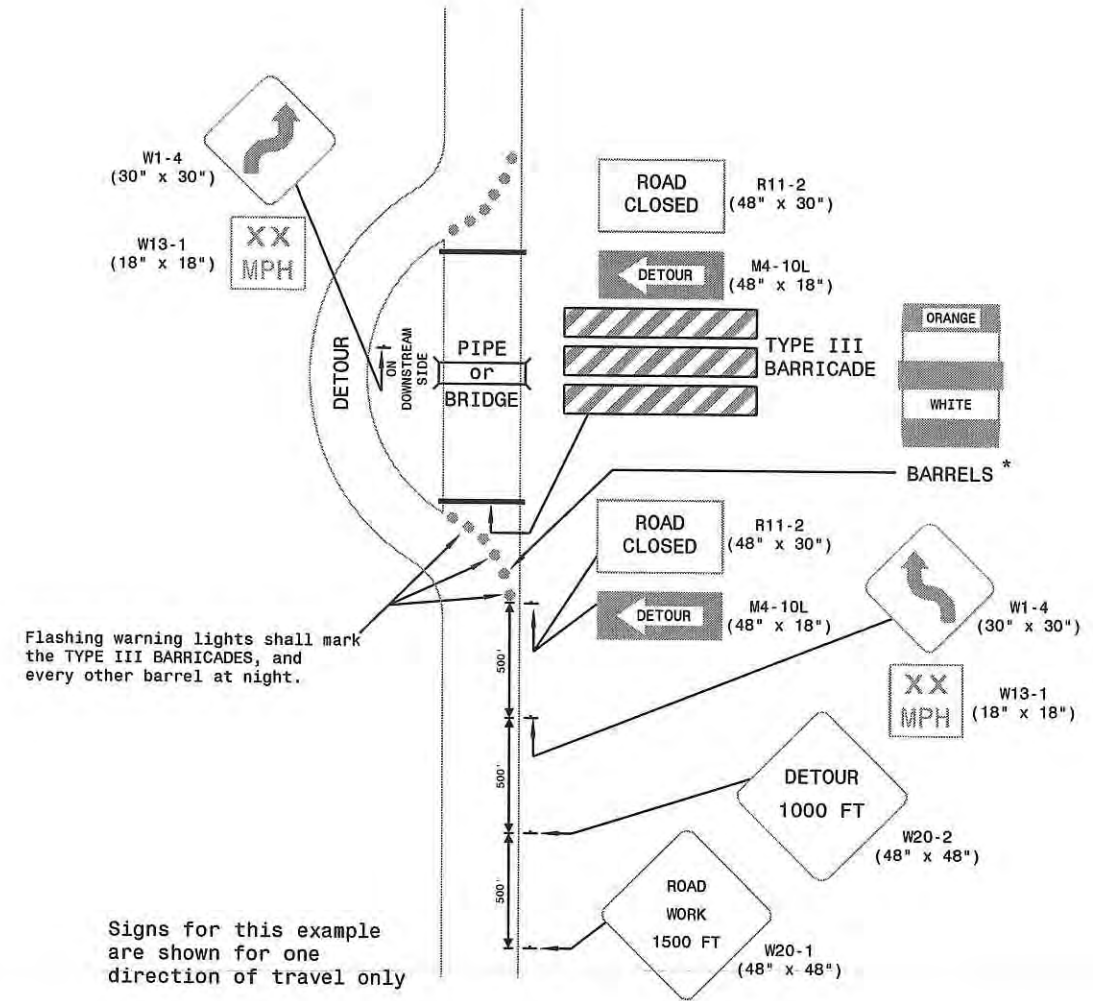
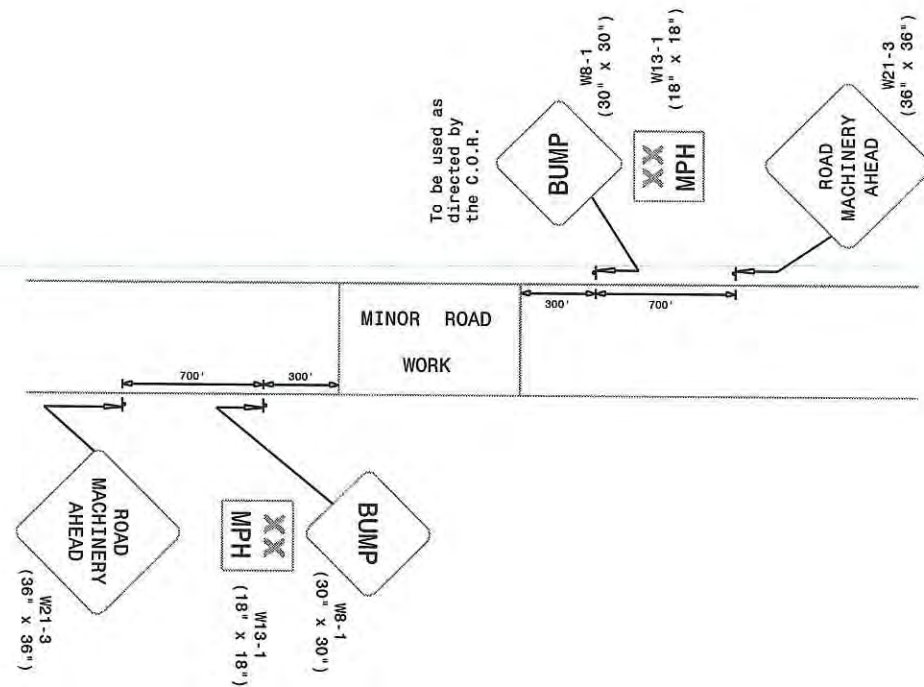
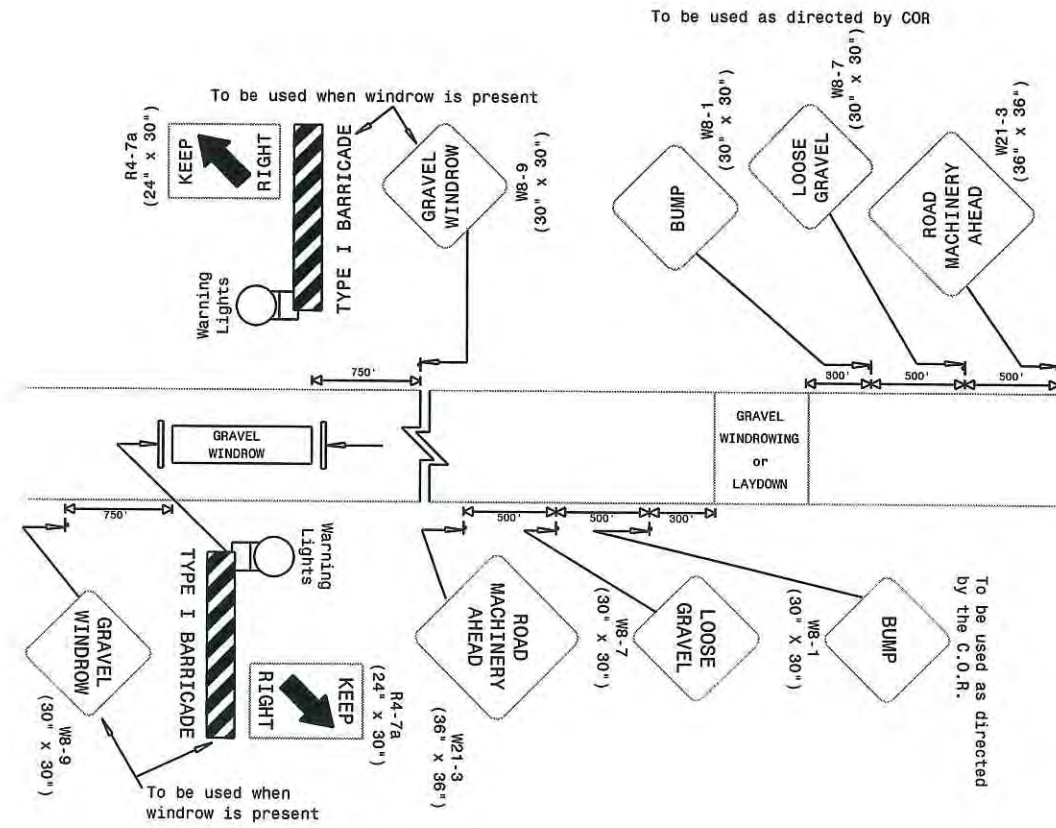
CONCRETE DRIVEWAY TYPE 2 AND 3 (URBAN)



DRIVEWAY ADT	GRADE G1		DIMENSION (L) ft.		GRADE CHANGES (D)	
	DESIRABLE	MAXIMUM	DESIRABLE	MAXIMUM	DESIRABLE	MAXIMUM
(0-500)	5%	12% OR CONTROLLED BY VEHICLE CLEARANCE	12	6	+ 6%	15% OR CONTROLLED BY VEHICLE CLEARANCE
(500-1500)	3%	8%	20	20	± 3%	± 6%
(>1500)	2%	5%	40	40	0%	± 3%

- NOTES:**
- ON BITUMINOUS PAVEMENTS PLACE A $\frac{3}{4}$ " ISOLATION JOINT FULL DEPTH AND THE SAME SHAPE AS THE CURB AND GUTTER. ON PCC PAVEMENTS THE CURB AND GUTTER JOINTS MATCH THOSE OF THE PAVEMENT.
 - JOINT SPACING: THE DRIVEWAY JOINT SPACING SHALL MATCH THE CURB AND GUTTER OR PCC PAVEMENT JOINT SPACING. THE JOINT MAY BE A KEYPED CONSTRUCTION JOINT, A SAWED, OR A GROOVED JOINT. THE JOINT DEPTH SHALL BE A MINIMUM OF $\frac{1}{3}$ THE DEPTH OF THE CONCRETE.
 - GUTTER-TYPE 1 SHALL BE PAID FOR AS THE UNIT PRICE BID FOR "PCC CURB AND GUTTER, TYPE 1"
 - 6" DRIVEWAY TO BE USED UNLESS OTHERWISE SPECIFIED.
 - ALL JOINTS SHALL BE SEALED. THE JOINT SEALANT SHALL BE LOW MODULUS SILICONE. THE SEALANT SHALL BE INSTALLED AND TOOLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - ALL COSTS FOR LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO CONSTRUCT AND SEAL JOINTS SHALL BE INCLUDED IN THE PRICE BID FOR THE DRIVEWAY.
 - 4" AGGREGATE BASE MATERIAL SHALL BE PLACED UNDER THE CONCRETE DRIVEWAY. ALL LABOR AND MATERIALS NECESSARY TO PLACE THE BASE MATERIAL SHALL BE INCLUDED IN THE PRICE BID FOR THE AGGREGATE BASE MATERIAL IN THE PLANS.
 - SIDEWALK THAT FALLS BEHIND A DRIVEWAY SHALL BE CONSTRUCTED TO THE SAME THICKNESS AS THE DRIVEWAY AND SHALL BE PAID FOR AS DRIVEWAY CONCRETE.
 - 5' IS DESIREABLE BUT IF 5' CANNOT BE USED, 4' IS THE MINIMUM ALLOWABLE WIDTH.

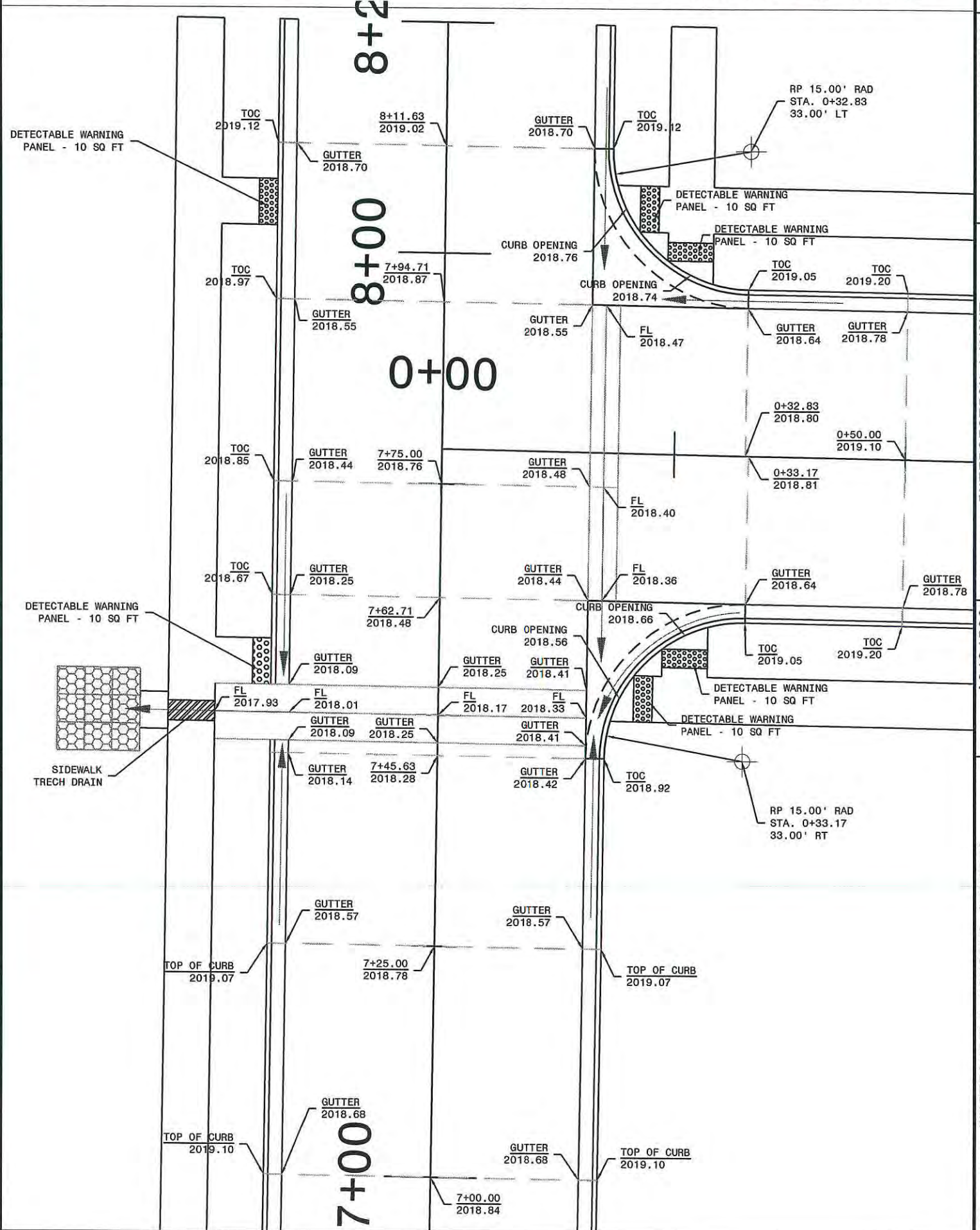
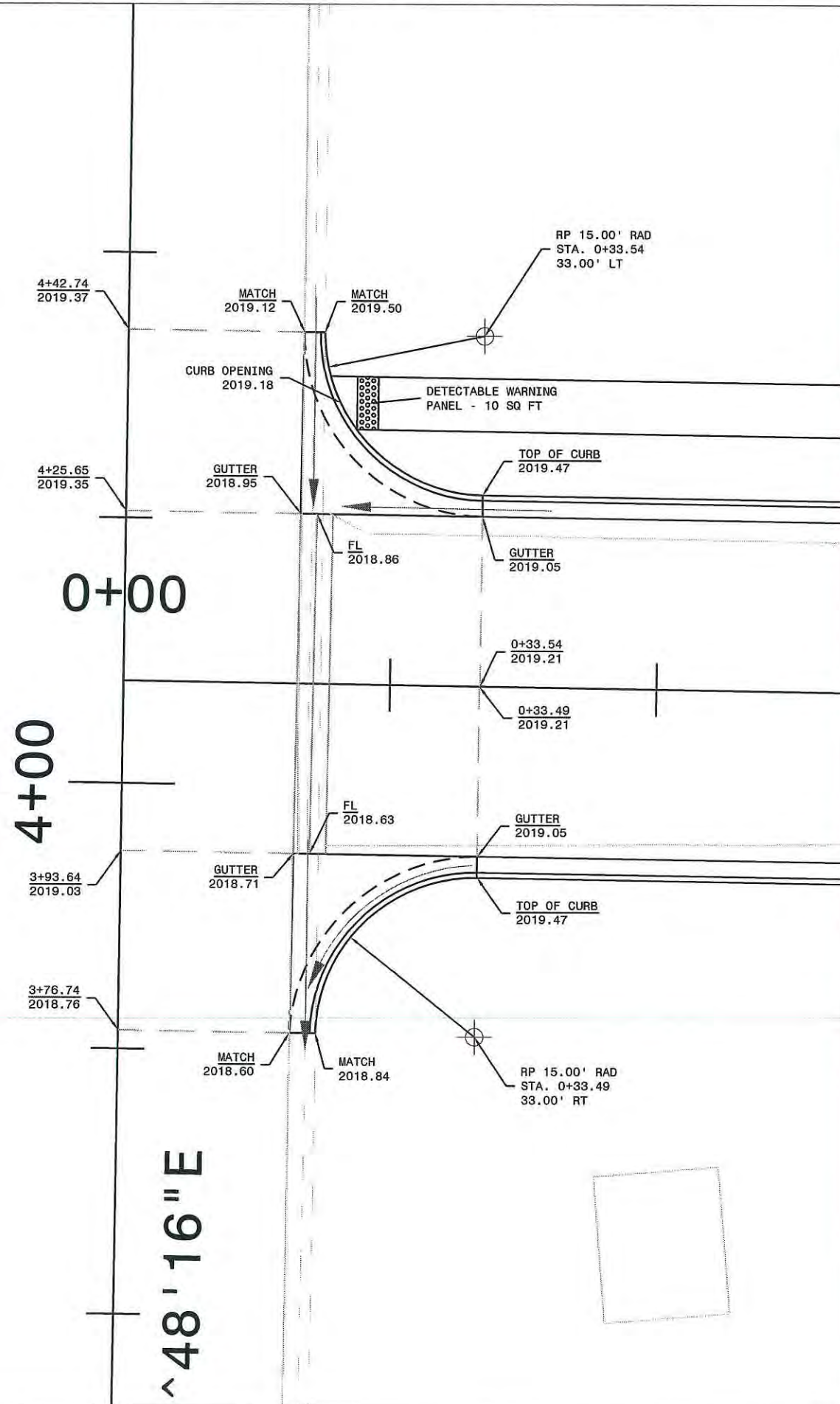
TYPICAL LAYOUT FOR WORK ZONE CONSTRUCTION SIGNS



* The barrels shall be subsidiary to the bid item 635.014, Barricade, type III.

N 1st SESAME ST & 1ST SESAME ST

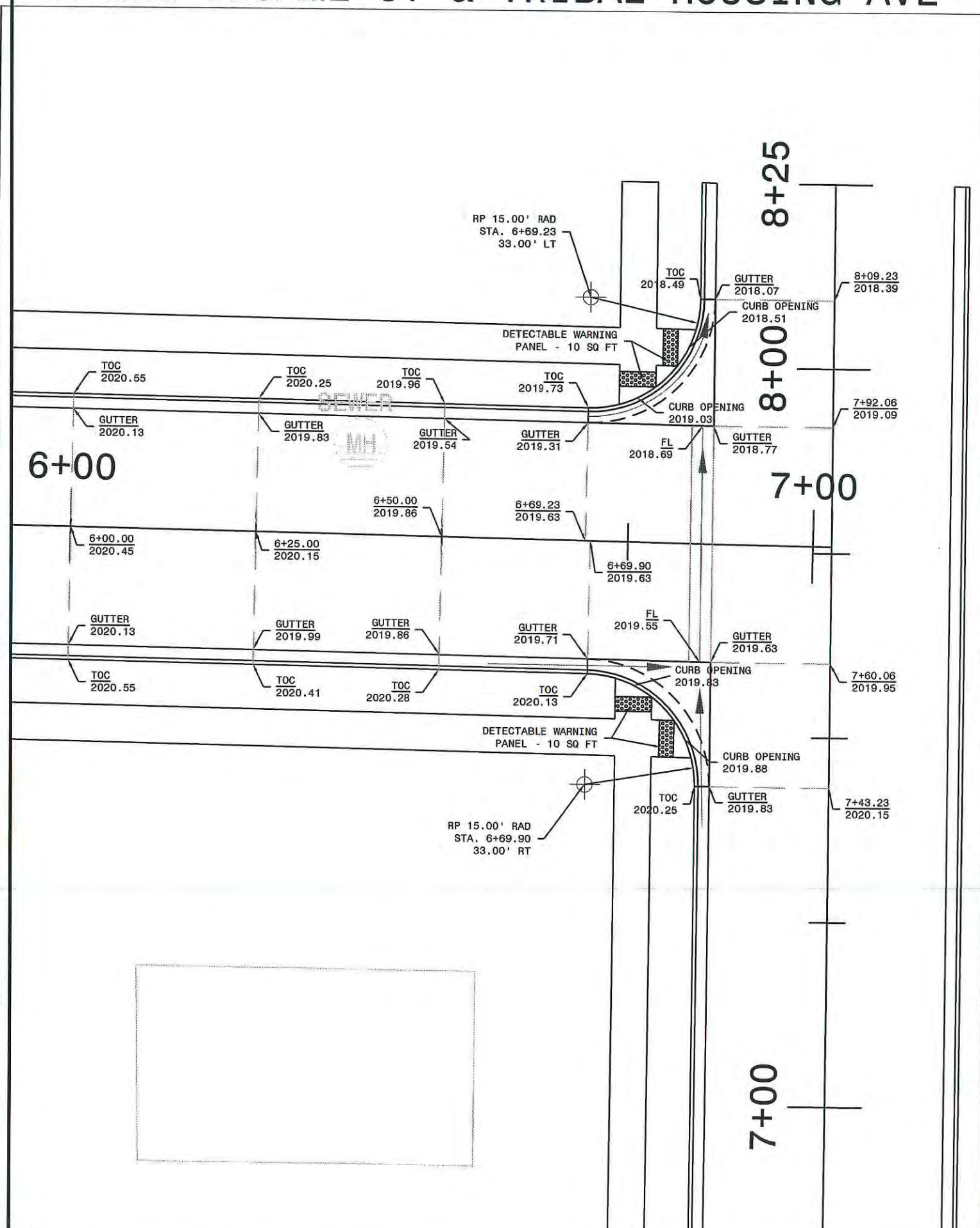
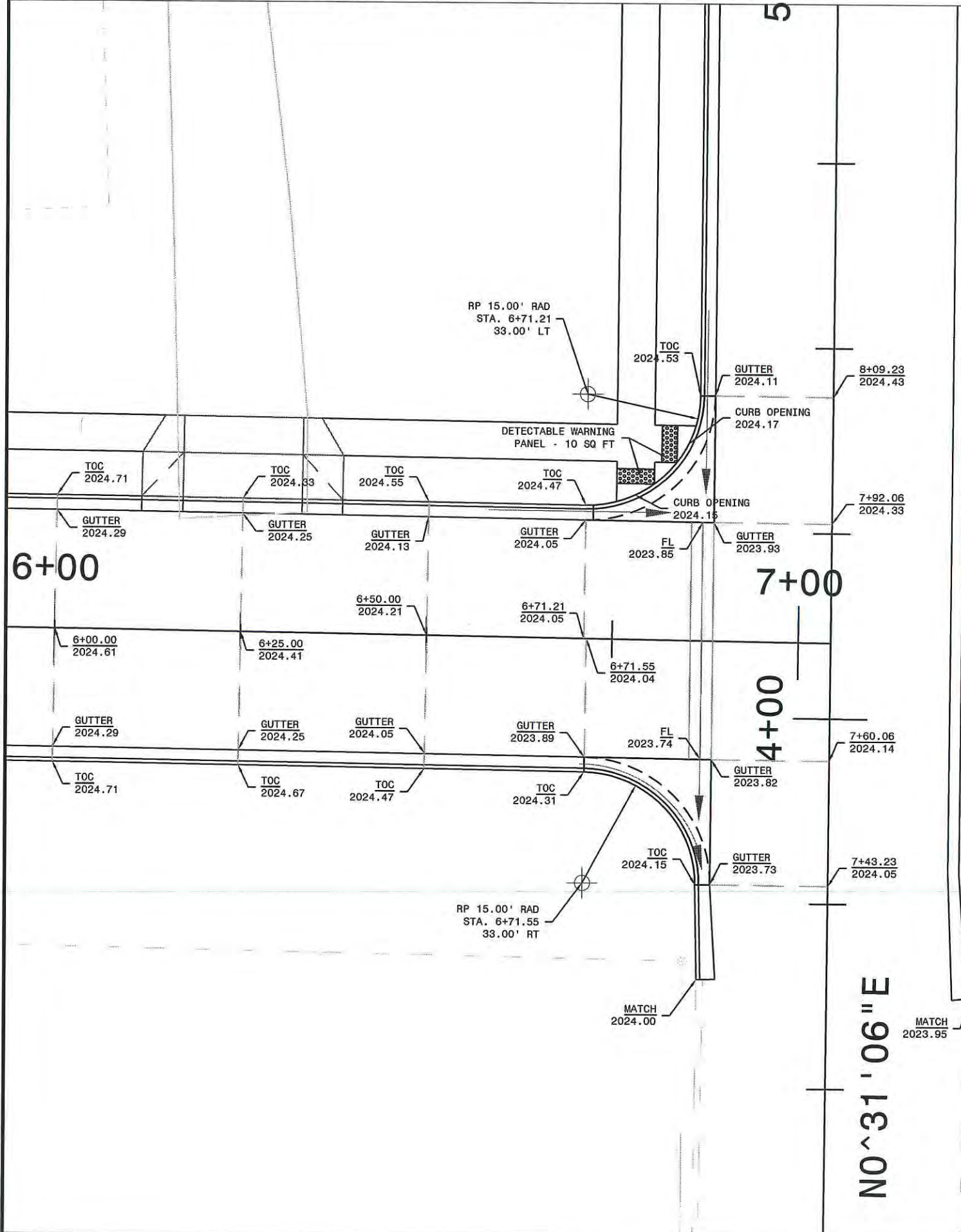
N 1st SESAME ST & TRIBAL HOUSING AVE



PROJECT NAME: WHITESHIELD HOUSING STREETS
 PCAS #: A0434500
 DESCRIPTION: INTERSECTION LAYOUT
 DATE REVISED: 09/08/2011 18 of 69

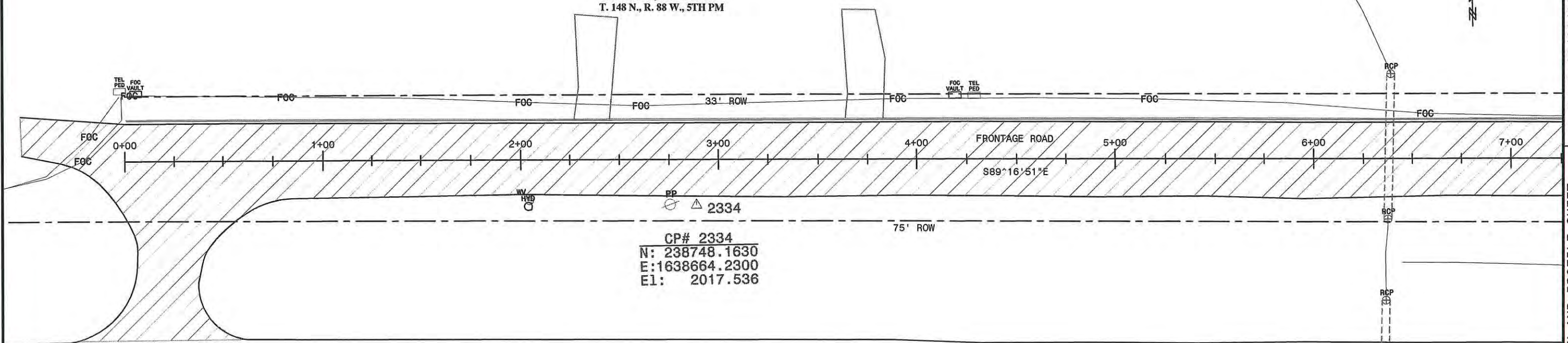
N 2nd SESAME ST & 1ST SESAME ST

N 2nd SESAME ST & TRIBAL HOUSING AVE



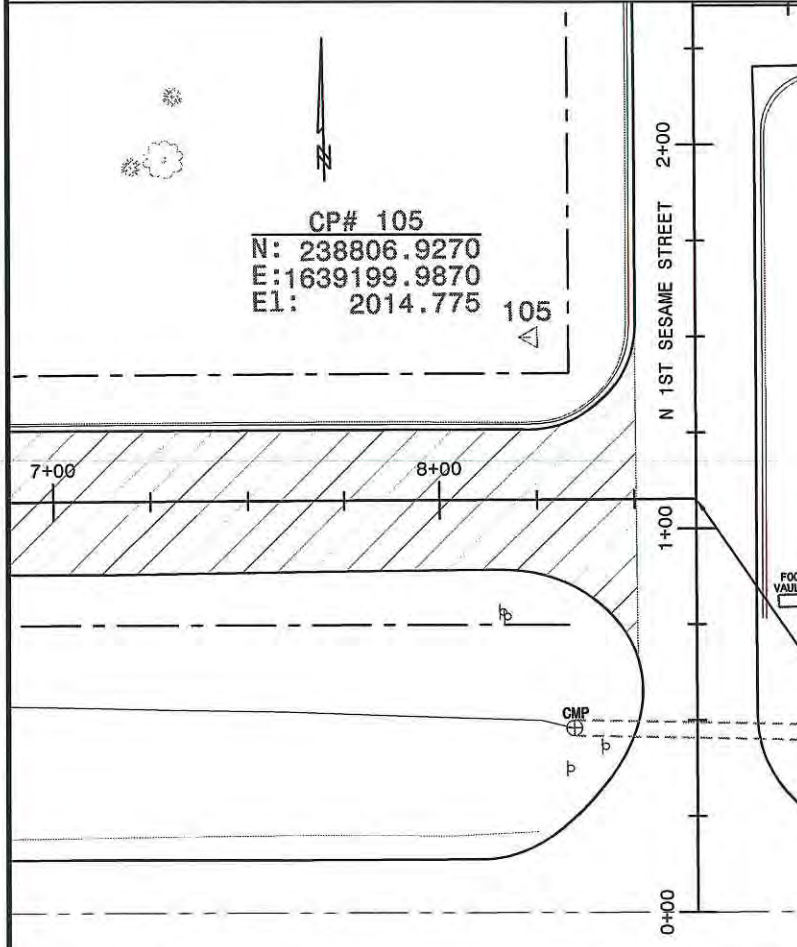
NO ~ 31' 06" E

TRACT #1 - ALLOT # 301 T 1246
THREE AFFILIATED TRIBES
S1/2SW1/4, SECTION 12
T. 148 N., R. 88 W., 5TH PM



CP# 2334
N: 238748.1630
E: 1638664.2300
E1: 2017.536

SECTION LINE



CP# 105
N: 238806.9270
E: 1639199.9870
E1: 2014.775

SALVAGE ASPHALT SURFACING FROM THE FOLLOWING LOCATIONS:
HATCHED AREA = 614.1 TON (3" DEPTH)

PLACE SALVAGED BASE MATERIAL:
DRIVEWAYS = 59.4 TON (LENGTH VARIES X 16' X 6" DEPTH)

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
HATCHED AREA = 659.3 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH
STA. 2+37 - LT
STA. 3+74 - LT
TOTAL DRIVEWAY = 195.6 SQ YARD

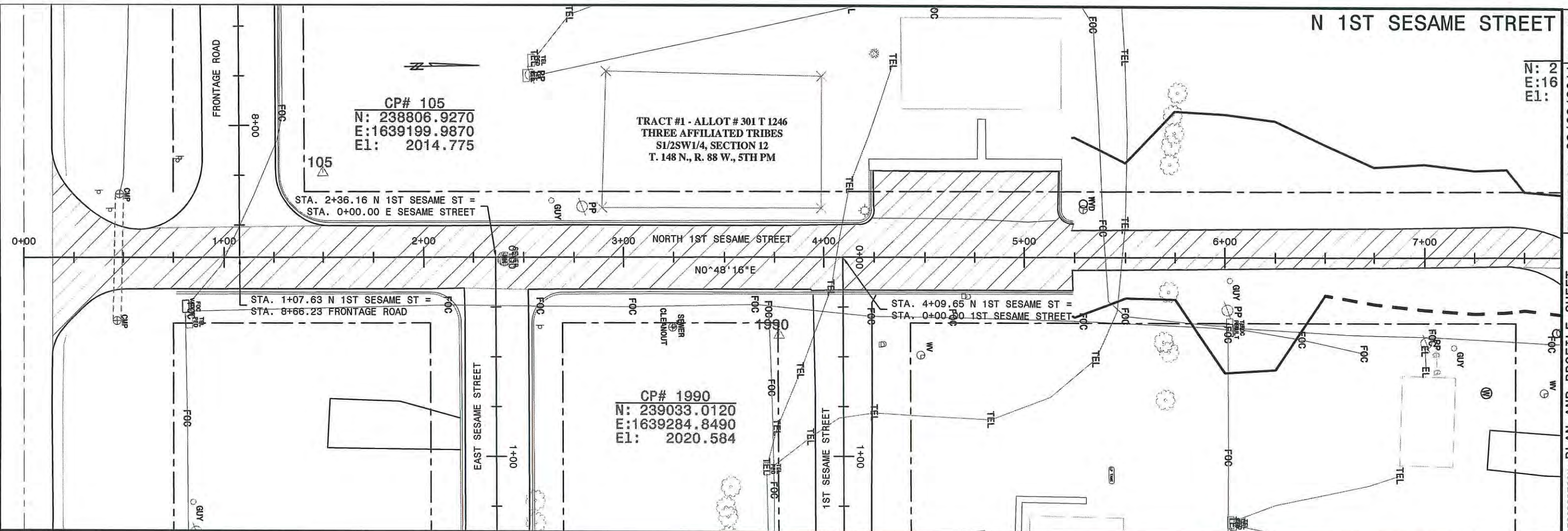
STA. 8+66.23 FRONTAGE STREET =
STA. 1+07.63 N 1ST SESAME STREET

CLEAN THE FOLLOWING CULVERTS IN PLACE:
STA. 6+38.00 - CL

CP# 105
N: 238806.9270
E: 1639199.9870
E1: 2014.775

TRACT #1 - ALLOT # 301 T 1246
THREE AFFILIATED TRIBES
S1/2SW1/4, SECTION 12
T. 148 N., R. 88 W., 5TH PM

CP# 1990
N: 239033.0120
E: 1639284.8490
E1: 2020.584

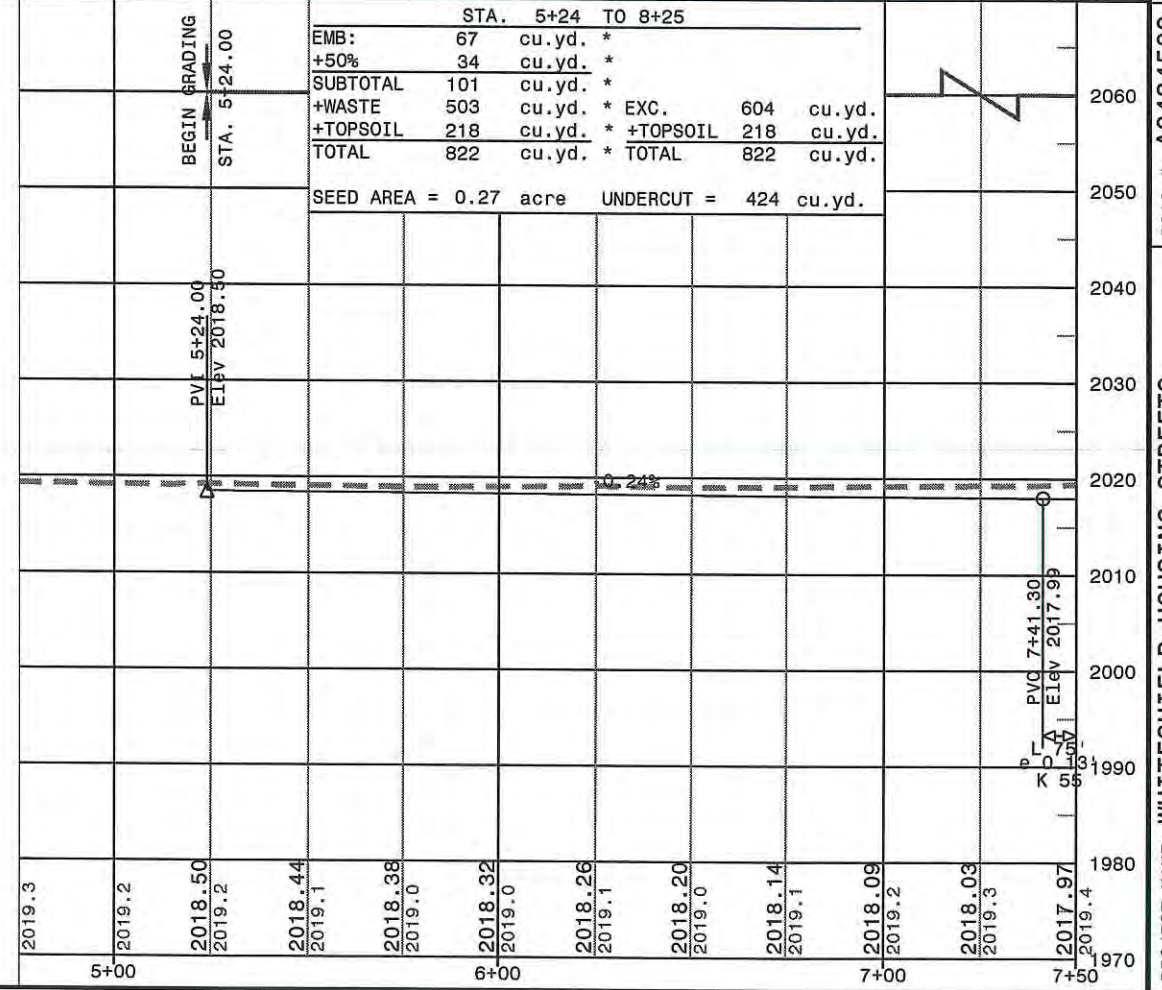


SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
 HATCHED AREA - STA. 0+14 TO 5+24 = 631.5 TON (6" DEPTH)
 HATCHED AREA - STA. 5+24 TO 7+78 = 124.7 TON (4" DEPTH)

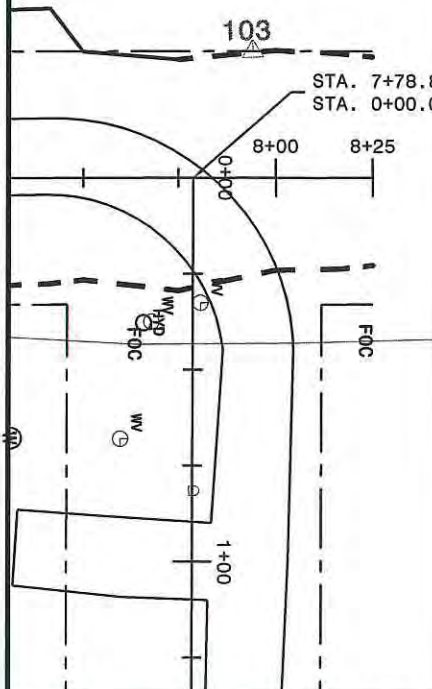
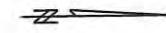
EXCAVATE AND WASTE SUBGRADE MATERIAL:
 HATCHED AREA - STA. 0+14 TO 5+24 = 151 CU YD (3" DEPTH)

PLACE SALVAGED BASE MATERIAL:
 STA. 0+14 TO 5+24 = 631.5 TON (32' WIDTH, 6" DEPTH)
 STA. 5+24 TO 8+25 = 386.0 TON (38' WIDTH, 6" DEPTH)
 SIDEWALK = 39.2 TON (352.1' X 5' X 0.33')

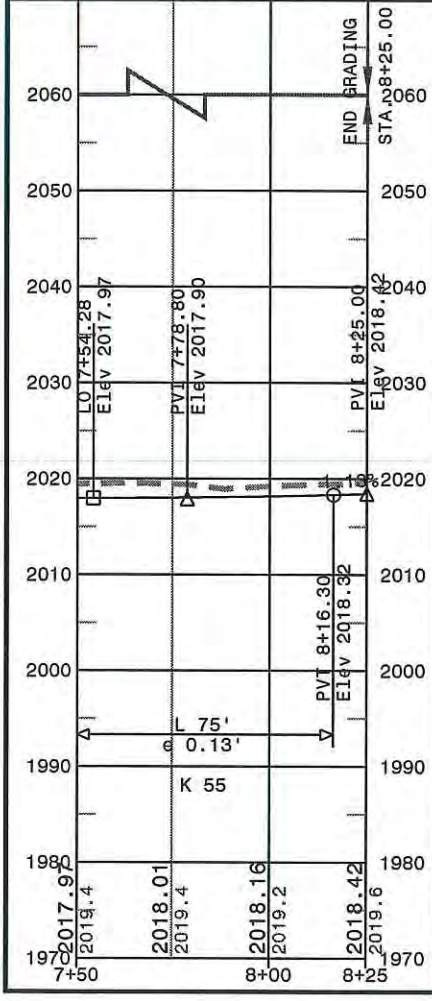
PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 STA. 0+14 TO 8+25 = 524.4 TON (3" DEPTH)



CP# 103
N: 239450.9350
E: 1639218.6150
E1: 2019.392



STA. 7+78.80 N 1ST SESAME ST =
STA. 0+00.00 TRIBAL HOUSING AVE



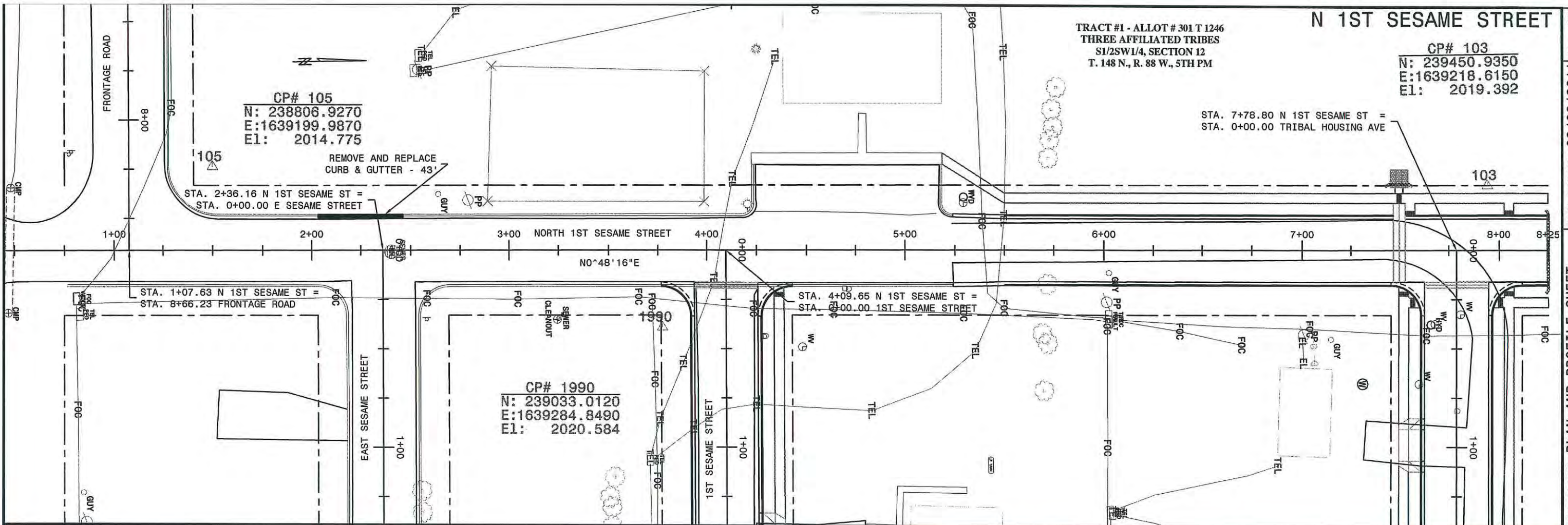
TRACT #1 - ALLOT # 301 T 1246
THREE AFFILIATED TRIBES
S1/2SW1/4, SECTION 12
T. 148 N., R. 88 W., 5TH PM

CP# 103
N: 239450.9350
E:1639218.6150
E1: 2019.392

CP# 105
N: 238806.9270
E:1639199.9870
E1: 2014.775

CP# 1990
N: 239033.0120
E:1639284.8490
E1: 2020.584

STA. 7+78.80 N 1ST SESAME ST =
STA. 0+00.00 TRIBAL HOUSING AVE



REMOVE CURB AND GUTTER FROM THE FOLLOWING LOCATIONS:
STA. 2+05.00 TO STA. 2+48.00 - LT = 43.00 LIN FT
(EXACT LOCATION TO BE DETERMINED IN THE FIELD)
STA. 3+76.74 TO STA. 4+42.74 - RT = 66.00 LIN FT

CLEAN THE FOLLOWING CULVERTS IN PLACE:
STA. 0+48.00 - CL

ADJUST THE FOLLOWING WATER VALVES:
STA. 5+29.28, 24.15' LT - +0.64'

ADJUST THE FOLLOWING FIRE HYDRANTS:
STA. 5+29.41, 27.05' LT - +0.64'

PLACE 12"Ø EXCELSIOR LOGS AT THE FOLLOWING LOCATIONS:
STA. 7+50.00 - LT = 12.00 LIN FT

PLACE 20"Ø EXCELSIOR LOGS AT THE FOLLOWING LOCATIONS:
STA. 8+25.00 - CL = 44.00 LIN FT

PLACE GABIONS AT THE FOLLOWING LOCATIONS:
STA. 7+50.00 - LT = 4.50 CU YD

PLACE GEOTEXTILE AT THE FOLLOWING LOCATIONS:
STA. 7+50.00 - LT = 16.00 SQ YD

PLACE 36" PCC WATERWAY AT THE FOLLOWING LOCATIONS:
STA. 3+93.64 TO STA. 4+25.64 - RT = 10.70 SQ YD
STA. 7+62.71 TO STA. 7+94.71 - RT = 10.70 SQ YD

PLACE 72" PCC WATERWAY AT THE FOLLOWING LOCATIONS:
STA. 7+50.00 - CL = 26.70 SQ YD

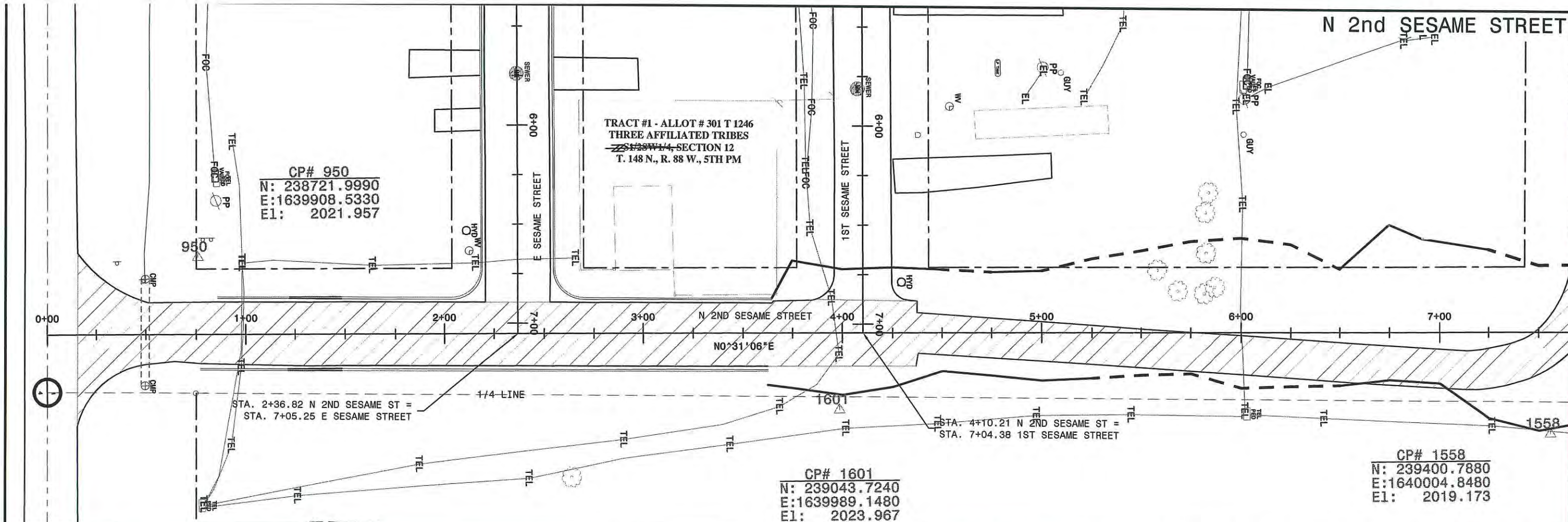
PLACE PCC CURB & GUTTER AT THE FOLLOWING LOCATIONS:
STA. 2+05.00 TO STA. 2+48.00 - LT = 43.00 LIN FT
STA. 5+24.00 TO STA. 7+47.00 - LT = 223.00 LIN FT
STA. 7+53.00 TO STA. 8+25.00 - LT = 72.00 LIN FT
STA. 5+24.00 TO STA. 7+45.62 - RT = 221.62 LIN FT
STA. 8+11.63 TO STA. 8+25.00 - RT = 13.37 LIN FT

PLACE PCC FILLET SECTIONS AT THE FOLLOWING LOCATIONS:
STA. 3+76.74 TO STA. 3+93.94 - RT = 13.10 SQ YD
STA. 4+25.64 TO STA. 4+42.74 - RT = 13.10 SQ YD
STA. 7+45.62 TO STA. 7+62.71 - RT = 13.10 SQ YD
STA. 7+94.71 TO STA. 8+11.63 - RT = 13.10 SQ YD

PLACE PCC SIDEWALK AT THE FOLLOWING LOCATIONS:
STA. 5+18.75 TO STA. 8+25.00 - LT = 179.94 SQ YD
STA. 7+96.80 TO STA. 8+25.00 - RT = 15.67 SQ YD

PLACE DETECTABLE WARNING PANELS AT THE FOLLOWING LOCATIONS:
STA. 7+52.30 - RT = 10.00 SQ FT
STA. 7+55.50 - LT = 10.00 SQ FT
STA. 7+56.80 - RT = 10.00 SQ FT
STA. 8+00.80 - RT = 10.00 SQ FT
STA. 8+05.30 - LT = 10.00 SQ FT
STA. 8+05.30 - RT = 10.00 SQ FT

PLACE SIDEWALK TRENCH DRAIN AT THE FOLLOWING LOCATIONS:
STA. 7+50.00 - LT = 1 EACH

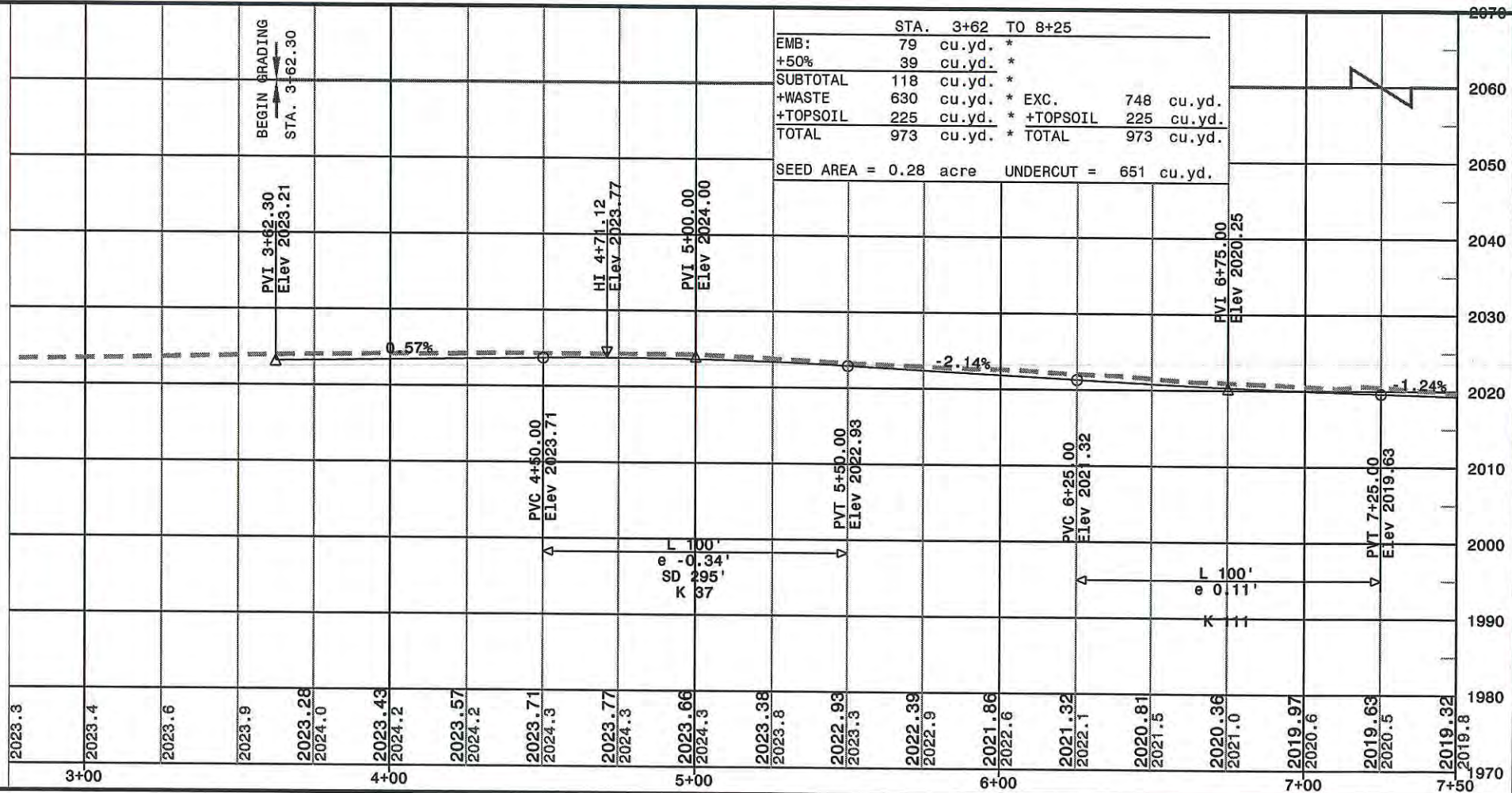


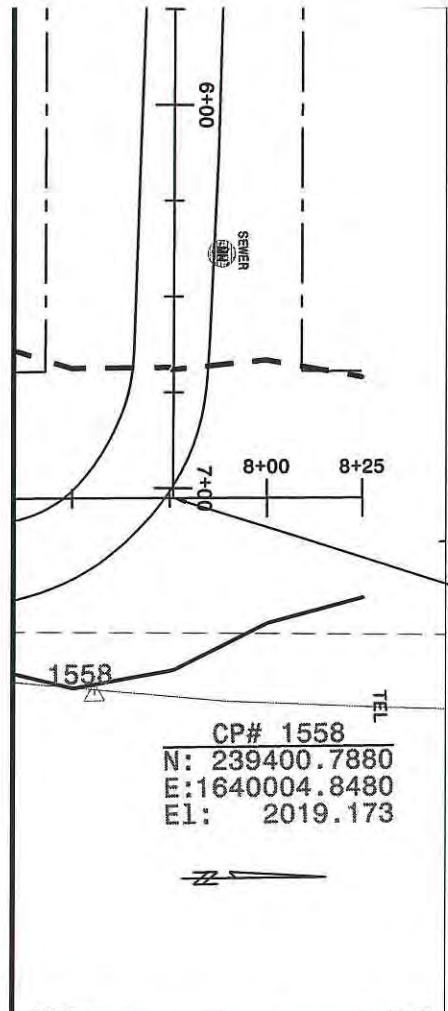
SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
 HATCHED AREA - STA. 0+14 TO 3+62 = 375.8 TON (6" DEPTH)
 HATCHED AREA - STA. 3+62 TO 7+76 = 188.0 TON (4" DEPTH)

EXCAVATE AND WASTE SUBGRADE:
 HATCHED AREA - STA. 0+14 TO 3+62 = 103 CU YD (3" DEPTH)

PLACE SALVAGED BASE MATERIAL:
 STA. 0+14 TO 3+62 = 375.8 TON (32' WIDTH, 6" DEPTH)
 STA. 3+62 TO 8+25 = 593.8 TON (38' WIDTH, 6" DEPTH)
 SIDEWALK = 40.1 TON (360.2' X 5' X 0.33')

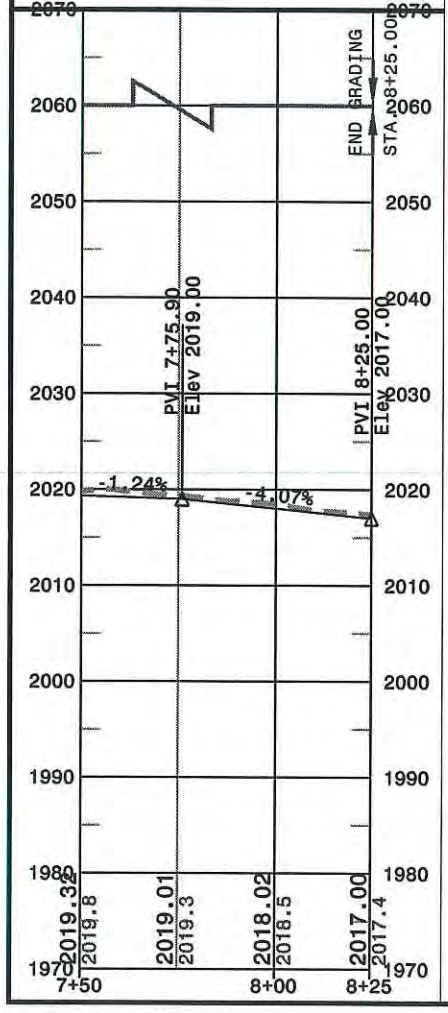
PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 STA. 0+14 TO 8+25 = 480.1 TON (3" DEPTH)

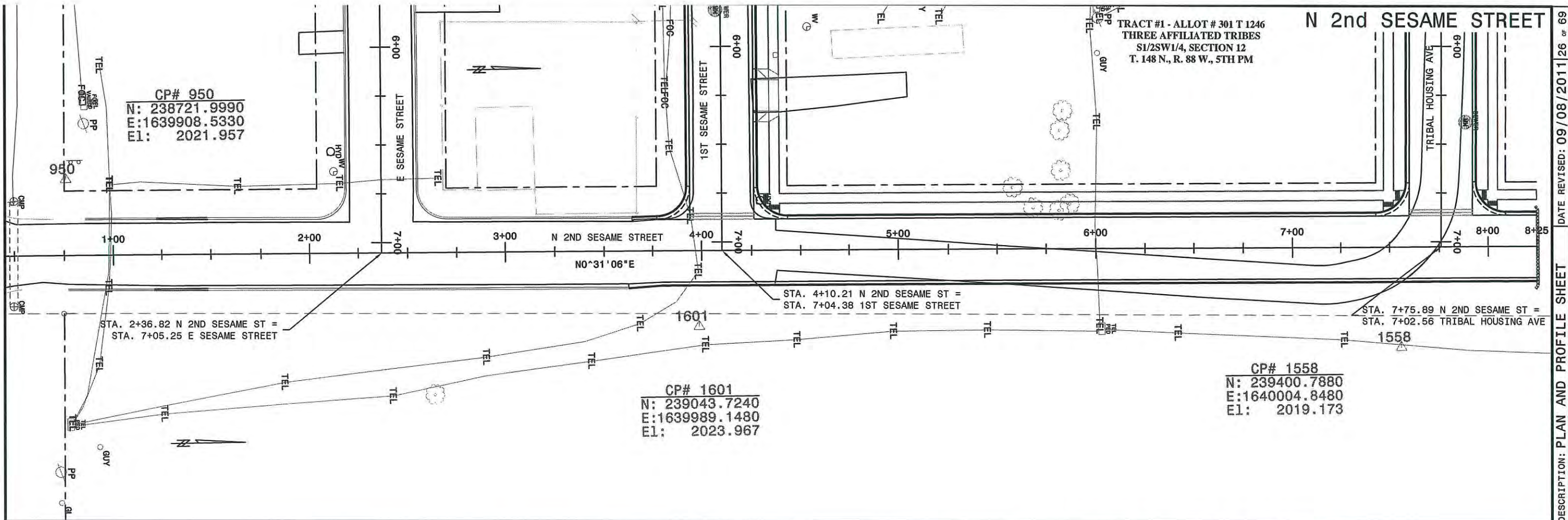




STA. 7+75.89 N 2ND SESAME ST =
 STA. 7+02.56 TRIBAL HOUSING AVE

CP# 1558
 N: 239400.7880
 E: 1640004.8480
 EL: 2019.173





CP# 950
 N: 238721.9990
 E: 1639908.5330
 E1: 2021.957

CP# 1601
 N: 239043.7240
 E: 1639989.1480
 E1: 2023.967

CP# 1558
 N: 239400.7880
 E: 1640004.8480
 E1: 2019.173

CLEAN THE FOLLOWING CULVERTS IN PLACE:
 STA. 0+50.00 - CL

PLACE 20"Ø EXCELSIOR LOGS AT THE FOLLOWING LOCATIONS:
 STA. 8+25.00 - CL = 44.00 LIN FT

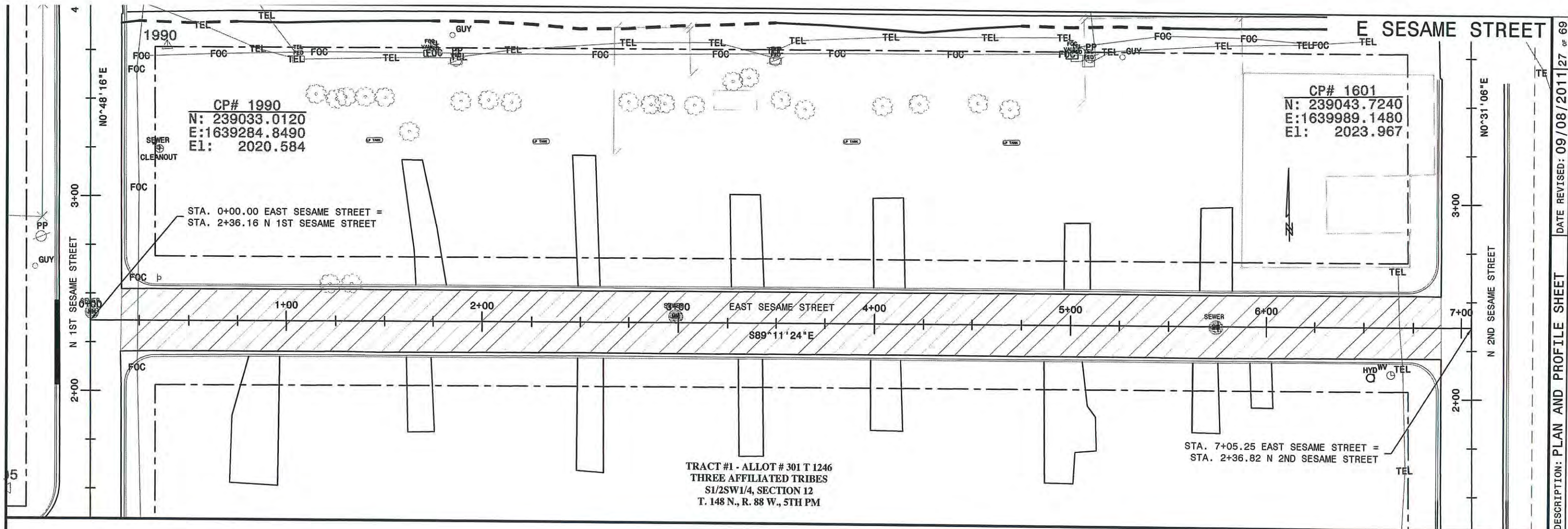
PLACE 36" PCC WATERWAY AT THE FOLLOWING LOCATIONS:
 STA. 3+94.29 TO STA. 4+26.29 - LT = 10.70 SQ YD
 STA. 7+60.06 TO STA. 7+92.06 - LT = 10.70 SQ YD

PLACE PCC CURB & GUTTER AT THE FOLLOWING LOCATIONS:
 STA. 3+62.30 TO STA. 3+77.38 - LT = 15.08 LIN FT
 STA. 3+62.30 TO STA. 8+25.00 - RT = 462.70 LIN FT
 STA. 4+43.38 TO STA. 7+43.23 - LT = 299.85 LIN FT
 STA. 8+09.23 TO STA. 8+25.00 - LT = 15.77 LIN FT

PLACE PCC FILLET SECTIONS AT THE FOLLOWING LOCATIONS:
 STA. 3+77.38 TO STA. 3+94.29 - LT = 13.10 SQ YD
 STA. 4+26.29 TO STA. 4+43.38 - LT = 13.10 SQ YD
 STA. 7+43.23 TO STA. 7+60.06 - LT = 13.10 SQ YD
 STA. 7+92.06 TO STA. 8+09.23 - LT = 13.10 SQ YD

PLACE PCC SIDEWALK AT THE FOLLOWING LOCATIONS:
 STA. 4+28.52 TO STA. 7+58.05 - LT = 183.07 SQ YD
 STA. 7+94.36 TO STA. 8+25.00 - LT = 17.02 SQ YD

PLACE DETECTABLE WARNING PANELS AT THE FOLLOWING LOCATIONS:
 STA. 4+32.21 - LT = 10.00 SQ FT
 STA. 4+36.71 - LT = 10.00 SQ FT
 STA. 7+49.39 - LT = 10.00 SQ FT
 STA. 7+53.89 - LT = 10.00 SQ FT
 STA. 7+97.89 - LT = 10.00 SQ FT
 STA. 8+02.39 - LT = 10.00 SQ FT



CP# 1990
 N: 239033.0120
 E: 1639284.8490
 E1: 2020.584

CP# 1601
 N: 239043.7240
 E: 1639989.1480
 E1: 2023.967

STA. 0+00.00 EAST SESAME STREET =
 STA. 2+36.16 N 1ST SESAME STREET

STA. 7+05.25 EAST SESAME STREET =
 STA. 2+36.82 N 2ND SESAME STREET

TRACT #1 - ALLOT # 301 T 1246
 THREE AFFILIATED TRIBES
 S1/2SW1/4, SECTION 12
 T. 148 N., R. 88 W., 5TH PM

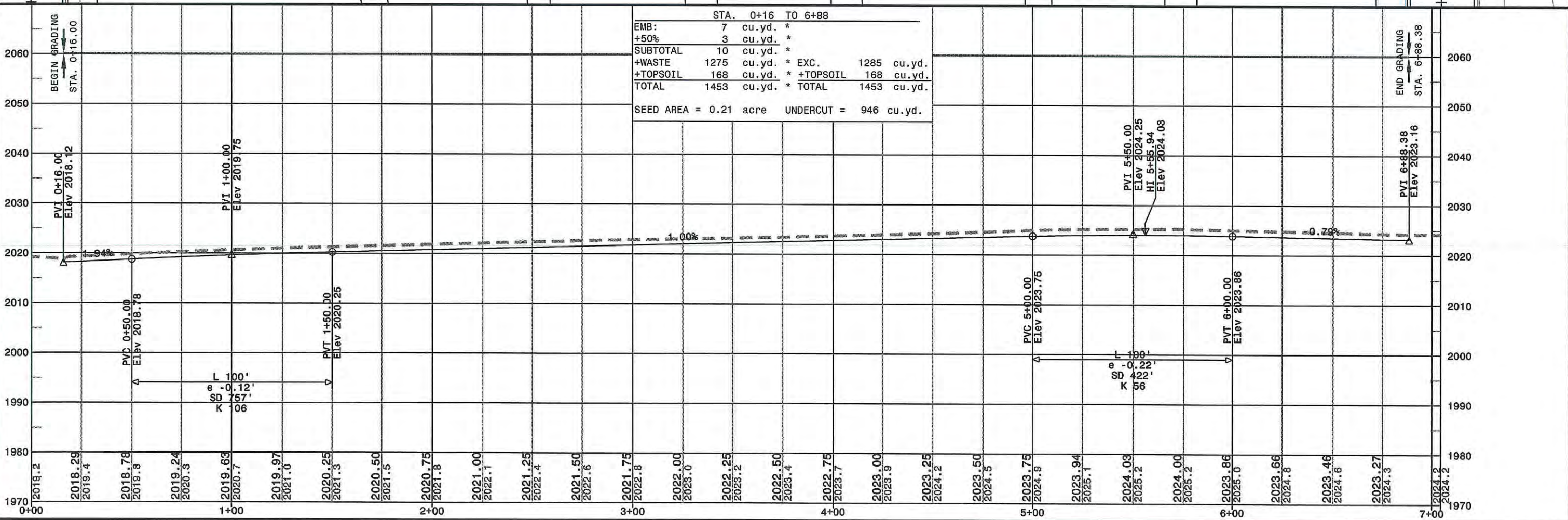
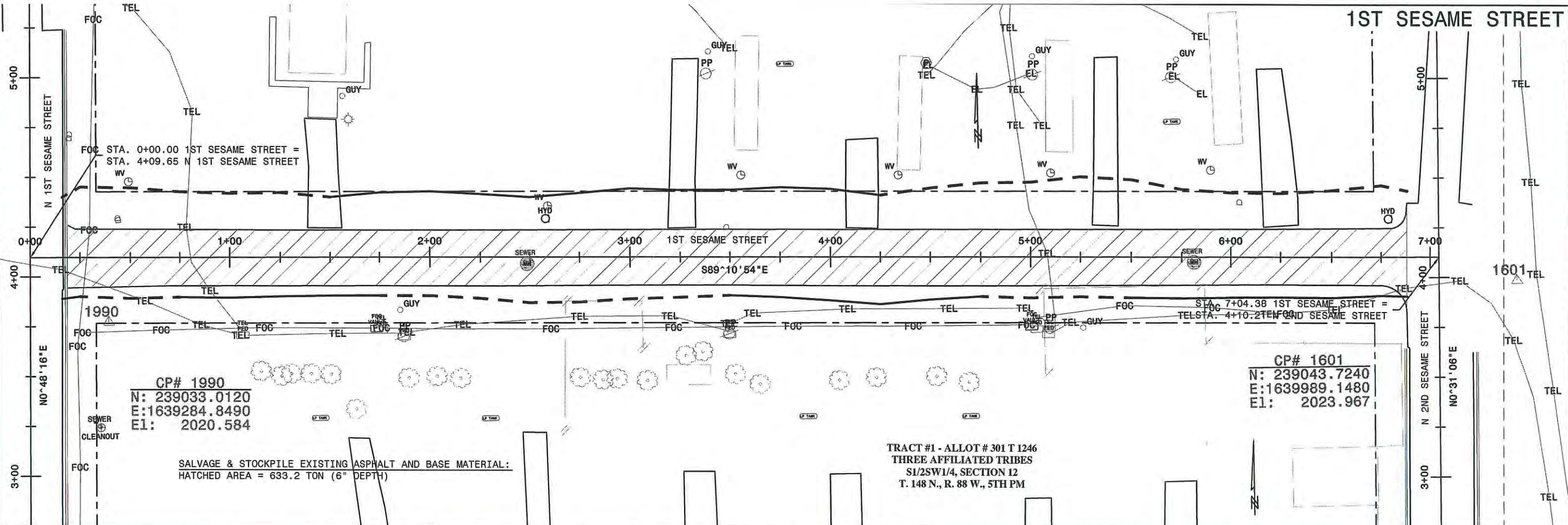
SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
 HATCHED AREA = 727.9 TON (6" DEPTH)

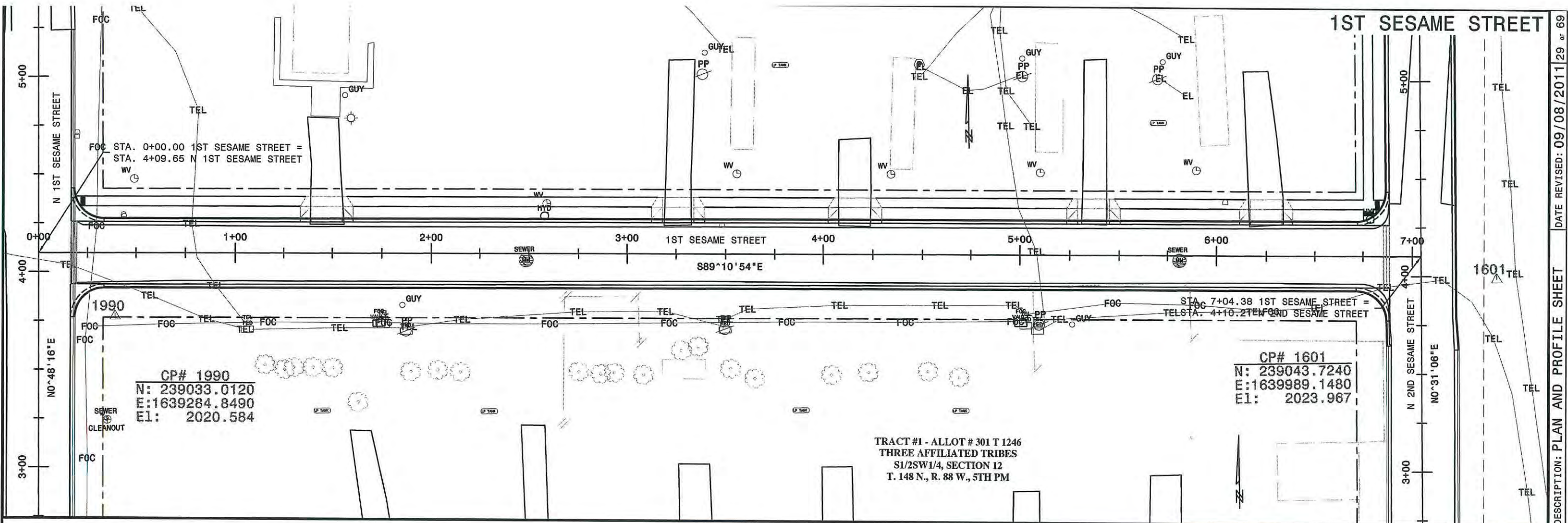
EXCAVATE AND WASTE SUBGRADE:
 HATCHED AREA = 200.0 CU YD (3" DEPTH)

PLACE SALVAGED BASE MATERIAL:
 HATCHED AREA = 727.9 TON (6" DEPTH)
 DRIVEWAYS = 415.3 TON (LENGTH VARIES X 16' X 0.5')

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 HATCHED AREA = 399.0 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH
 STA. 0+88 - RT
 STA. 1+68 - RT
 STA. 1+74 - LT
 STA. 2+56 - LT & RT
 STA. 3+37 - LT & RT
 STA. 4+07 - LT & RT
 STA. 4+97 - RT
 STA. 5+03 - LT
 STA. 5+69 - RT
 STA. 5+74 - LT
 STA. 5+97 - RT
 TOTAL DRIVEWAY = 1072.0 SQ YARD





REMOVE & RESET MAILBOXES FROM THE FOLLOWING LOCATIONS:
 STA. 0+43.50 - LT - 2 EACH
 STA. 3+48.50 - LT - 1 EACH
 STA. 6+04.50 - LT - 1 EACH

ADJUST THE FOLLOWING MANHOLES:
 STA. 2+48.55, 3.49' RT - -0.49'
 STA. 5+81.13, 2.73' RT - -0.49'

PLACE PCC CURB & GUTTER AT THE FOLLOWING LOCATIONS:
 STA. 0+33.54 TO STA. 6+71.21 - LT = 637.67 LIN FT
 STA. 0+33.49 TO STA. 6+71.55 - RT = 638.06 LIN FT

REMOVE & RESET WOVEN WIRE FENCE FROM THE FOLLOWING LOCATIONS:
 STA. 2+68.00 TO STA. 3+06.00 - RT = 48.00 LIN FT
 STA. 5+06.00 TO STA. 5+87.00 - RT = 101.00 LIN FT

ADJUST THE FOLLOWING WATER VALVES:
 STA. 2+59.10, 25.73' LT - -0.36'

PLACE SALVAGED BASE MATERIAL:
 STA. 0+16 TO 6+88 = 862.0 TON (38' WIDTH, 6" DEPTH)

RELOCATE THE FOLLOWING FIRE HYDRANTS:
 STA. 6+78.65, 19.20' LT TO STA. 6+68.00, 20.50' LT

PLACE AGGREGATE BASE, GRADING NDDOT CLASS 5:
 SIDEWALK = 64.4 TON (561.7' X 5' X 0.33')
 DRIVEPADS = 49.1 TON (5 @ 27' X 11' X 0.50')
 DRIVEWAYS = 102.8 TON (LENGTH VARIES X 16' X 0.33')

PLACE PCC SIDEWALK AT THE FOLLOWING LOCATIONS:
 STA. 0+19.00 TO STA. 1+36.50 - LT = 65.28 SQ YD
 STA. 1+57.50 TO STA. 3+15.50 - LT = 87.78 SQ YD
 STA. 3+36.50 TO STA. 4+05.50 - LT = 38.33 SQ YD
 STA. 4+26.50 TO STA. 5+26.50 - LT = 55.56 SQ YD
 STA. 5+47.50 TO STA. 6+14.50 - LT = 37.22 SQ YD
 STA. 6+35.50 TO STA. 6+85.70 - LT = 27.89 SQ YD

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 STA. 0+16 TO 6+88 = 396.6 TON (3" DEPTH)

PLACE DETECTABLE WARNING PANELS AT THE FOLLOWING LOCATIONS:
 STA. 0+22.50 - LT = 10.00 SQ FT

PLACE ASPHALT DRIVEWAY, 3" DEPTH
 STA. 1+47 - LT
 STA. 3+36 - LT
 STA. 4+16 - LT
 STA. 5+37 - LT
 STA. 6+25 - LT
 TOTAL DRIVEWAY = 497.8 SQ YARD

PLACE 16' PCC DRIVEPAD AT THE FOLLOWING LOCATIONS:
 STA. 1+47.00 - LT = 31.40 SQ YD
 STA. 3+36.00 - LT = 31.40 SQ YD
 STA. 4+16.00 - LT = 31.40 SQ YD
 STA. 5+37.00 - LT = 31.40 SQ YD
 STA. 6+25.00 - LT = 31.40 SQ YD

1ST SESAME STREET

DATE REVISED: 09/08/2011 | 29 of 69
 DESCRIPTION: PLAN AND PROFILE SHEET
 PCAS #: A0434500
 PROJECT NAME: WHITESHIELD HOUSING STREETS

TRACT #1 - ALLOT # 301 T 1246
 THREE AFFILIATED TRIBES
 S1/2SW1/4, SECTION 12
 T. 148 N., R. 88 W., 5TH PM

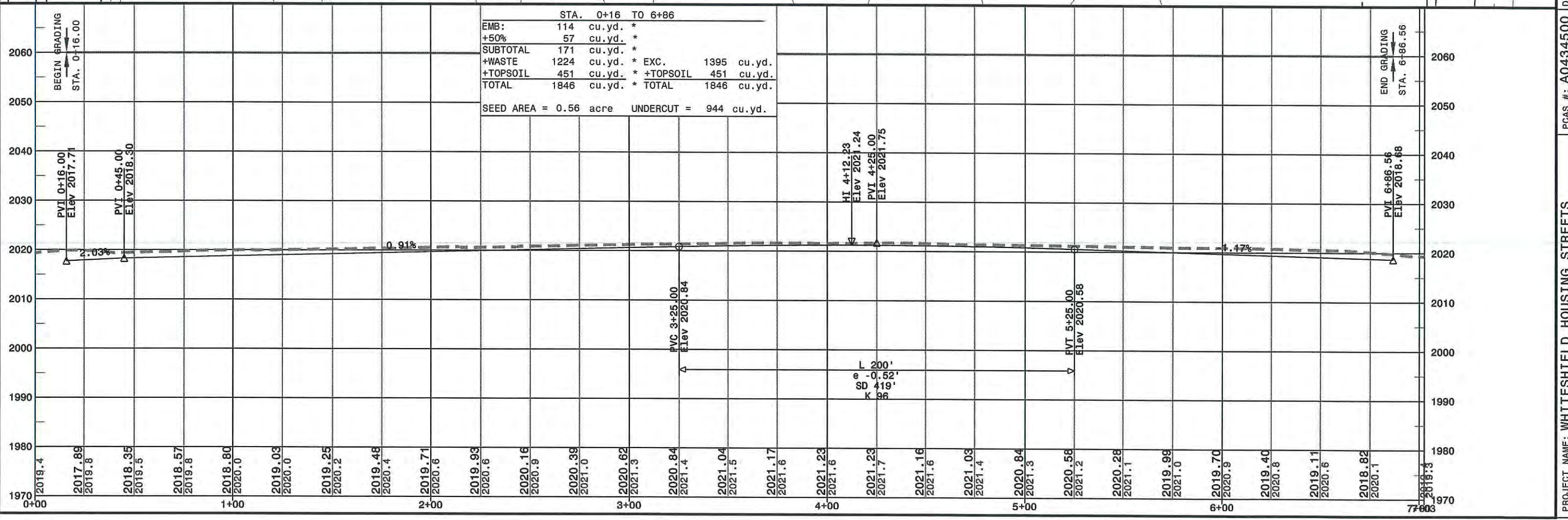
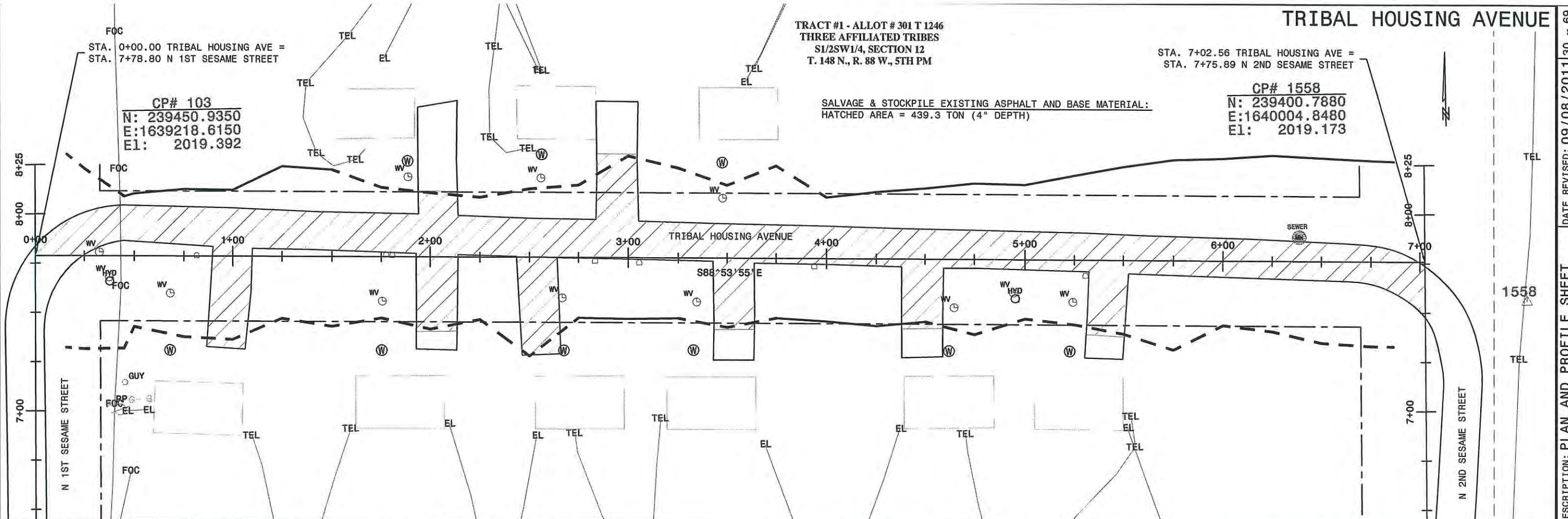
STA. 7+02.56 TRIBAL HOUSING AVE =
 STA. 7+75.89 N 2ND SESAME STREET

FOC
 STA. 0+00.00 TRIBAL HOUSING AVE =
 STA. 7+78.80 N 1ST SESAME STREET

CP# 103
 N: 239450.9350
 E: 1639218.6150
 E1: 2019.392

CP# 1558
 N: 239400.7880
 E: 1640004.8480
 E1: 2019.173

SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
 HATCHED AREA = 439.3 TON (4" DEPTH)



TRACT #1 - ALLOT # 301 T 1246
THREE AFFILIATED TRIBES
S1/2SW1/4, SECTION 12
T. 148 N., R. 88 W., 5TH PM

STA. 7+02.56 TRIBAL HOUSING AVE =
STA. 7+75.89 N 2ND SESAME STREET

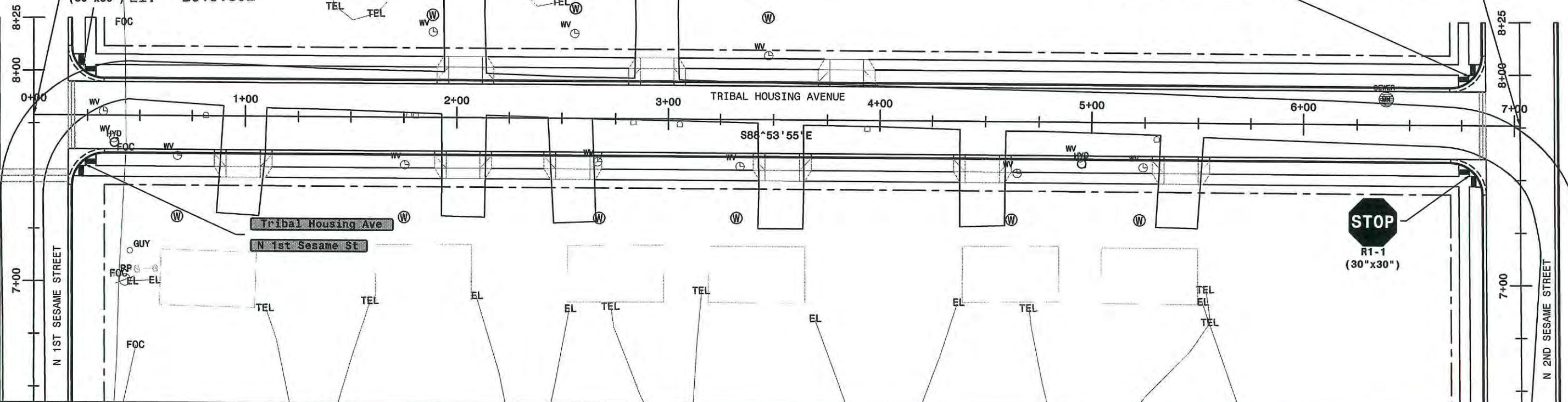
FOC
STA. 0+00.00 TRIBAL HOUSING AVE =
STA. 7+78.80 N 1ST SESAME STREET

CP# 1558
N: 239400.7880
E: 1640004.8480
E1: 2019.173

CP# 103
N: 239450.9350
E: 1639218.6150
E1: 2019.392



Tribal Housing Ave
N 2nd Sesame St



REMOVE & RESET MAILBOXES FROM THE FOLLOWING LOCATIONS:

- STA. 0+81.50 - RT - 1 EACH
- STA. 1+79.00 - RT - 2 EACH
- STA. 2+83.00 - RT - 1 EACH
- STA. 3+05.50 - RT - 1 EACH
- STA. 3+94.00 - RT - 1 EACH
- STA. 5+30.50 - RT - 1 EACH

PLACE AGGREGATE BASE, GRADING NDDOT CLASS 5:

- STA. 0+16 TO 6+87 = 885.5 TON (38' WIDTH, 6" DEPTH)
- SIDEWALK = 130.7 TON (1140.0' X 5' X 0.33')
- DRIVEPADS = 88.4 TON (9 @ 27' X 11' X 0.50')
- DRIVEWAYS = 150.7 TON (LENGTH VARIES X 16' X 0.50')

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:

- STA. 0+16 TO 6+87 = 397.0 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH

- STA. 0+99 - RT
- STA. 2+03 - RT
- STA. 2+04 - LT
- STA. 2+55 - RT
- STA. 2+94 - LT
- STA. 3+54 - RT
- STA. 3+84 - LT
- STA. 4+48 - RT
- STA. 5+42 - RT
- TOTAL DRIVEWAY = 481.8 SQ YARD

ADJUST THE FOLLOWING MANHOLES:

- STA. 6+38.69, 12.04' LT - -0.81'

ADJUST THE FOLLOWING WATER VALVES:

- STA. 0+32.56, 1.94' LT - -0.46'
- STA. 0+68.04, 18.82' RT - -1.00'
- STA. 1+75.50, 22.53' RT - -0.73'
- STA. 2+66.62, 20.51' RT - +0.42'
- STA. 3+34.29, 22.28' RT - +0.64'
- STA. 3+47.66, 30.51' LT - -0.80'
- STA. 4+64.74, 24.50' RT - +0.78'
- STA. 5+24.18, 21.30' RT - -0.27'

RELOCATE THE FOLLOWING FIRE HYDRANTS:

- STA. 0+37.71, 12.84' RT TO STA. 0+37.00, 20.50' RT

PLACE PCC CURB & GUTTER AT THE FOLLOWING LOCATIONS:

- STA. 0+32.83 TO STA. 6+69.23 - LT = 636.40 LIN FT
- STA. 0+32+17 TO STA. 6+69.90 - RT = 636.73 LIN FT

PLACE PCC SIDEWALK AT THE FOLLOWING LOCATIONS:

- STA. 0+18.70 TO STA. 0+88.50 - RT = 38.78 SQ YD
- STA. 0+18.40 TO STA. 1+93.50 - LT = 97.28 SQ YD
- STA. 1+09.50 TO STA. 1+92.50 - RT = 46.11 SQ YD
- STA. 2+13.50 TO STA. 2+44.50 - RT = 17.22 SQ YD
- STA. 2+14.50 TO STA. 2+84.00 - LT = 38.61 SQ YD
- STA. 2+65.50 TO STA. 3+43.50 - RT = 43.33 SQ YD
- STA. 3+05.00 TO STA. 3+73.50 - LT = 39.06 SQ YD
- STA. 3+94.50 TO STA. 6+83.70 - LT = 160.66 SQ YD
- STA. 3+64.50 TO STA. 4+38.00 - RT = 40.83 SQ YD
- STA. 4+59.00 TO STA. 5+31.50 - RT = 40.28 SQ YD
- STA. 5+52.50 TO STA. 6+84.40 - RT = 72.17 SQ YD

PLACE 16' PCC DRIVEPAD AT THE FOLLOWING LOCATIONS:

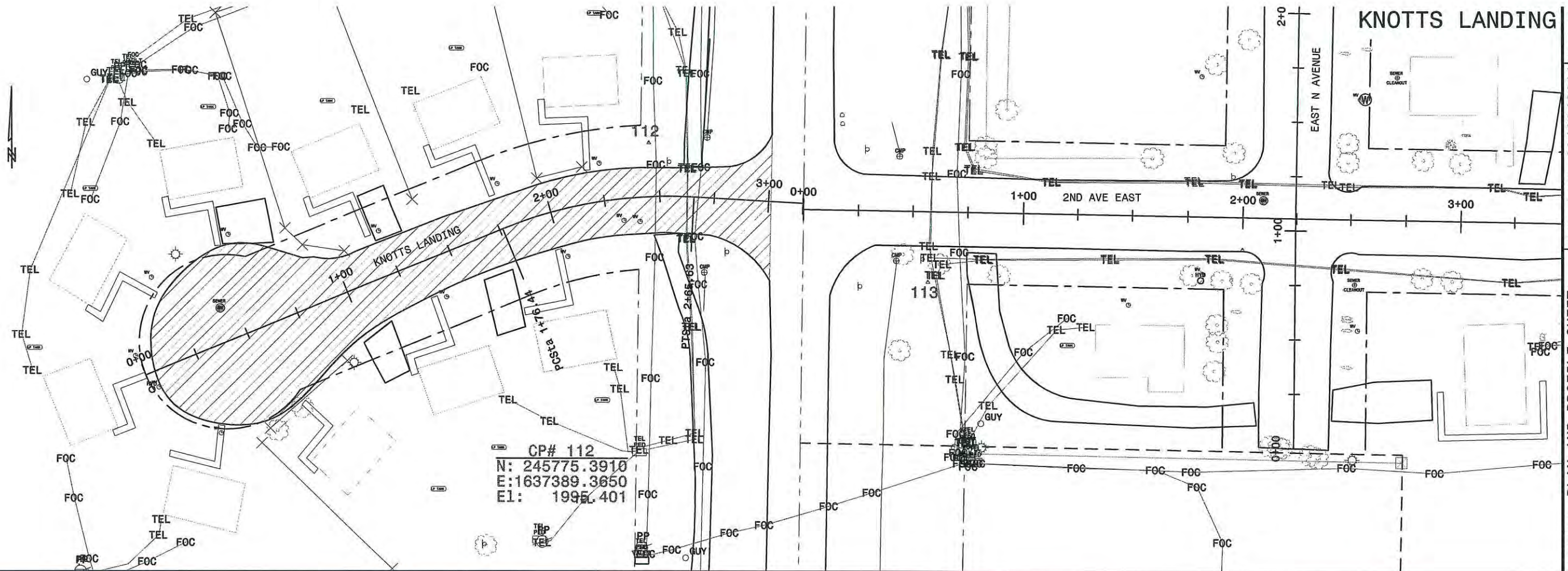
- STA. 0+99.00 - RT = 31.40 SQ YD
- STA. 2+03.00 - RT = 31.40 SQ YD
- STA. 2+04.00 - LT = 31.40 SQ YD
- STA. 2+55.00 - RT = 31.40 SQ YD
- STA. 2+94.50 - LT = 31.40 SQ YD
- STA. 3+54.00 - RT = 31.40 SQ YD
- STA. 3+84.00 - LT = 31.40 SQ YD
- STA. 4+48.50 - RT = 31.40 SQ YD
- STA. 5+42.00 - RT = 31.40 SQ YD

PLACE 30" X 30" SIGNS AT THE FOLLOWING LOCATIONS:

- STA. 0+23.00, 23.0' LT - R1-1(STOP)
- STA. 6+79.85, 23.0' RT - R1-1(STOP)

PLACE STREET SIGNS AT THE FOLLOWING LOCATIONS:

- STA. 0+23.00, 23.0' RT - 2 SIGNS, 1 POST
- STA. 6+79.85, 23.0' LT - 2 SIGNS, 1 POST



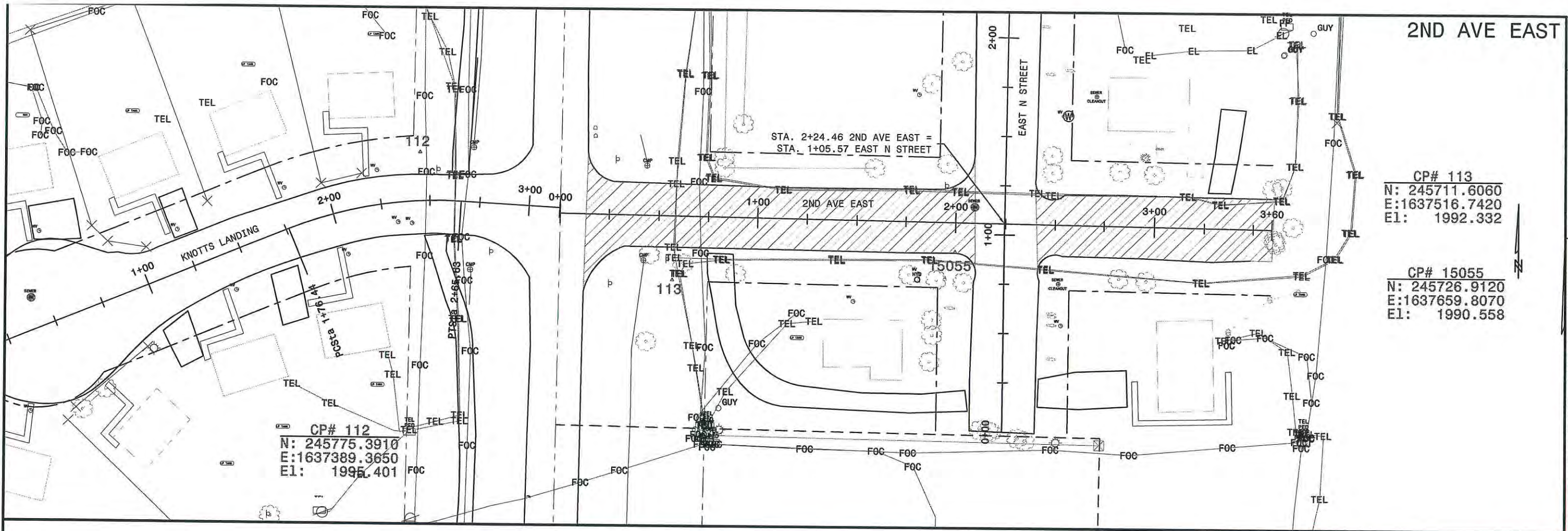
SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
 HATCHED AREA = 261.0 TON (4" DEPTH)
 SALVAGED MATERIAL SHALL BE USED ON BIA 3102 STREETS

EXCAVATE AND WASTE SUBGRADE:
 HATCHED AREA = 200.0 CU YD (5" DEPTH)

PLACE AGGREGATE BASE, GRADE NDDOT CL 5:
 HATCHED AREA = 446.6 TON (6" DEPTH)
 DRIVEWAYS = 126.2 TON (LENGTH VARIES X 16' X 0.50')

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 HATCHED AREA = 223.8 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH
 STA. 0+00 - LT
 STA. 0+12 - LT
 STA. 0+16 - RT
 STA. 0+65 - LT
 STA. 1+06 - RT
 STA. 1+27 - LT
 STA. 1+51 - LT
 STA. 1+66 - RT
 STA. 2+29 - LT
 TOTAL DRIVEWAY = 403.6 SQ YARD



CP# 113
 N: 245711.6060
 E: 1637516.7420
 El: 1992.332

CP# 15055
 N: 245726.9120
 E: 1637659.8070
 El: 1990.558

CP# 112
 N: 245775.3910
 E: 1637389.3650
 El: 1995.401

STA. 2+24.46 2ND AVE EAST =
 STA. 1+05.57 EAST N STREET

RECONDITION AGGREGATE SURFACING:
 STA. 0+13 TO 2+09 = 2.0 STATIONS

SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
 STA. 2+40 TO 3+61 = 84.9 TON (4" DEPTH)

PLACE AGGREGATE BASE, GRADING NDDOT CL 5:
 DRIVEWAYS = 41.7 TON (LENGTH VARIES X 16' X 0.50')

PLACE SALVAGED BASE MATERIAL:
 STA. 2+40 TO 3+61 = 84.9 TON (4" DEPTH)

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 HATCHED AREA = 205.4 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH
 STA. 0+82 - RT
 STA. 3+33 - LT
 TOTAL DRIVEWAY = 133.3 SQ YARD

TRACT #1 - ALLOT # 301 T 1246
 THREE AFFILIATED TRIBES
 S1/2SW1/4, SECTION 12
 T. 148 N., R. 88 W., 5TH PM

CP# 15055
 N: 245726.9120
 E: 1637659.8070
 EL: 1990.558

EAST NORTH STREET

CP# 15086
 N: 246288.9150
 E: 1637669.2750
 EL: 1994.125

15086

STA. 5+44.12 EAST N STREET =
 STA. 2+25.27 3RD AVENUE EAST

STA. 2+24.46 2ND AVE EAST =
 STA. 1+05.57 EAST N STREET

CP# 115
 N: 246204.5820
 E: 1637713.7490
 EL: 1993.292

115

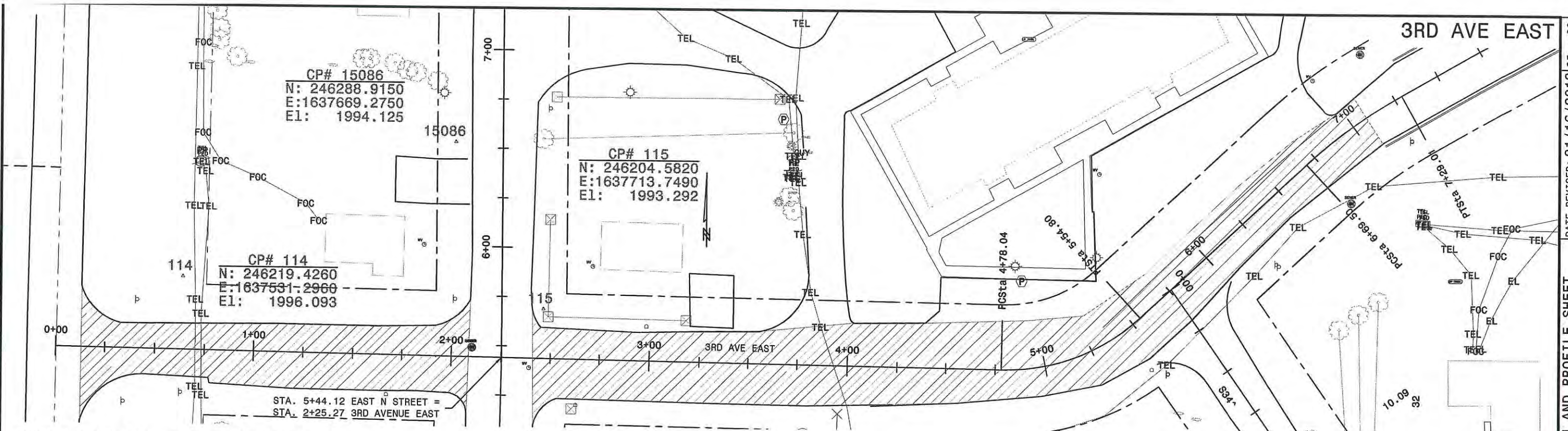
RECONDITION AGGREGATE SURFACING:
 HATCHED AREA = 7.70 STATIONS

PLACE AGGREGATE BASE, GRADING NDDOT CL 5:
 DRIVEWAYS = 336.4 TON (LENGTH VARIES X 16' X 0.50')

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 HATCHED AREA = 469.5 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH

- STA. 0+16 - LT
 - STA. 0+21 - RT
 - STA. 2+89 - RT
 - STA. 3+58 - LT
 - STA. 3+68 - RT
 - STA. 4+77 - RT
 - STA. 6+34 - LT
 - STA. 7+82 - LT
 - STA. 7+93 - CL
 - STA. 8+78 - LT
 - STA. 9+24 - RT
- TOTAL DRIVEWAY = 1075.6 SQ YARD



SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
STA. 0+13 TO 2+09 = 148.4 TON (4" DEPTH)

RECONDITION AGGREGATE SURFACING:
STA. 2+41 TO 7+08 = 4.7 STATIONS

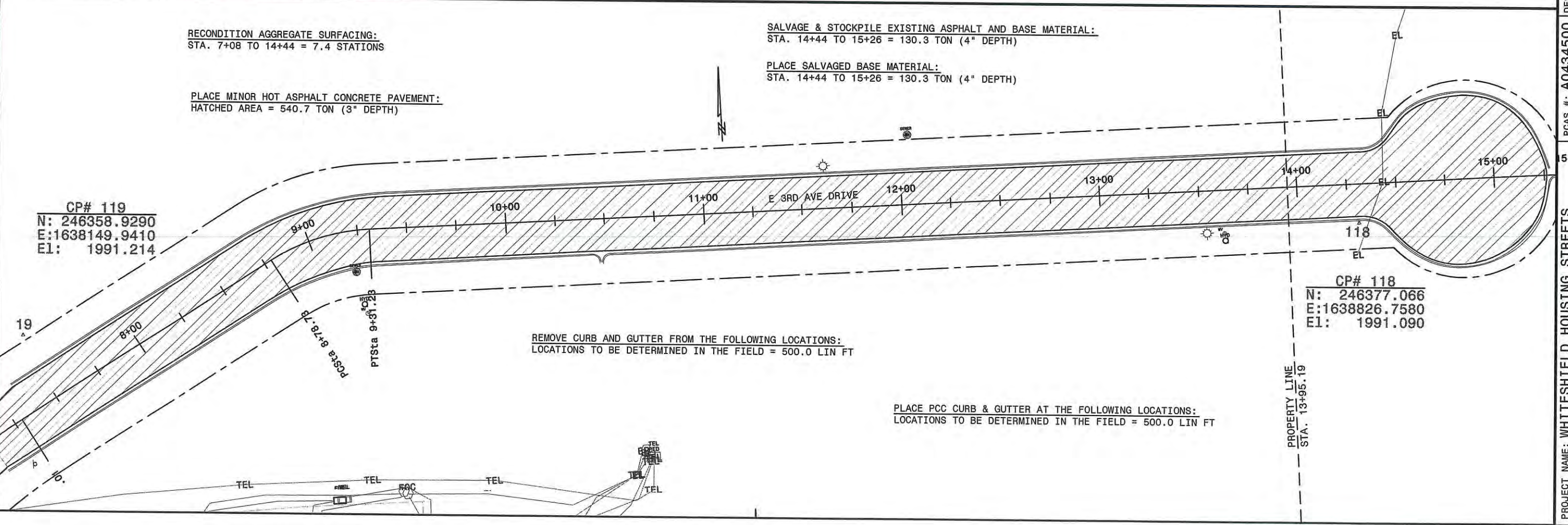
PLACE AGGREGATE BASE, GRADING NDDOT CL 5:
DRIVEWAY = 16.7 TON

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
HATCHED AREA = 392.5 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH
STA. 3+32
TOTAL DRIVEWAY = 53.3 SQ YARD

PLACE SALVAGED BASE MATERIAL:
STA. 0+13 TO 2+09 = 148.4 TON (4" DEPTH)

STA. 5+44.12 EAST N STREET =
STA. 2+25.27 3RD AVENUE EAST



RECONDITION AGGREGATE SURFACING:
STA. 7+08 TO 14+44 = 7.4 STATIONS

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
HATCHED AREA = 540.7 TON (3" DEPTH)

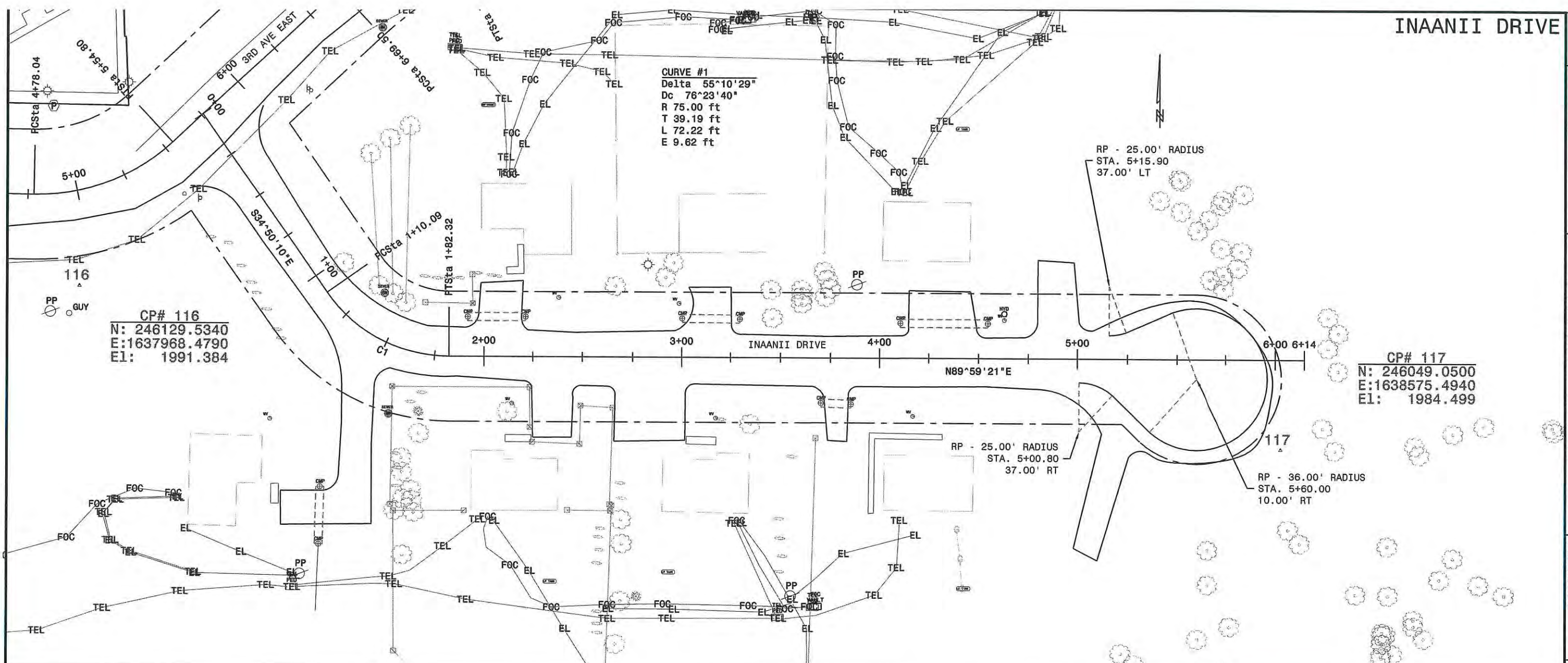
SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
STA. 14+44 TO 15+26 = 130.3 TON (4" DEPTH)

PLACE SALVAGED BASE MATERIAL:
STA. 14+44 TO 15+26 = 130.3 TON (4" DEPTH)

REMOVE CURB AND GUTTER FROM THE FOLLOWING LOCATIONS:
LOCATIONS TO BE DETERMINED IN THE FIELD = 500.0 LIN FT

PLACE PCC CURB & GUTTER AT THE FOLLOWING LOCATIONS:
LOCATIONS TO BE DETERMINED IN THE FIELD = 500.0 LIN FT

PROPERTY LINE
STA. 13+95.19



CP# 116
 N: 246129.5340
 E: 1637968.4790
 El: 1991.384

CP# 117
 N: 246049.0500
 E: 1638575.4940
 El: 1984.499

CURVE #1
 Delta 55°10'29"
 Dc 76°23'40"
 R 75.00 ft
 T 39.19 ft
 L 72.22 ft
 E 9.62 ft

RP - 25.00' RADIUS
 STA. 5+15.90
 37.00' LT

RP - 25.00' RADIUS
 STA. 5+00.80
 37.00' RT

RP - 36.00' RADIUS
 STA. 5+60.00
 10.00' RT

RECONDITION AGGREGATE SURFACING:
 HATCHED AREA = 5.80 STATIONS

CLEAN THE FOLLOWING CULVERTS IN PLACE:
 STA. 1+52.50 - 92.8' RT
 STA. 2+07.00 - 20.0' LT
 STA. 3+17.00 - 20.0' LT
 STA. 3+78.00 - 23.0' RT
 STA. 4+31.00 - 18.0' LT

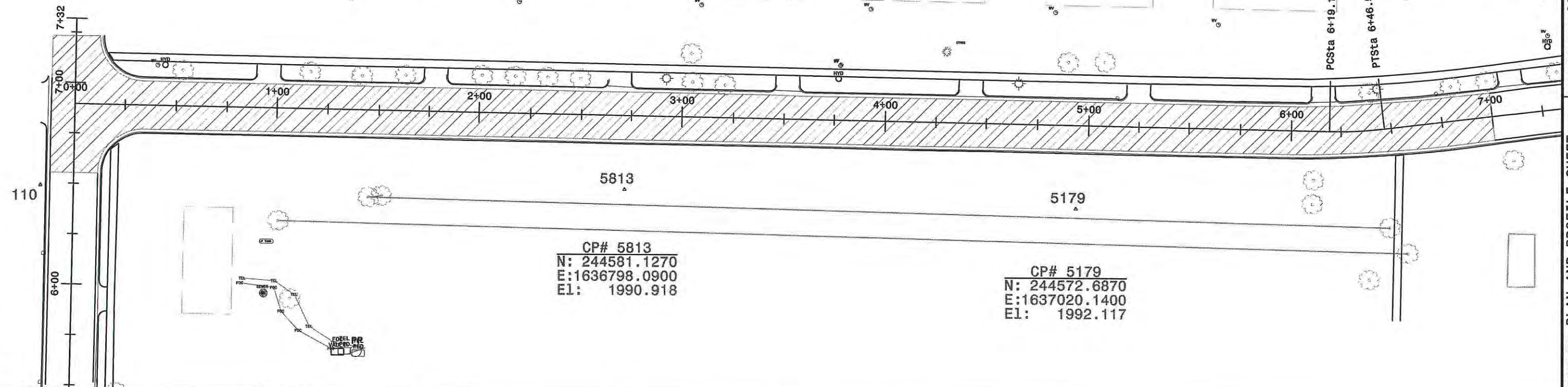
PLACE AGGREGATE BASE, GRADING NDDOT CL 5:
 DRIVEWAYS = 128.6 TON (LENGTH VARIES X 16' X 0.33')

PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 MAINLINE = 334.0 TON (3" DEPTH)

PLACE ASPHALT DRIVEWAY, 3" DEPTH
 STA. 1+43 - RT
 STA. 2+09 - LT
 STA. 2+34 - RT
 STA. 2+94 - RT
 STA. 3+15 - LT
 STA. 3+78 - RT
 STA. 4+32 - LT
 STA. 4+90 - LT
 TOTAL DRIVEWAY = 540.4 SQ YARD

CP# 110
 N: 244582.0580
 E: 1636509.5040
 EL: 1990.715

3RD AVE WEST

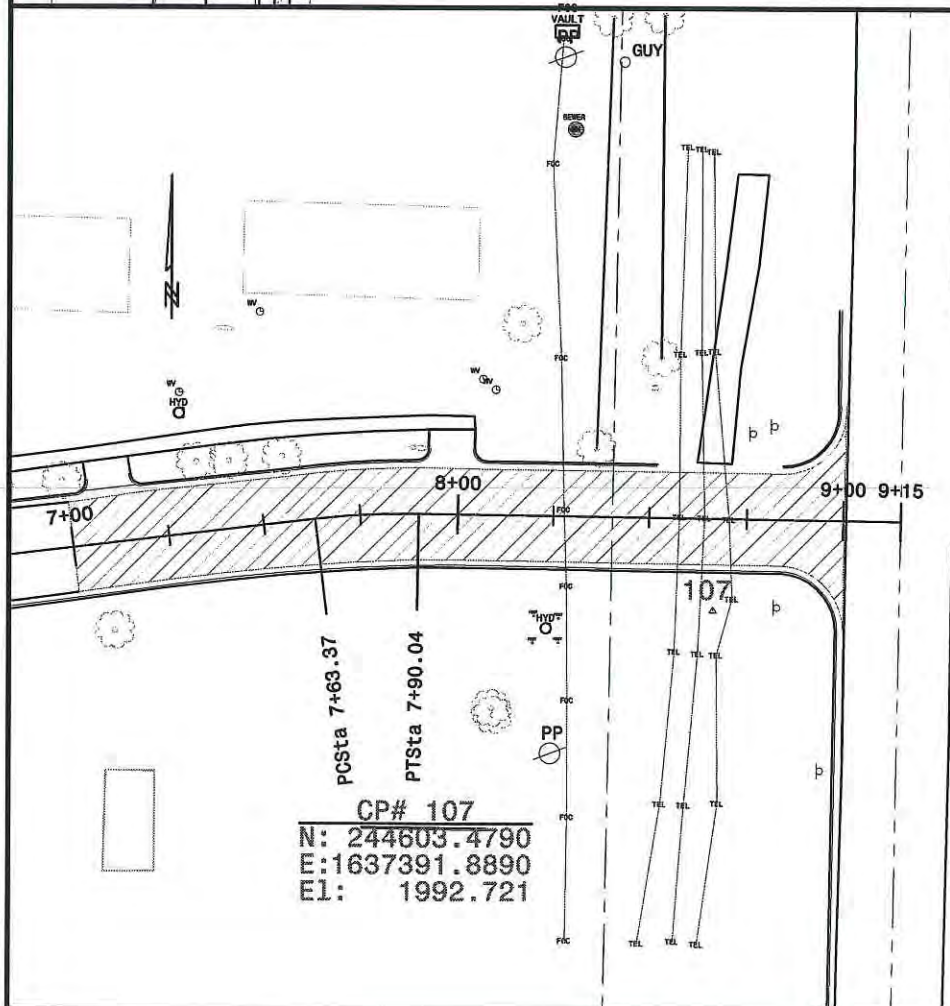


CP# 5813
 N: 244581.1270
 E: 1636798.0900
 EL: 1990.918

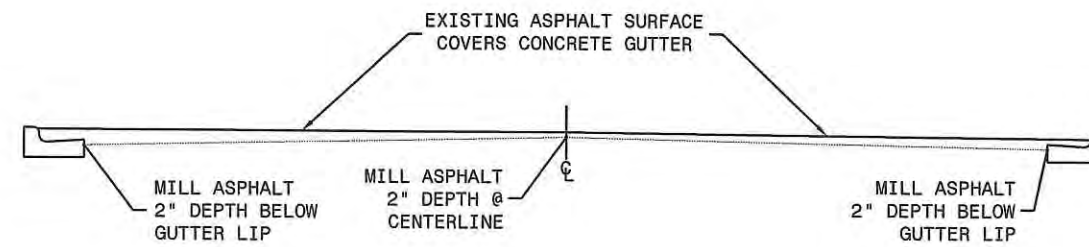
CP# 5179
 N: 244572.6870
 E: 1637020.1400
 EL: 1992.117

SALVAGE & STOCKPILE EXISTING ASPHALT AND BASE MATERIAL:
 HATCHED AREA = 171.5 TON (DEPTH VARIES)
 SALVAGED MATERIAL SHALL BE USED ON BIA 3102 STREETS

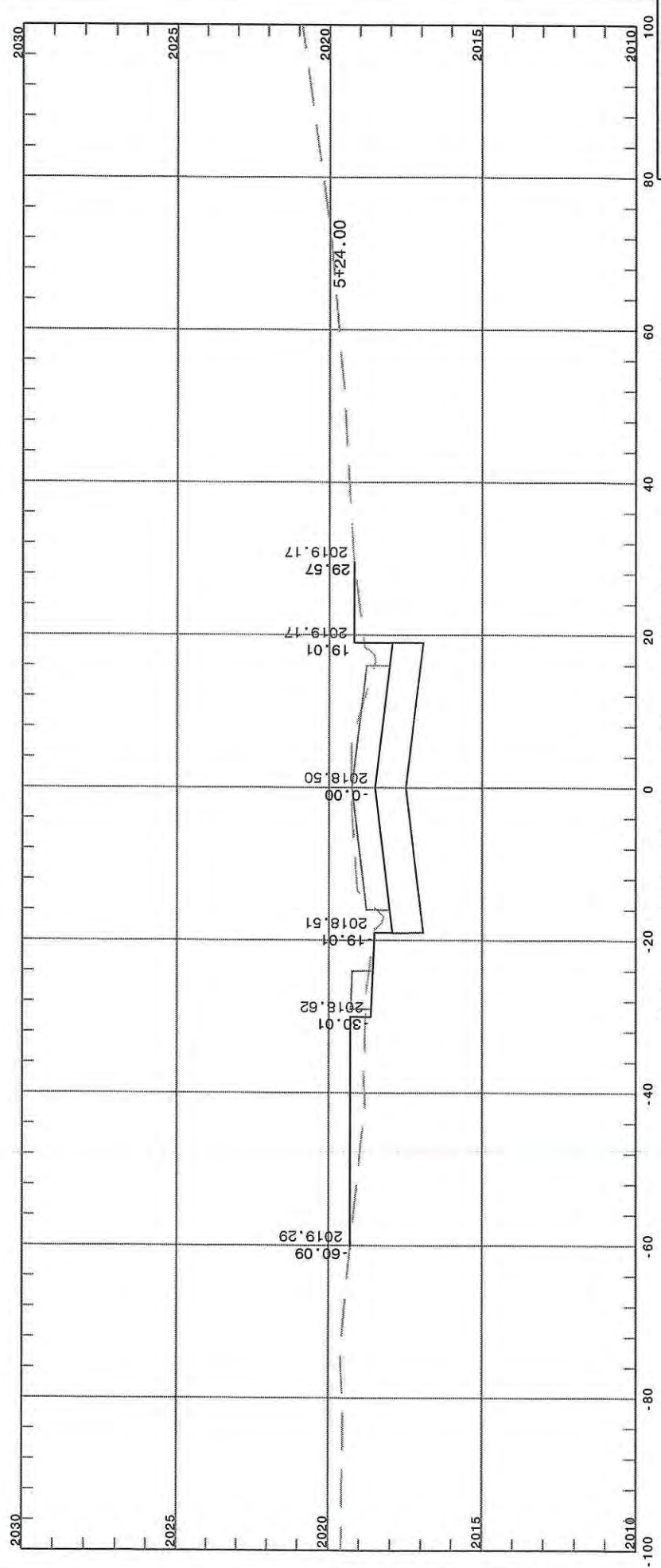
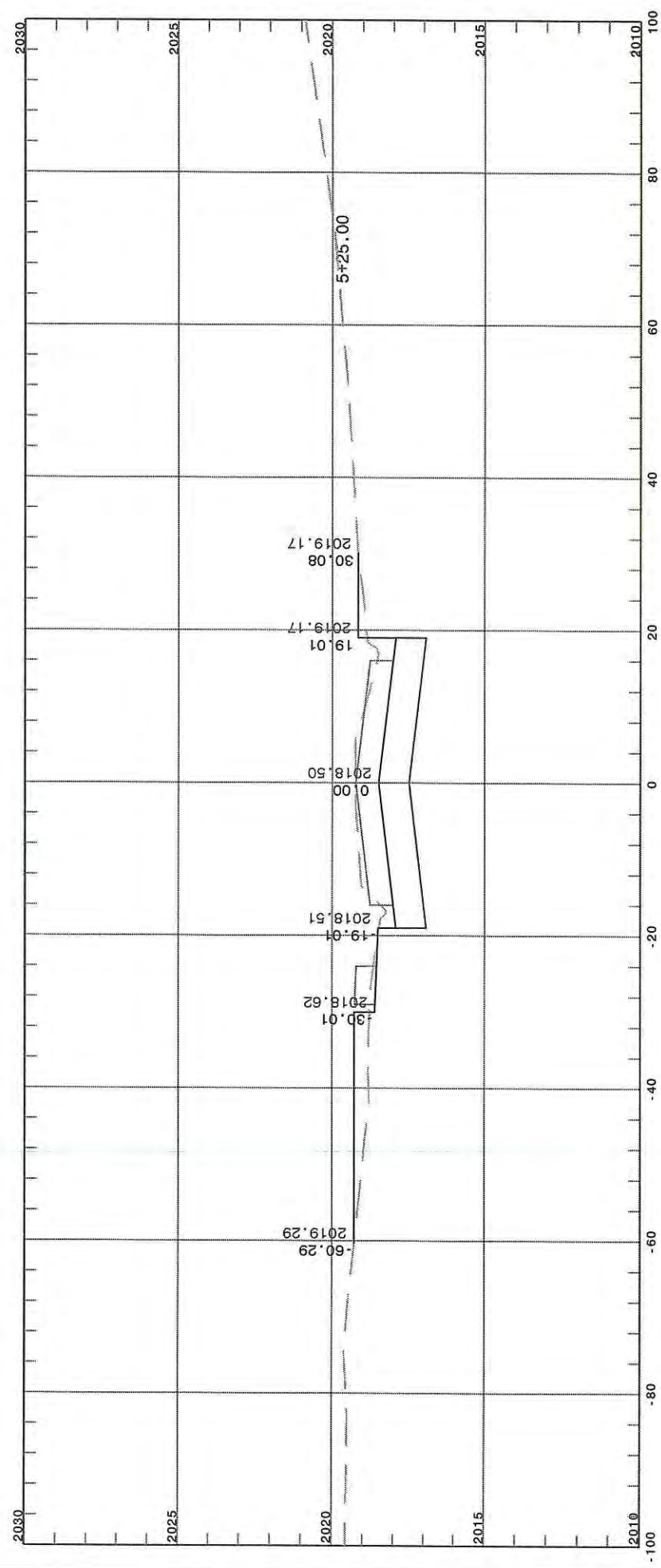
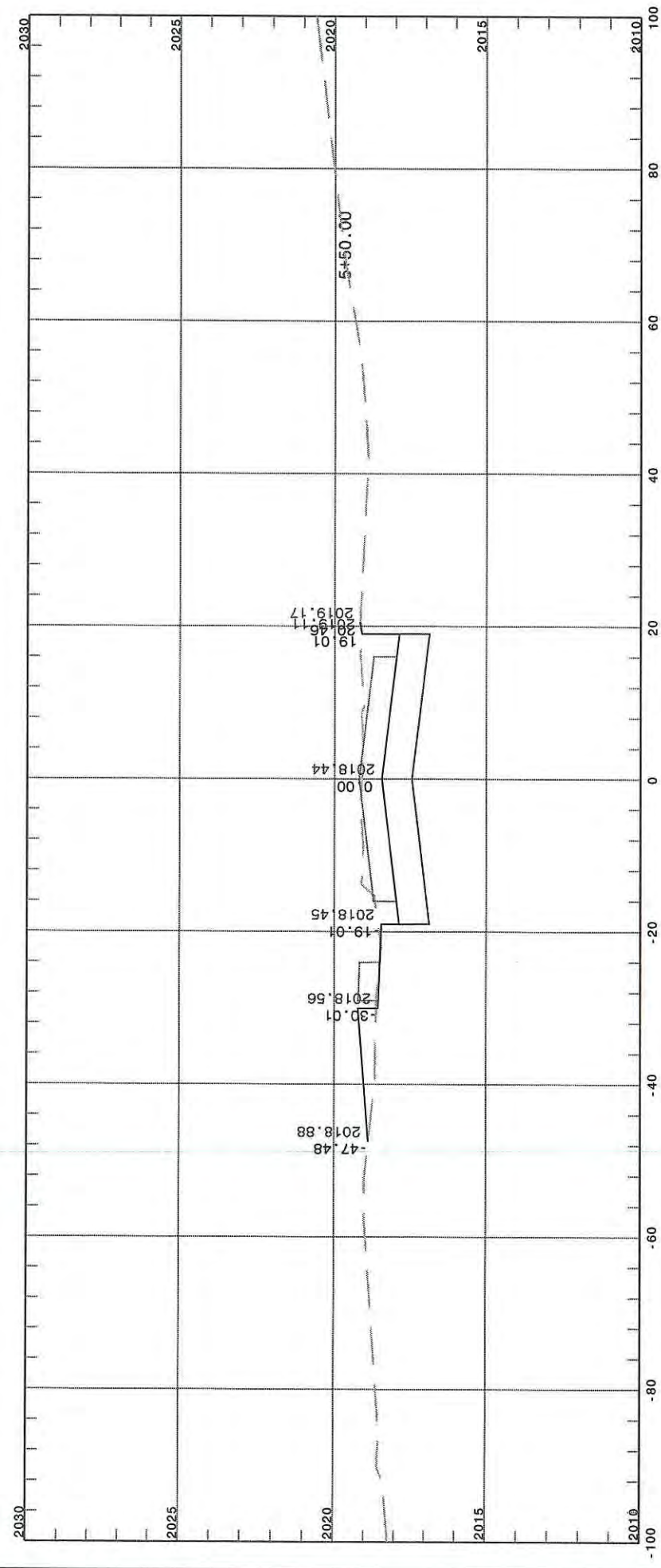
PLACE MINOR HOT ASPHALT CONCRETE PAVEMENT:
 HATCHED AREA = 314.0 TON (2" DEPTH)



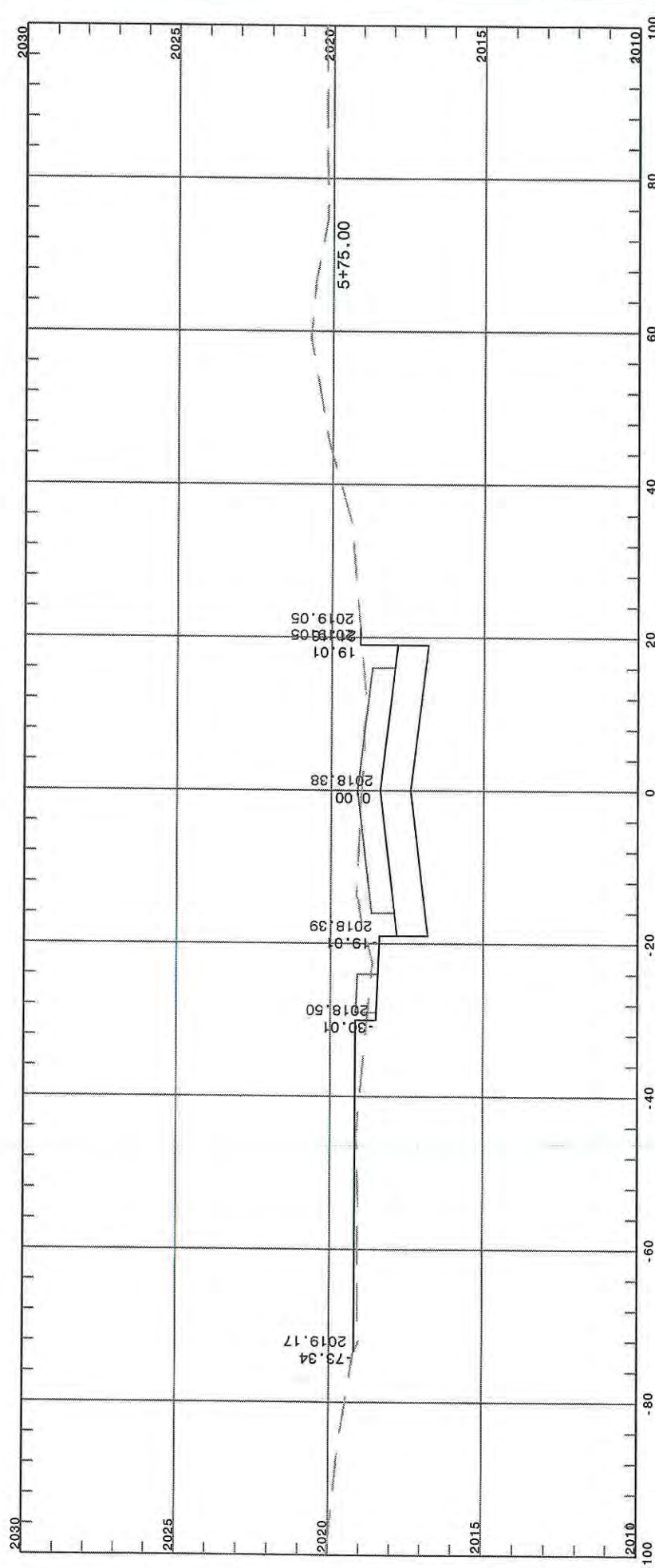
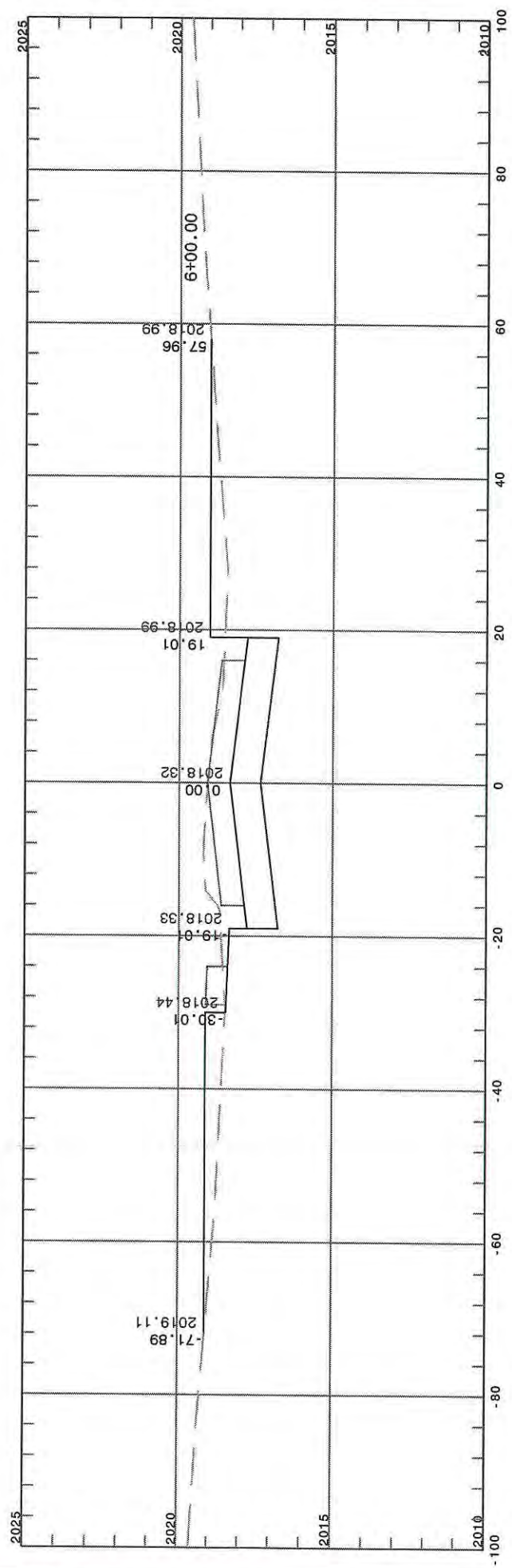
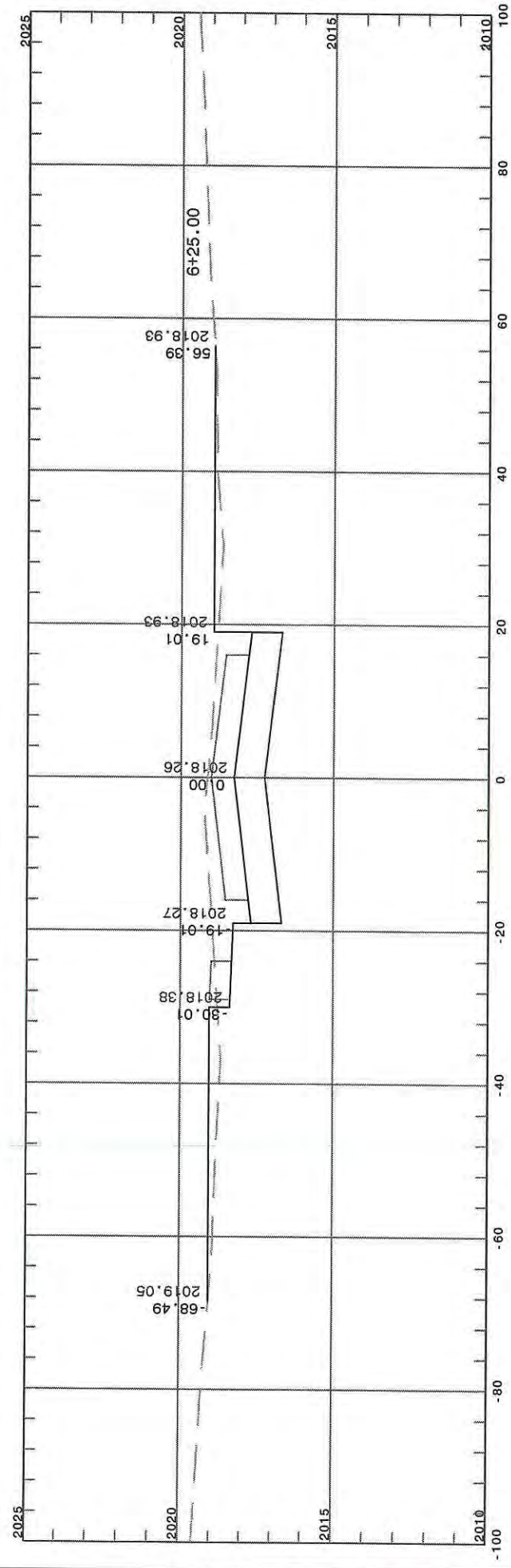
CP# 107
 N: 244603.4790
 E: 1637391.8890
 EL: 1992.721

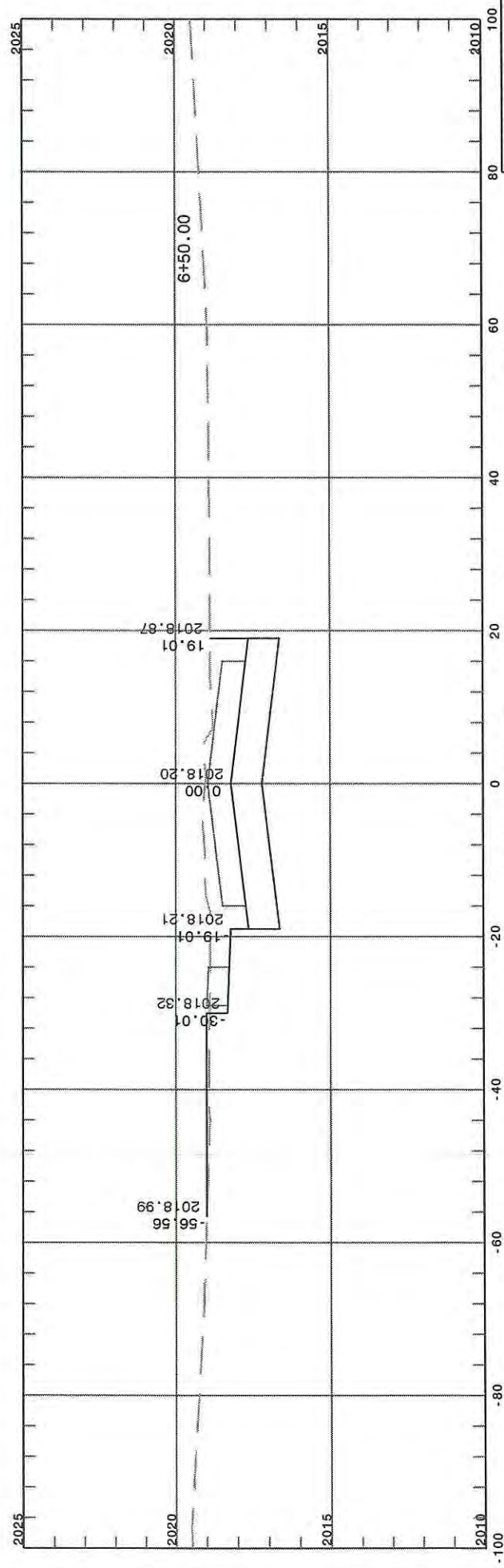
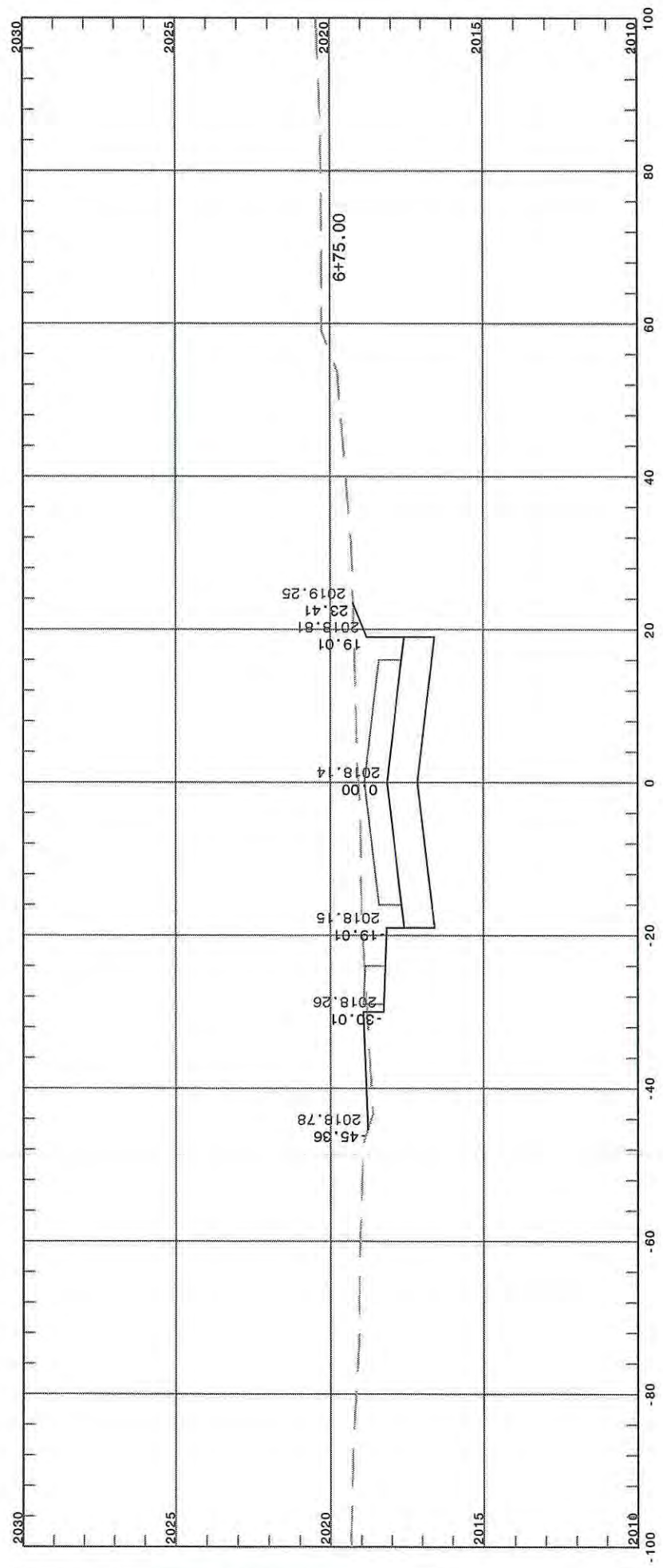
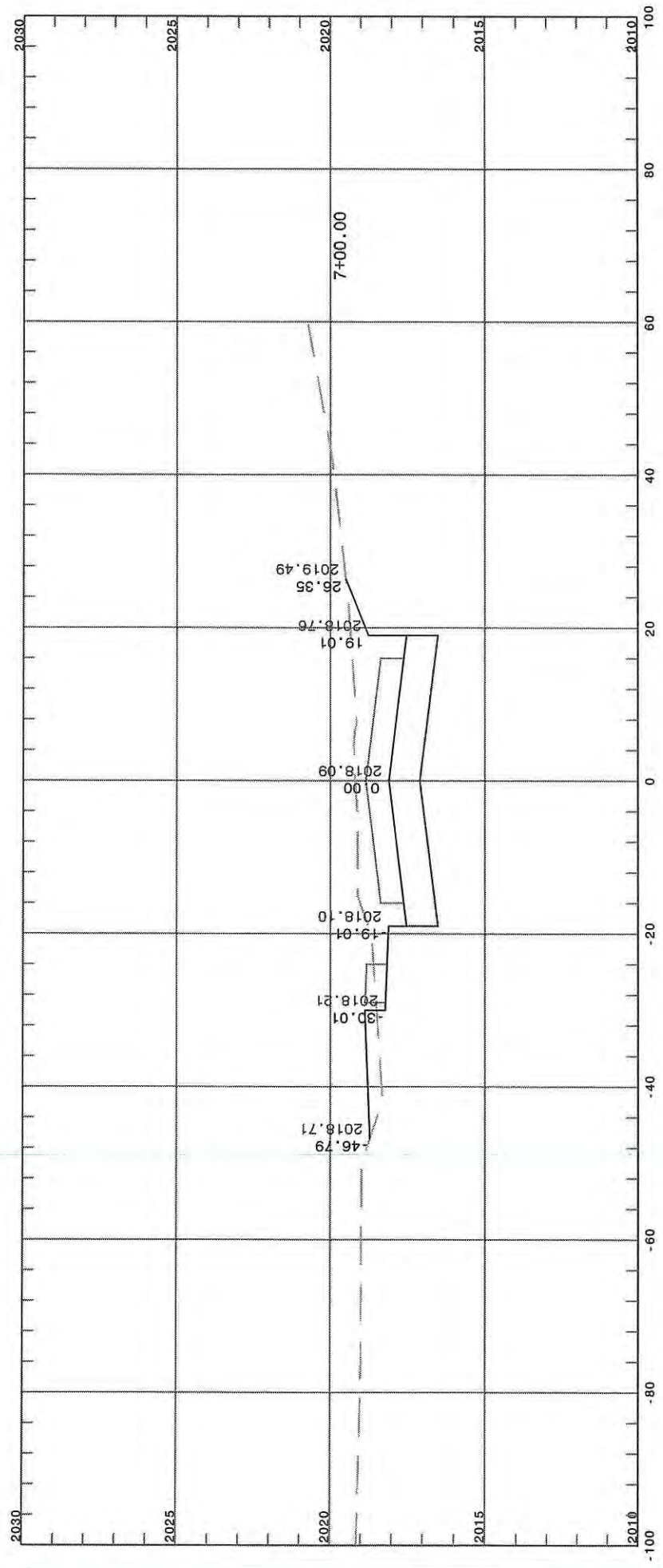


MILLING SECTION
 3RD AVENUE WEST - STA. 0+00.00 TO 9+00.00



STA. 5+24.00 TO STA. 5+50.00



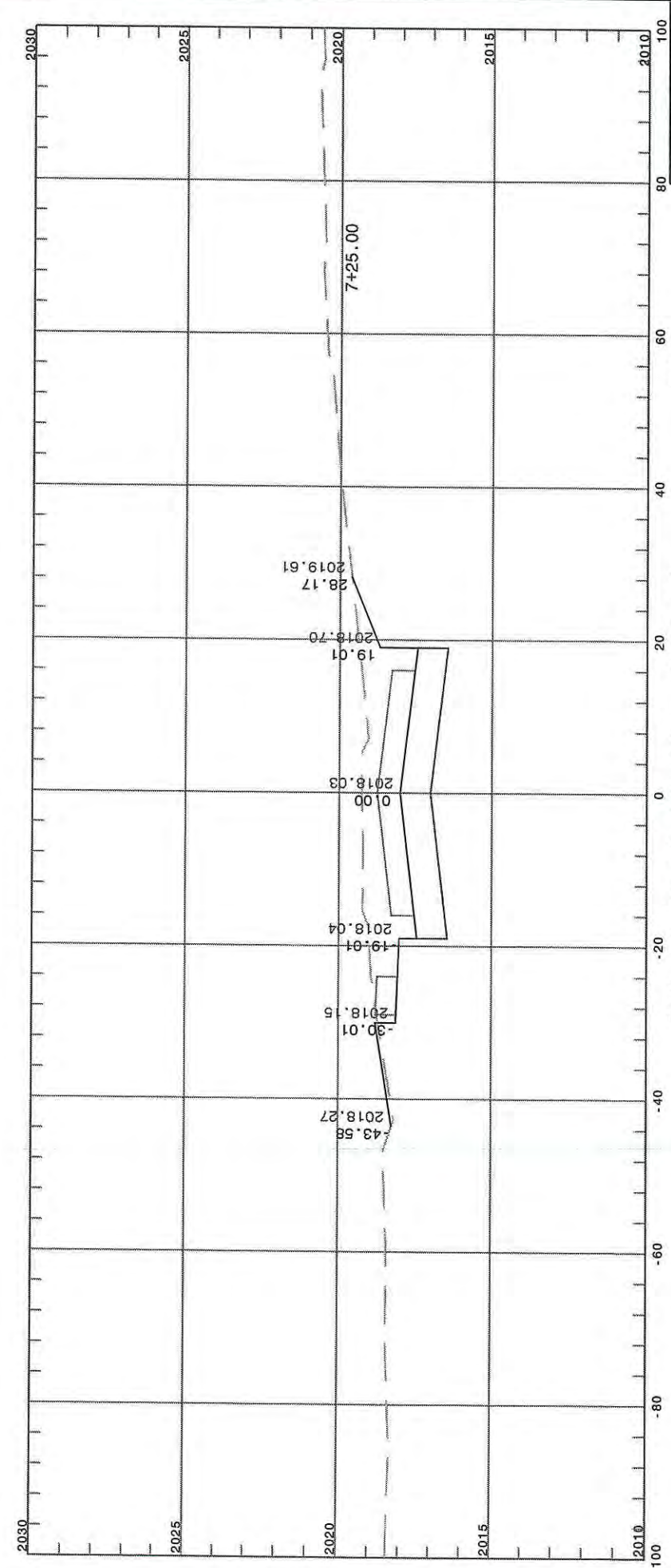
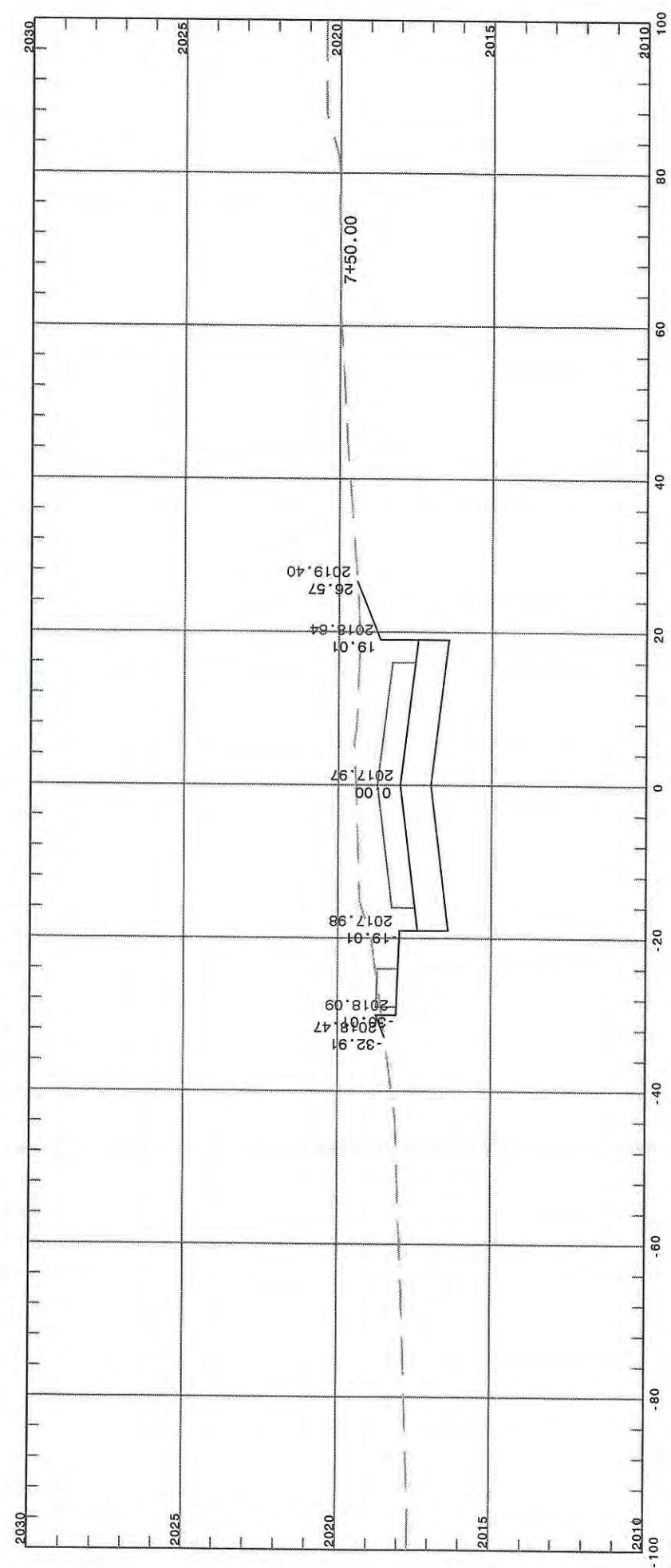
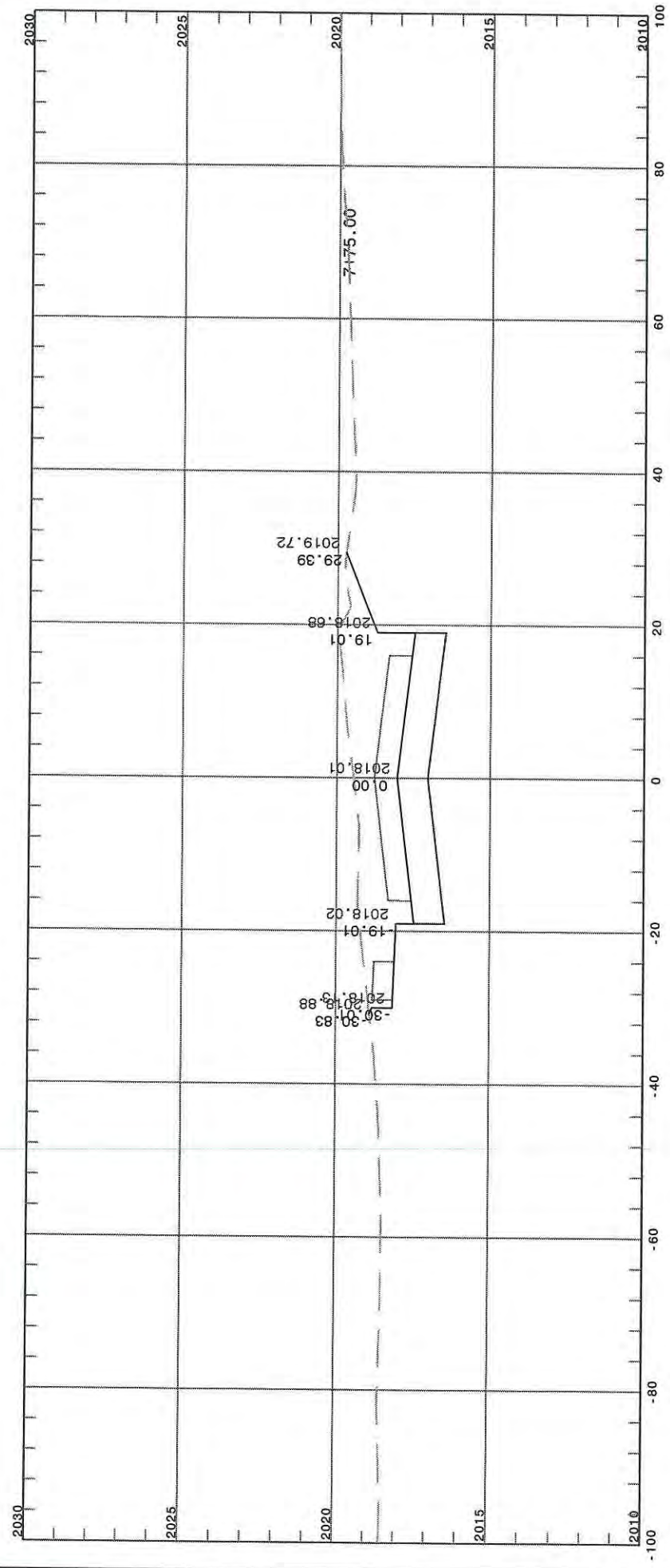


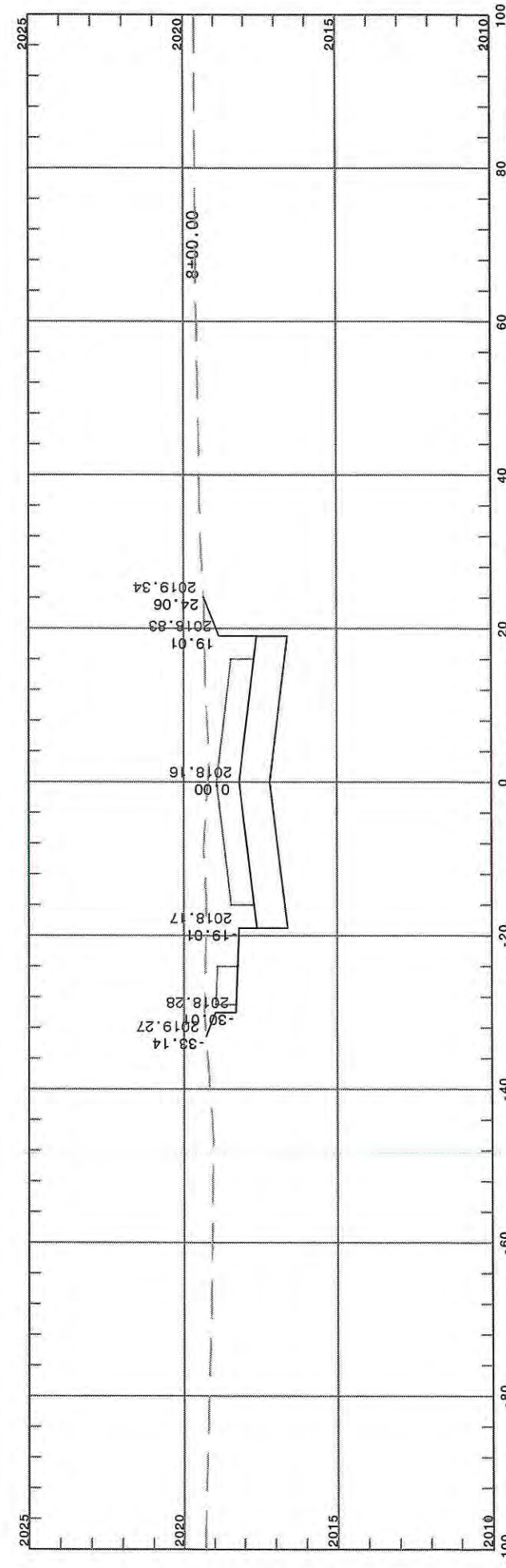
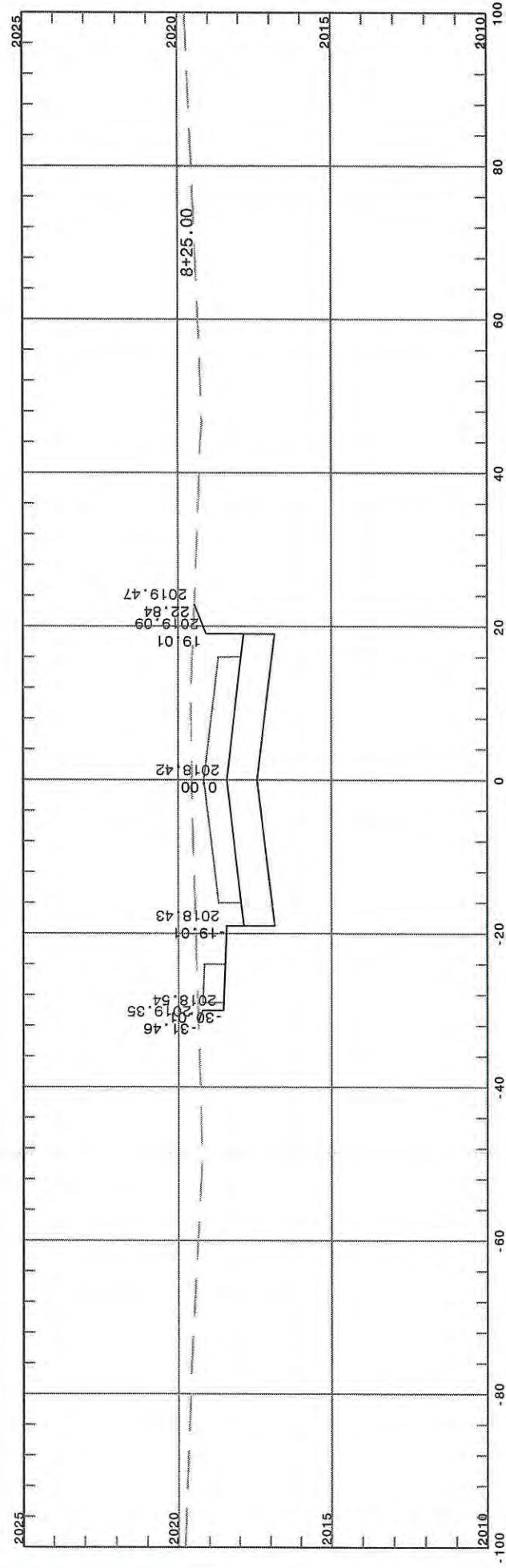
STA. 6+50.00 TO STA. 7+00.00

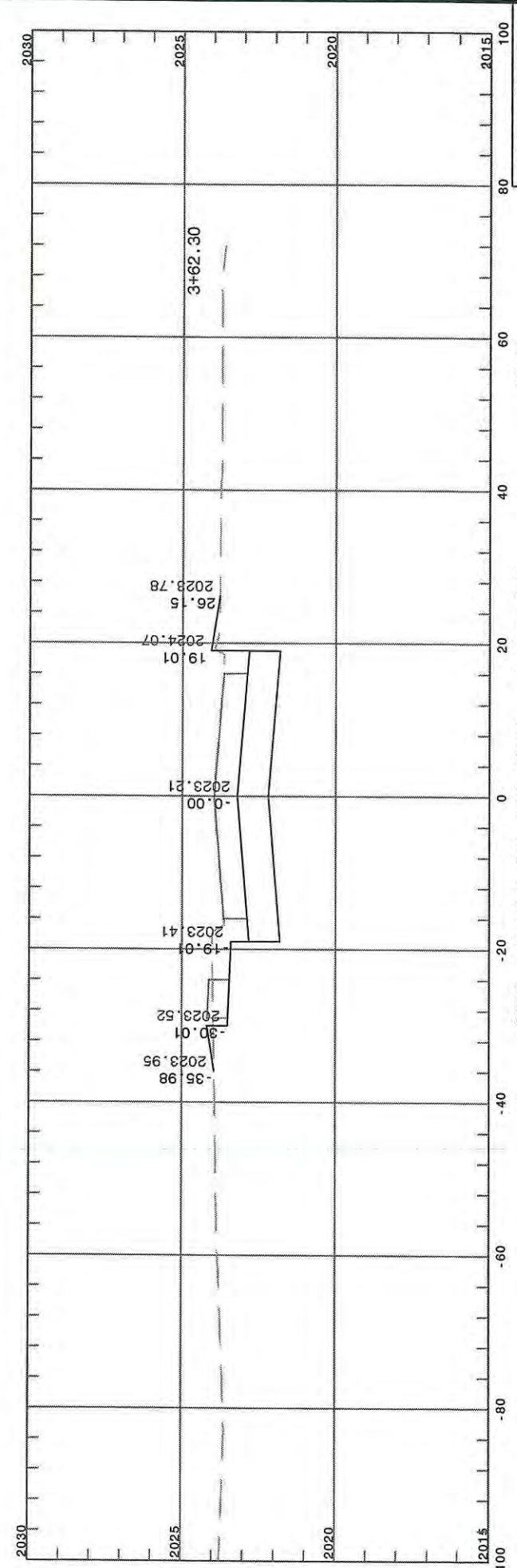
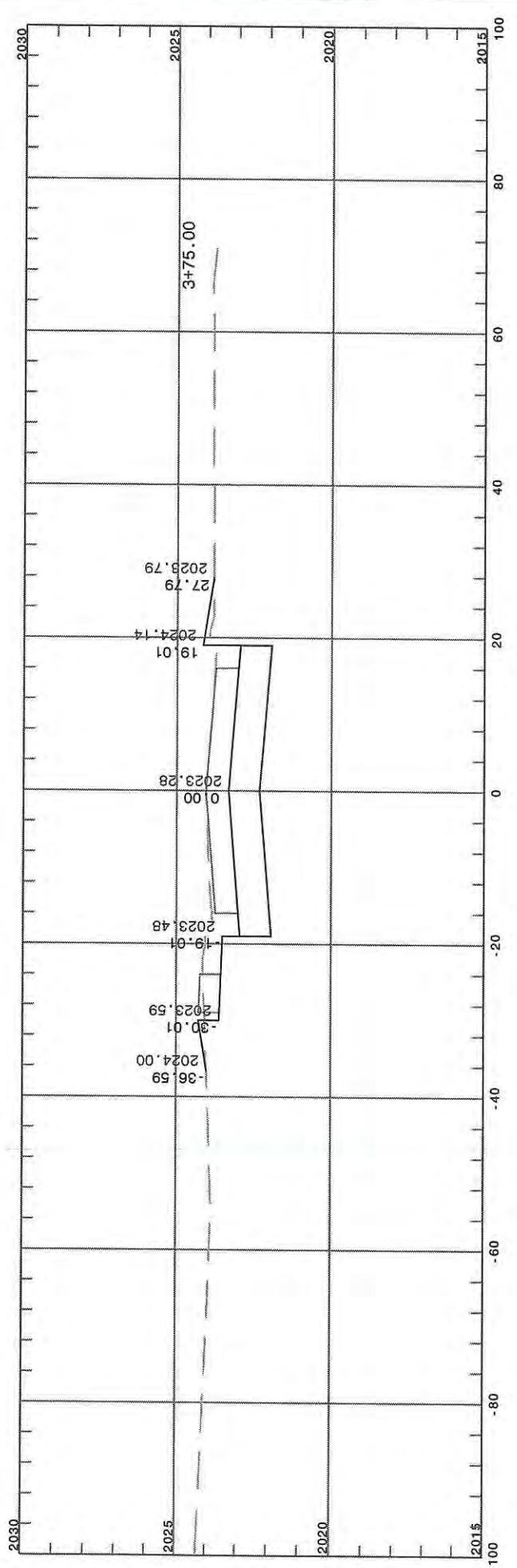
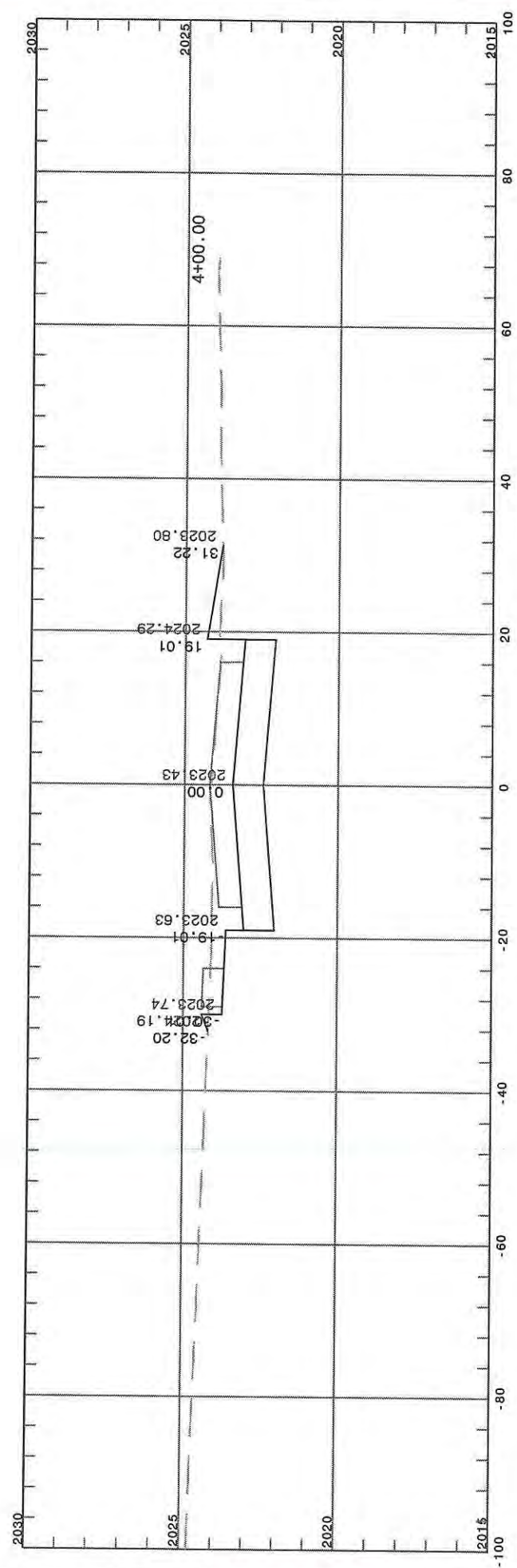
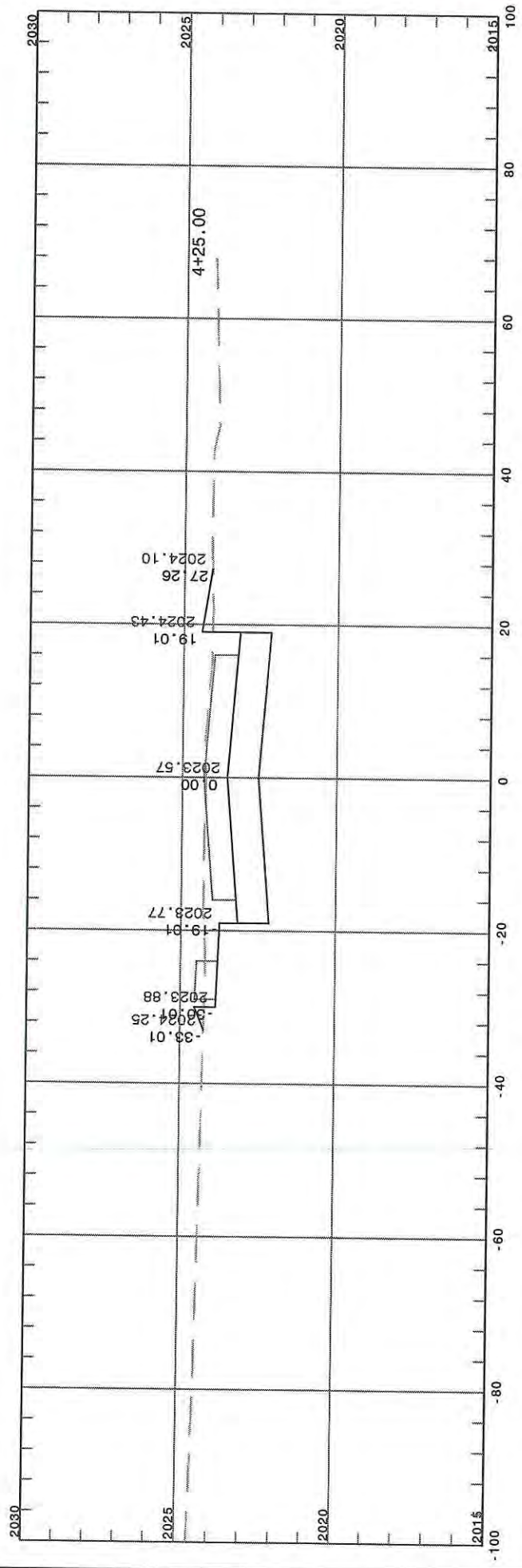
N 1ST SESAME STREET

SCALE
1"=5' VERTICAL
1"=20' HORIZONTAL

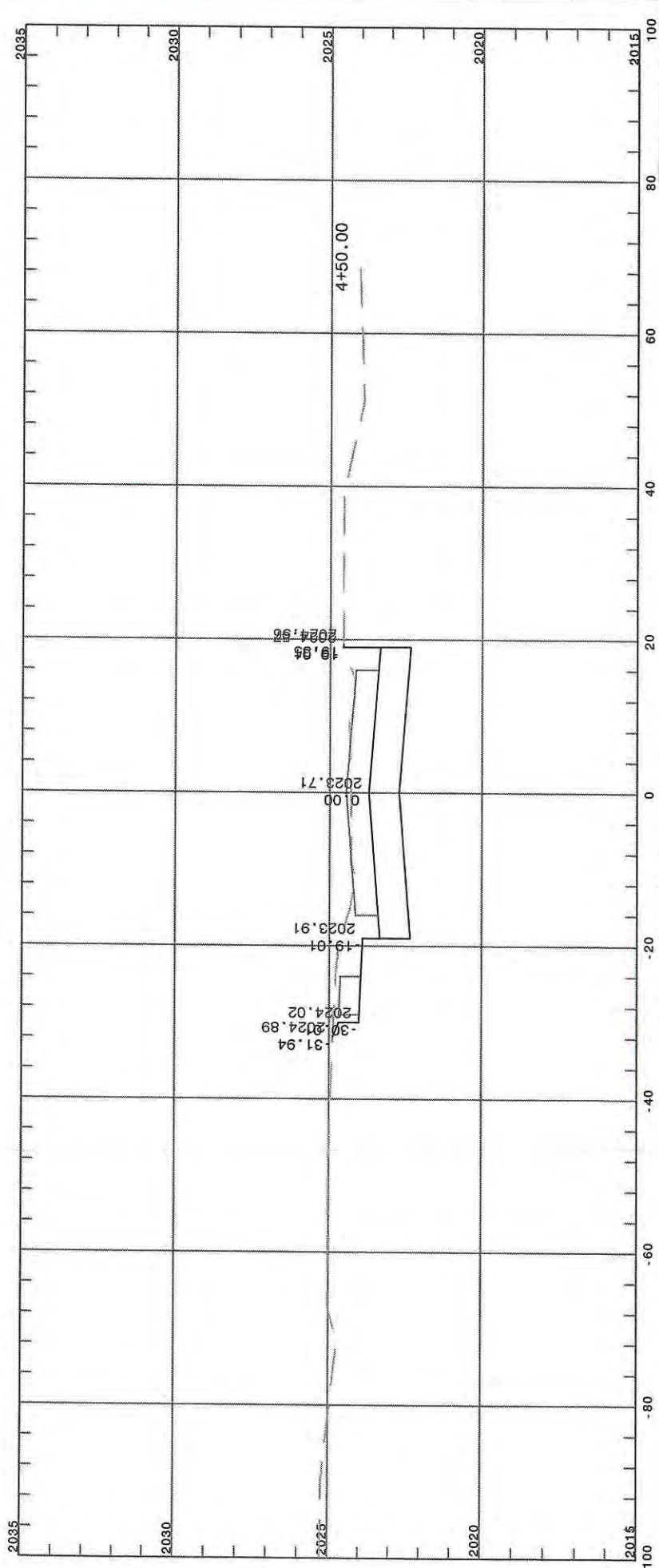
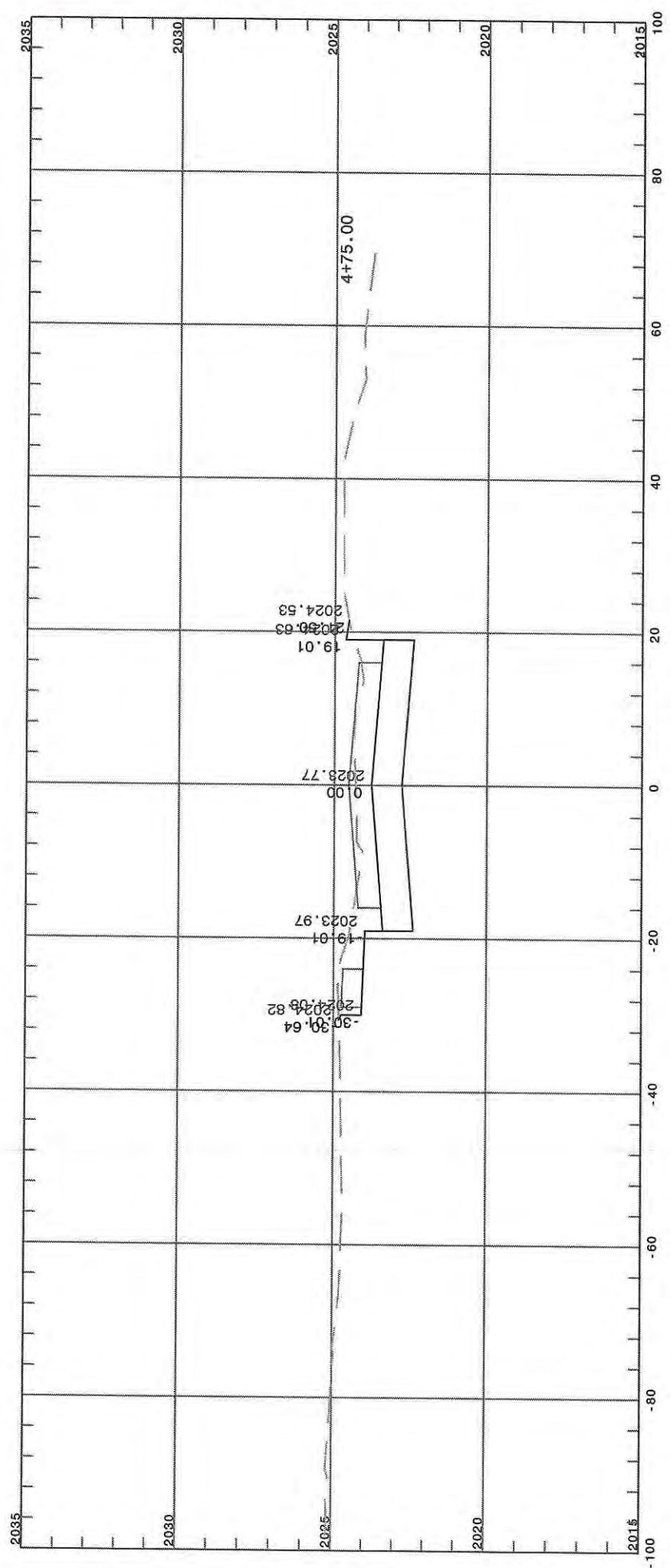
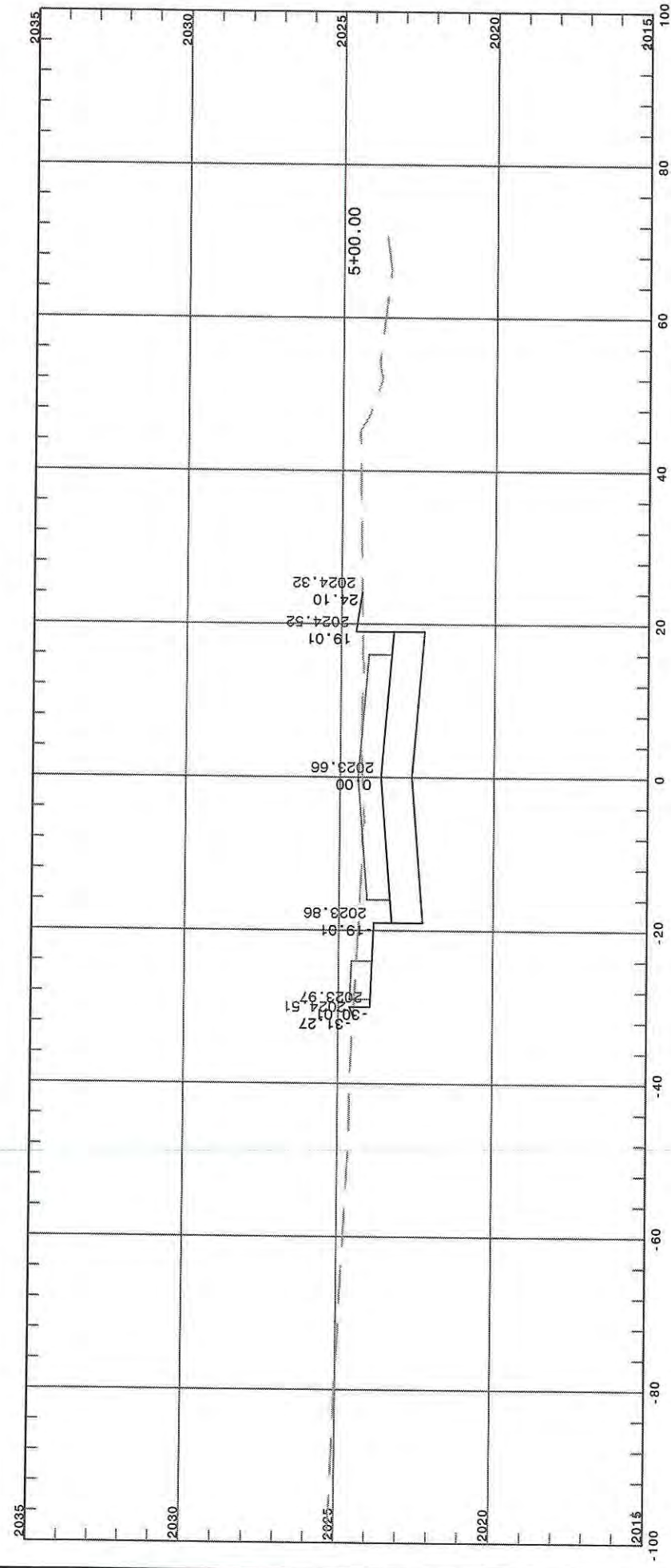
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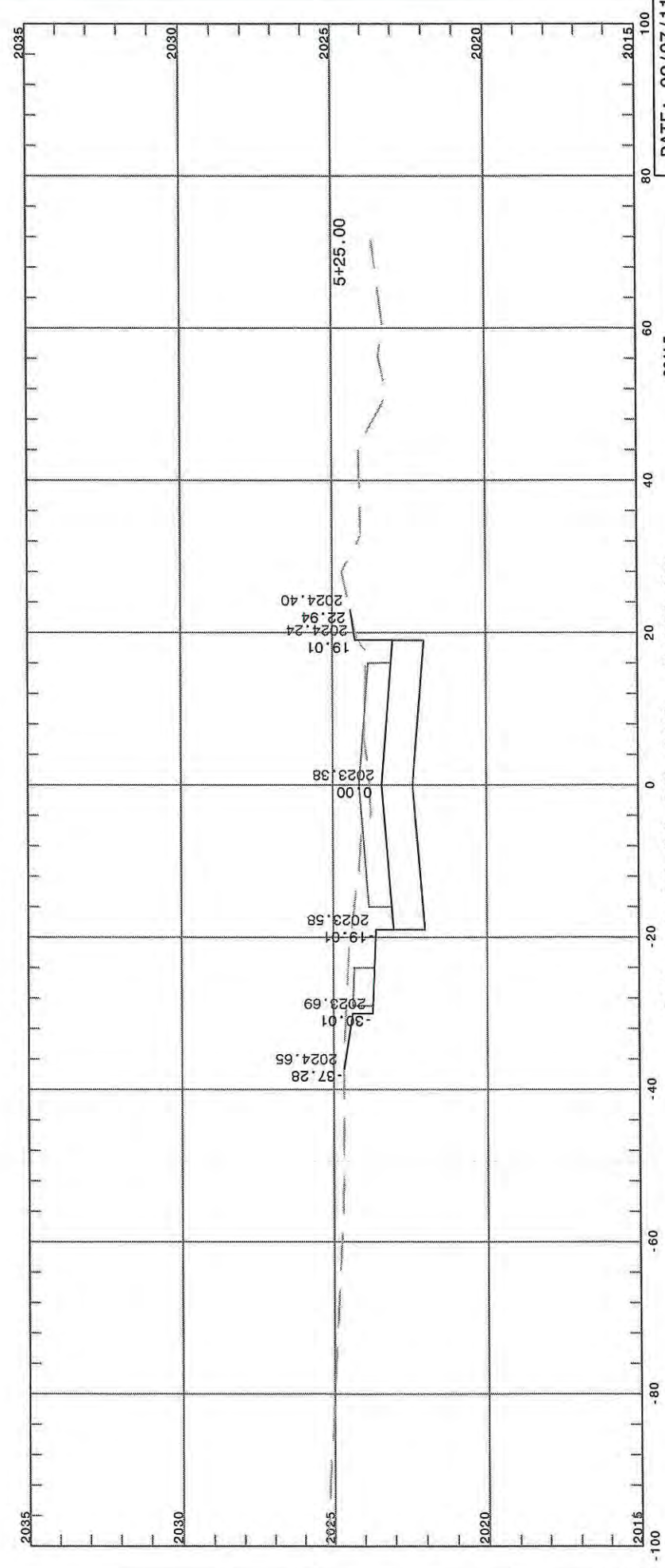
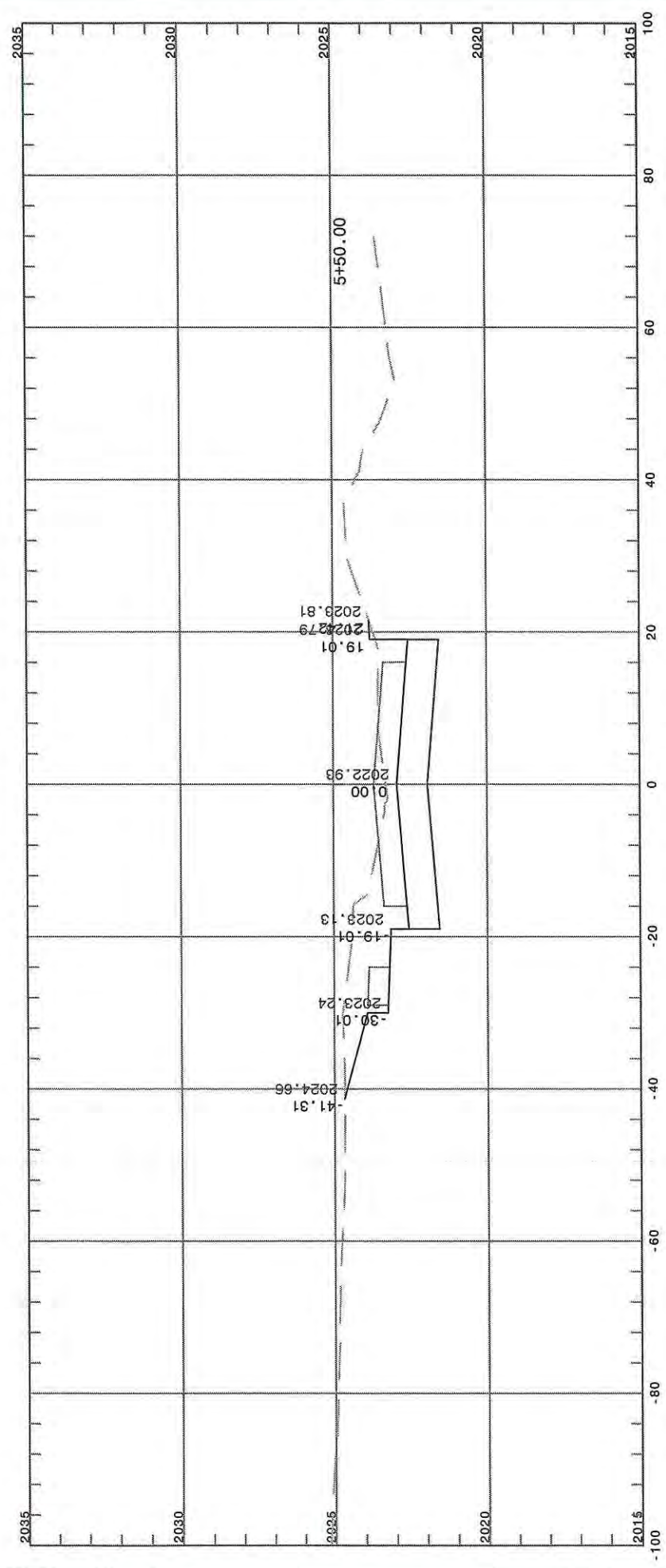
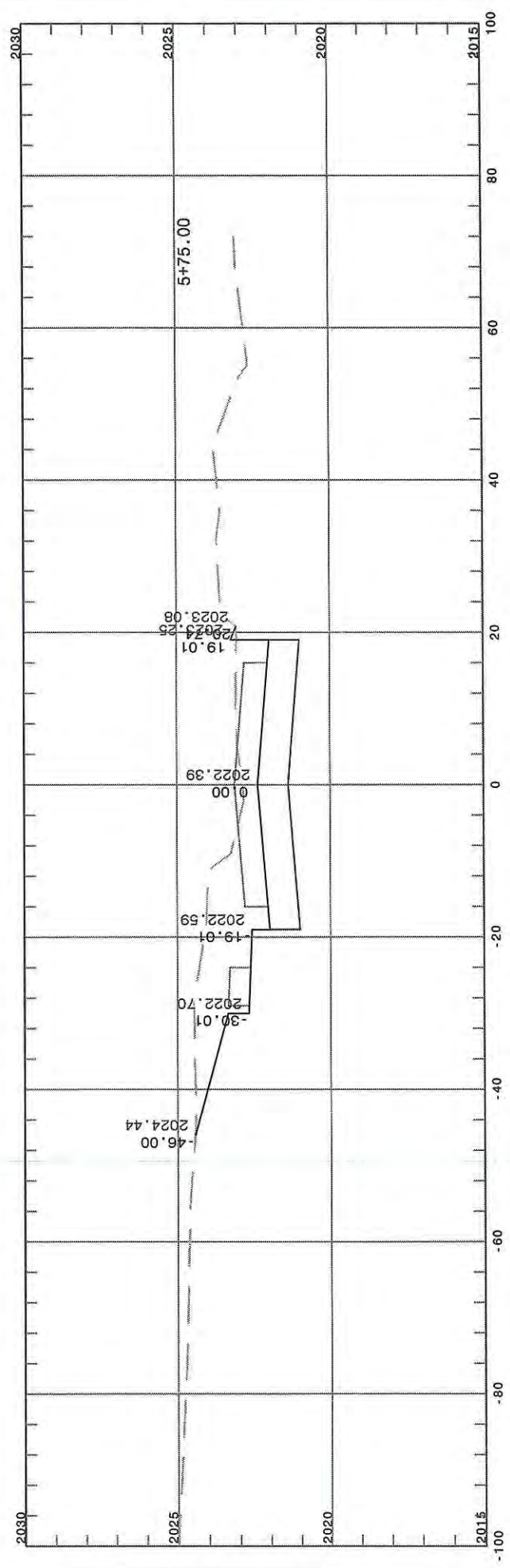




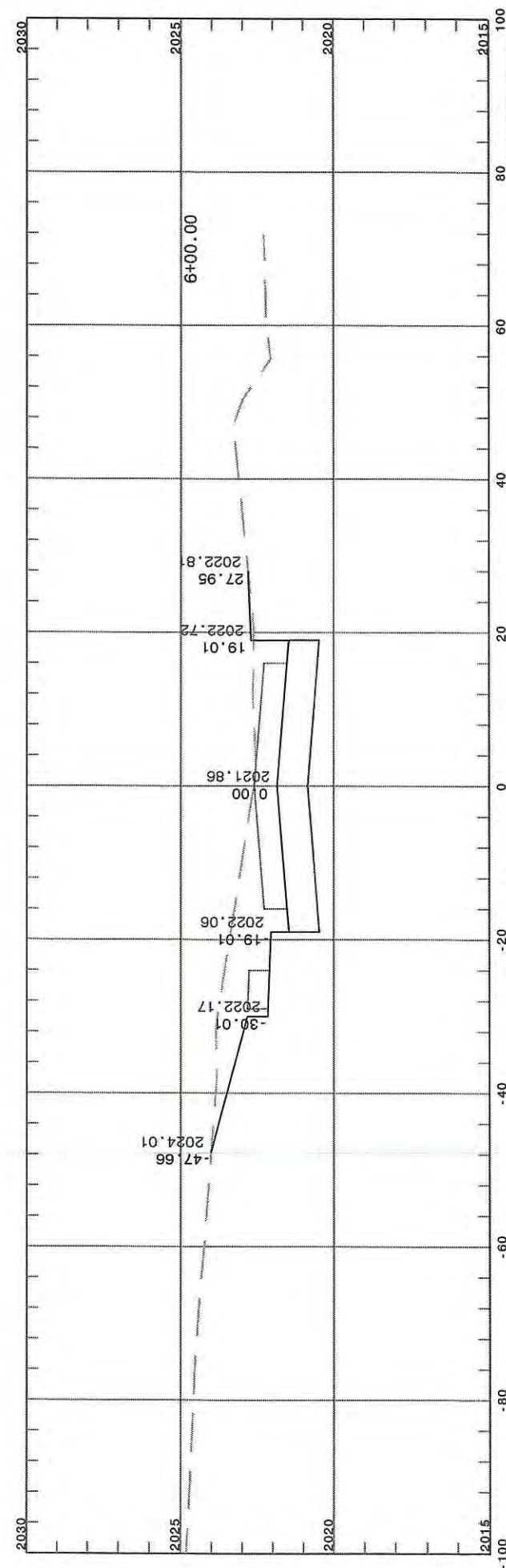
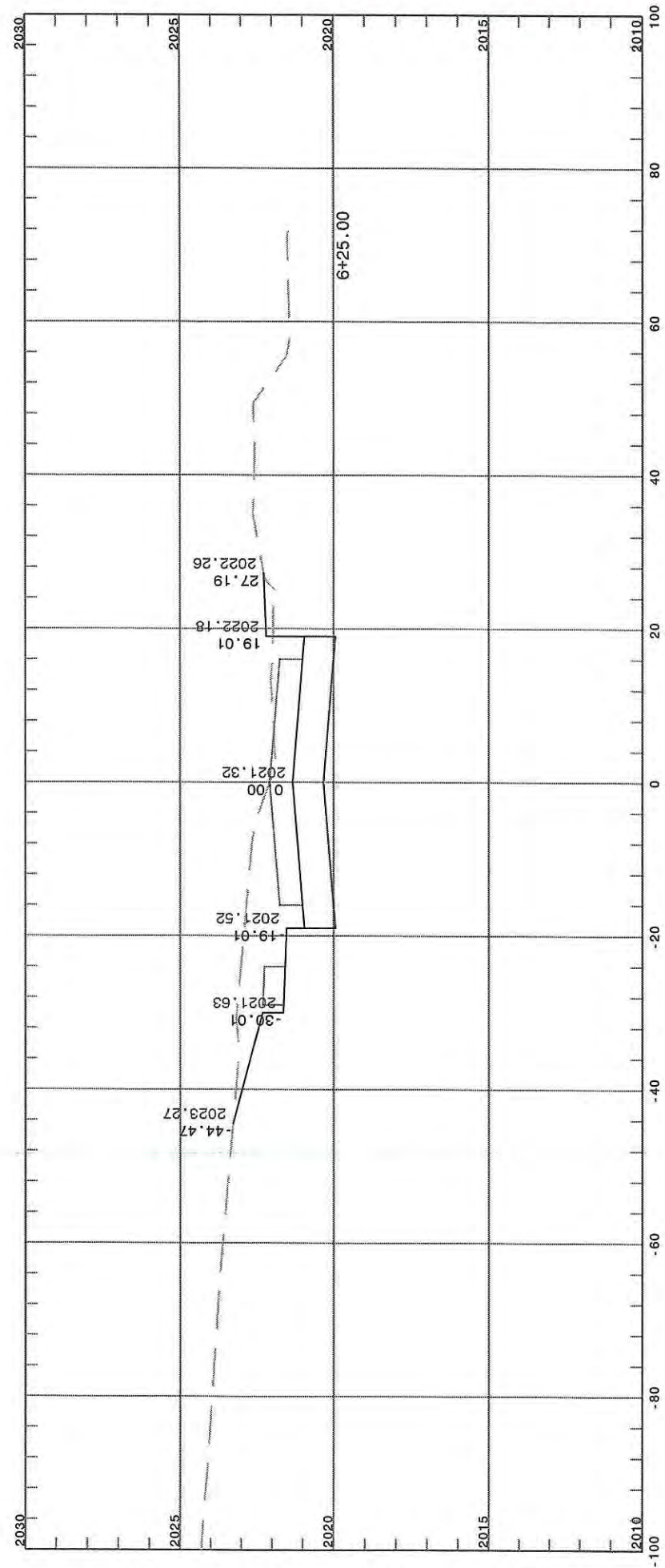
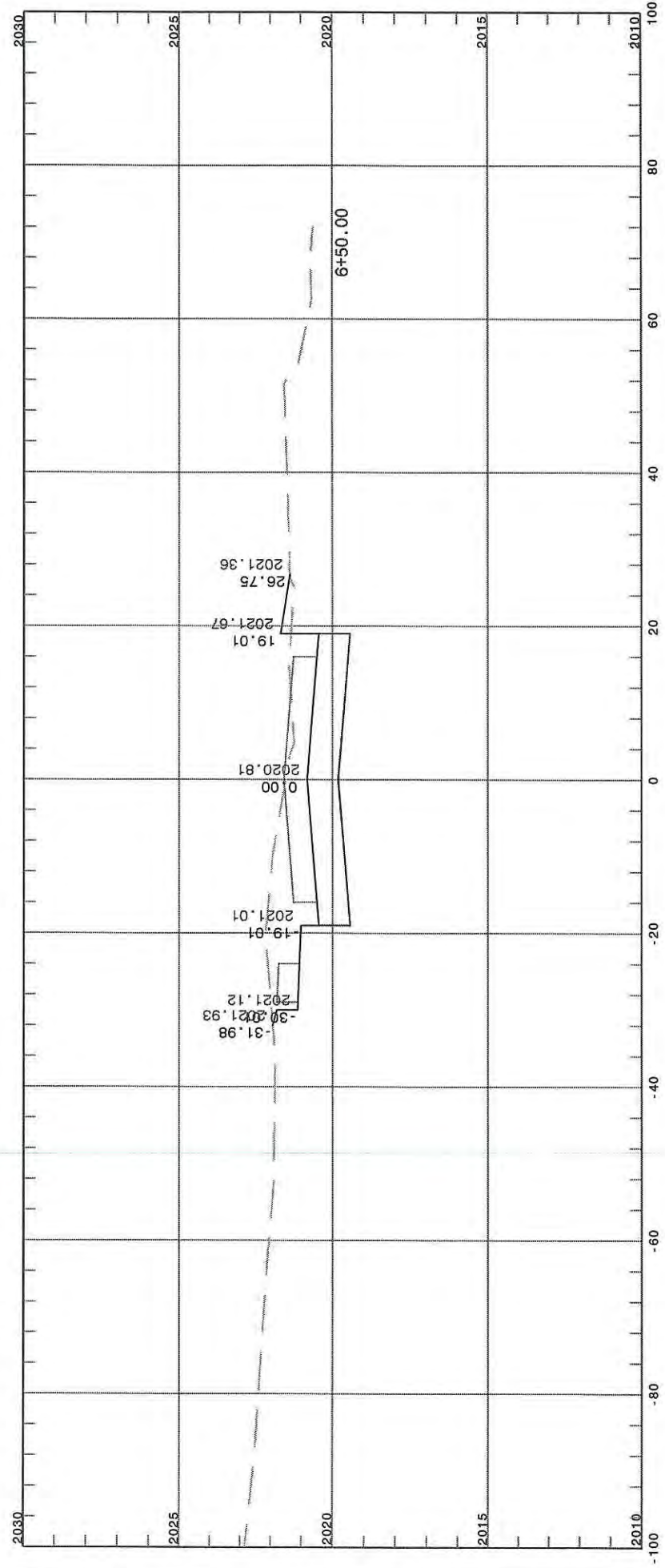


STA. 3+62.30 TO STA. 4+25.00

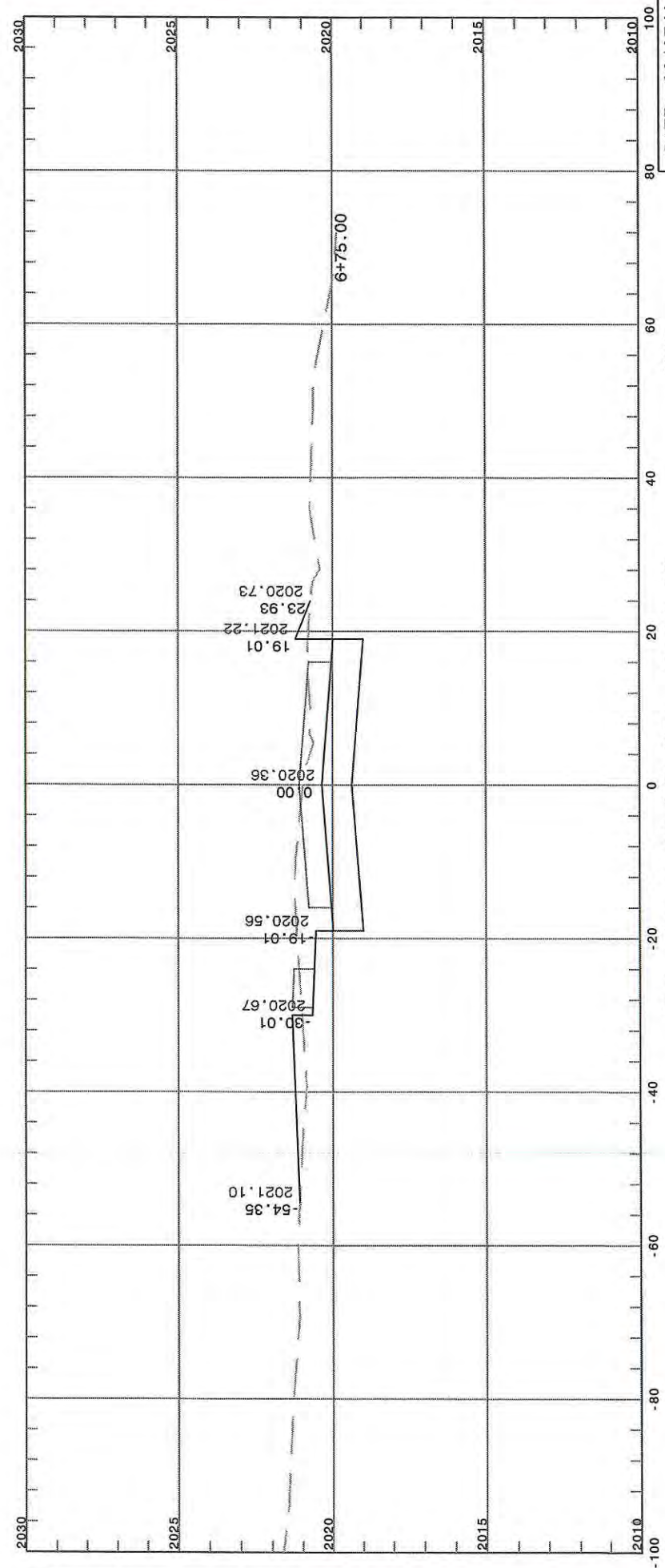
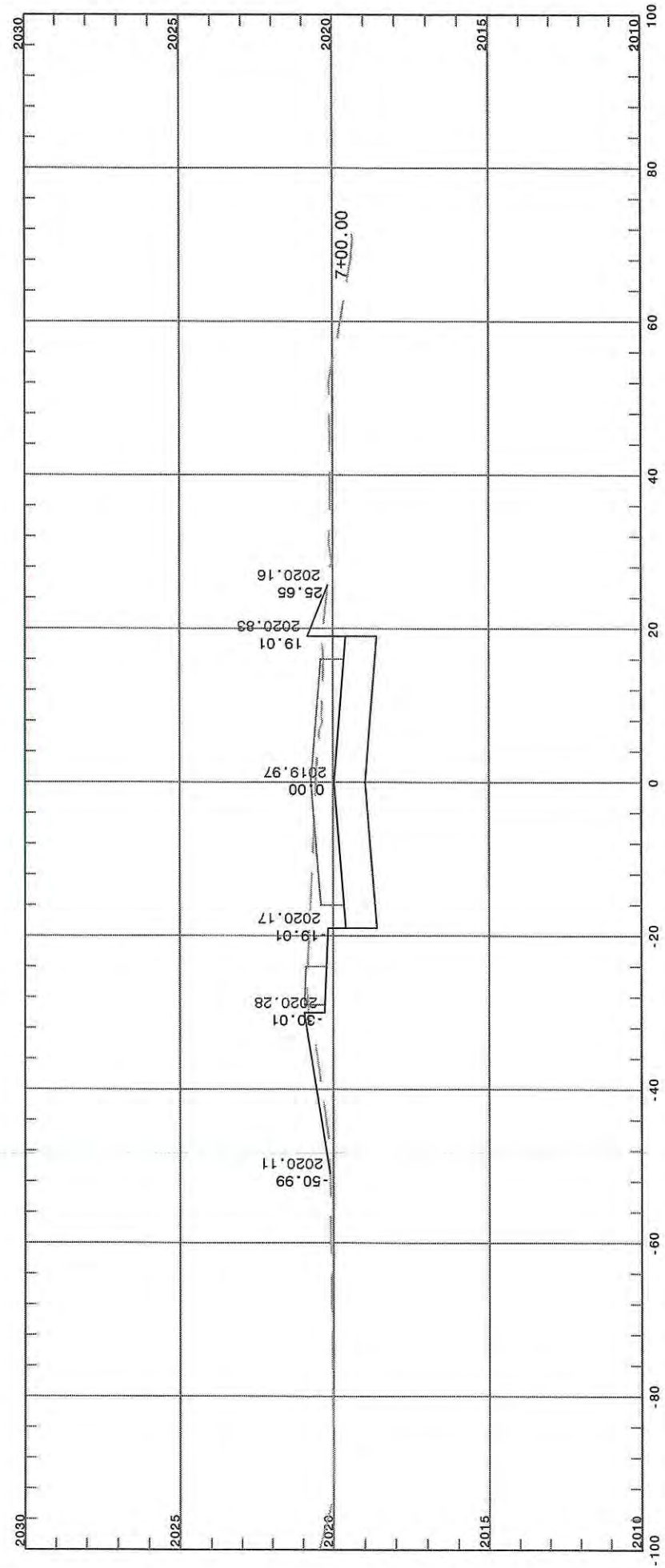
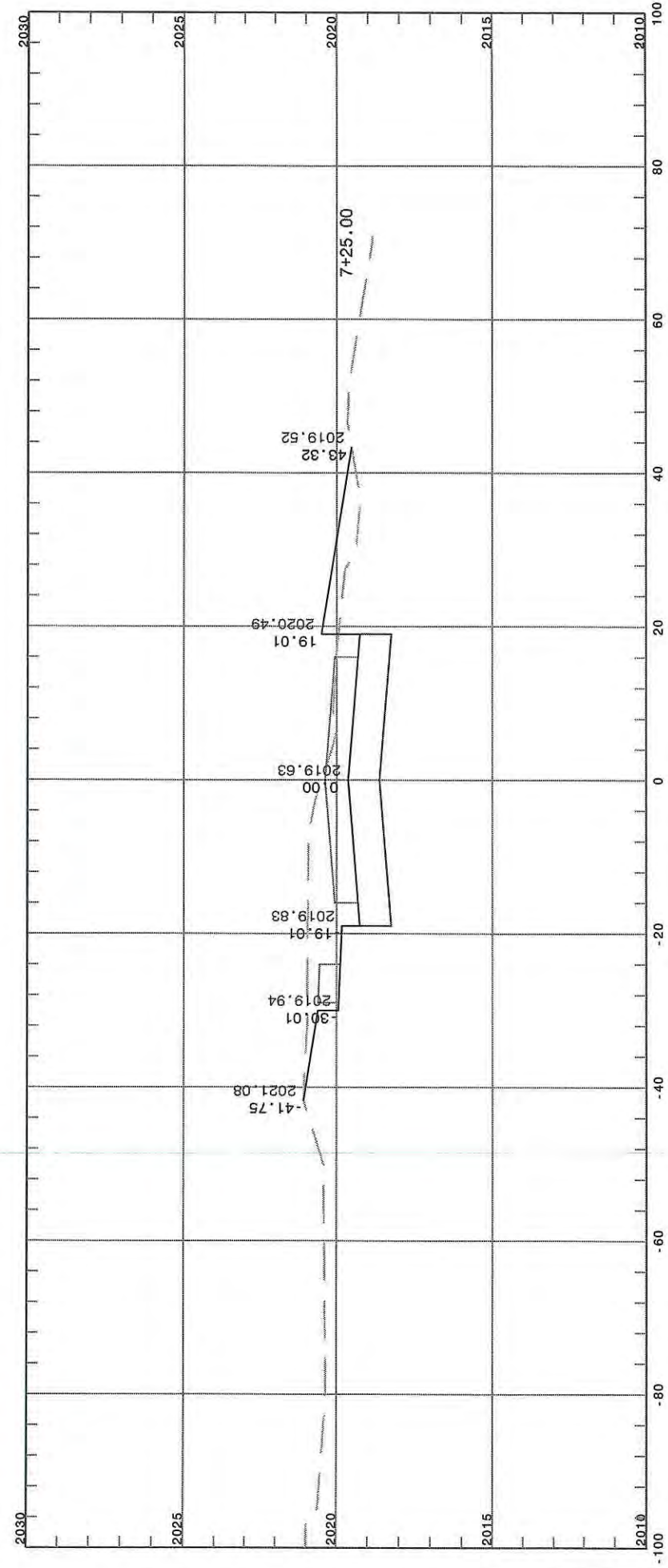




STA. 5+25.00 TO STA. 5+75.00



STA. 6+00.00 TO STA. 6+50.00

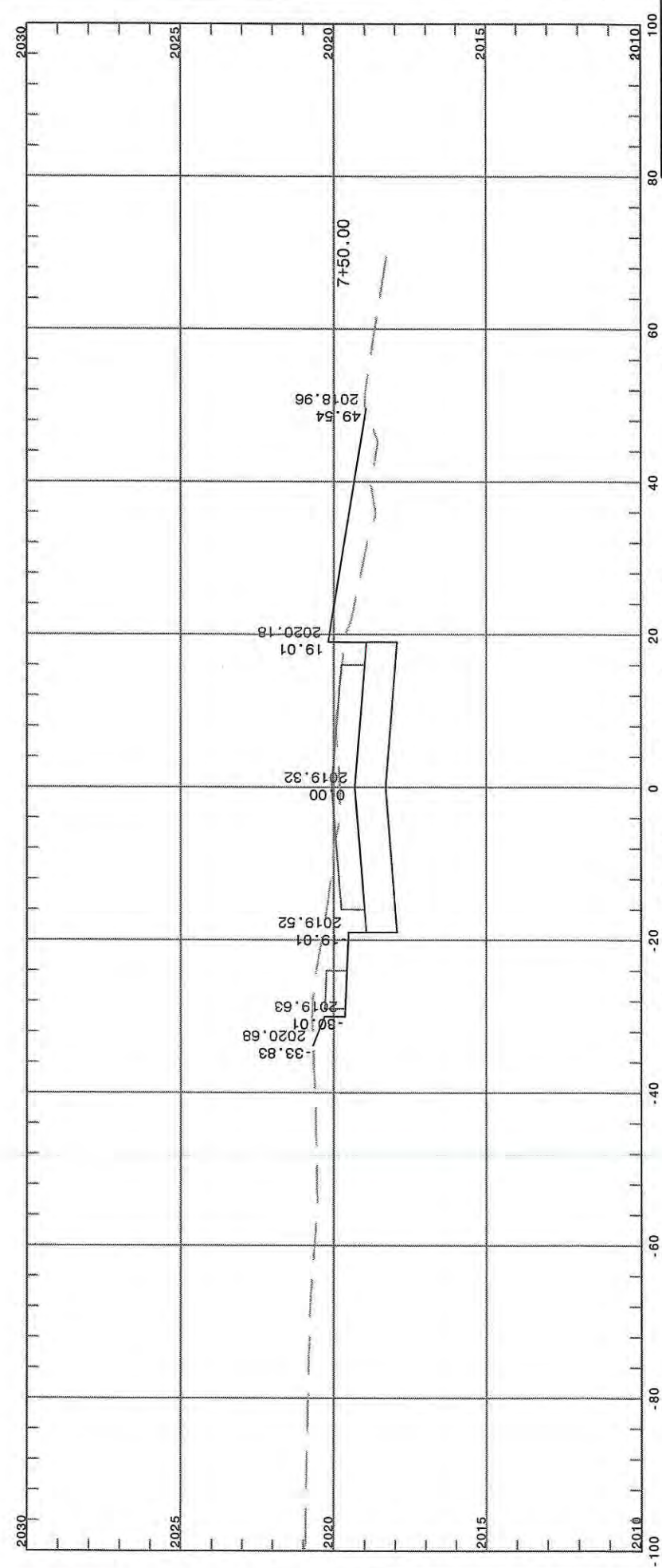
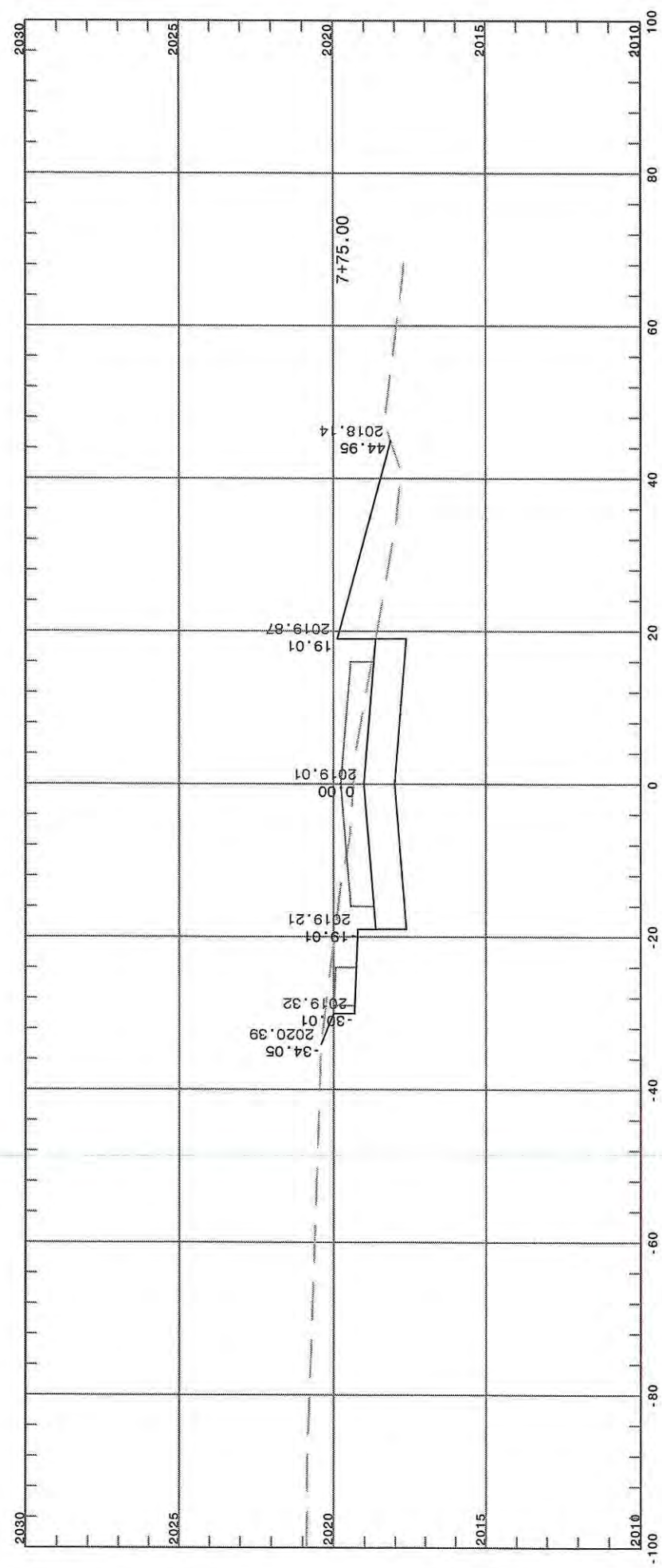
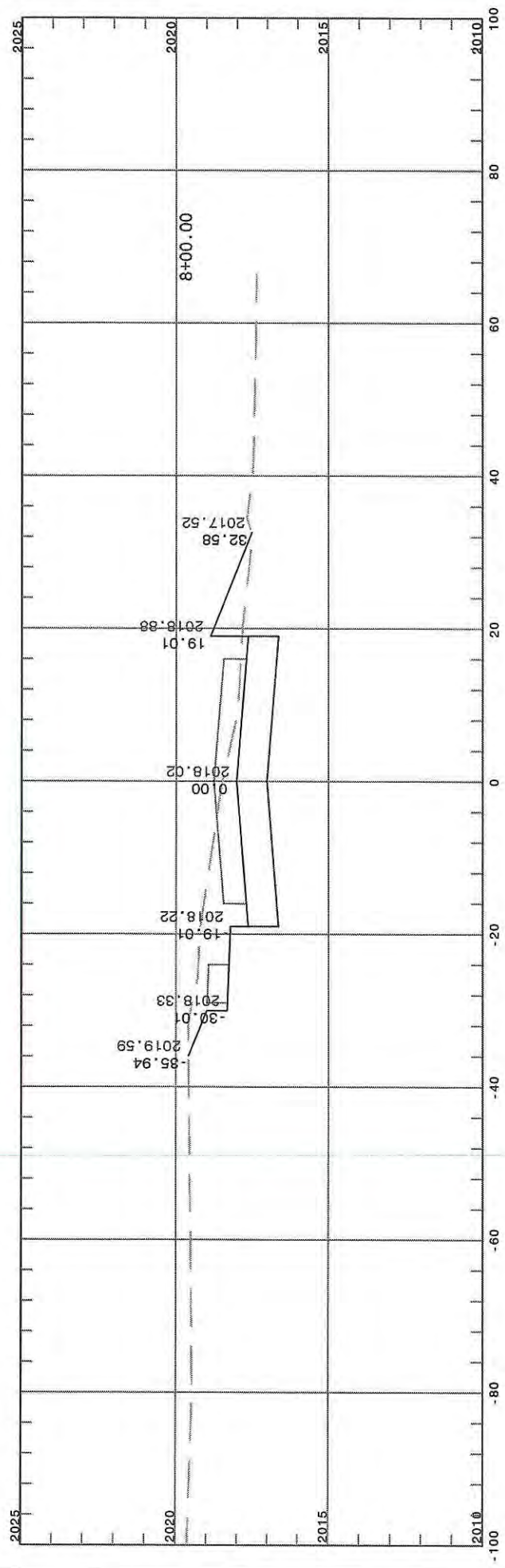


STA. 6+75.00 TO STA. 7+25.00

N 2ND SESAME STREET

SCALE
1"=5' VERTICAL
1"=20' HORIZONTAL

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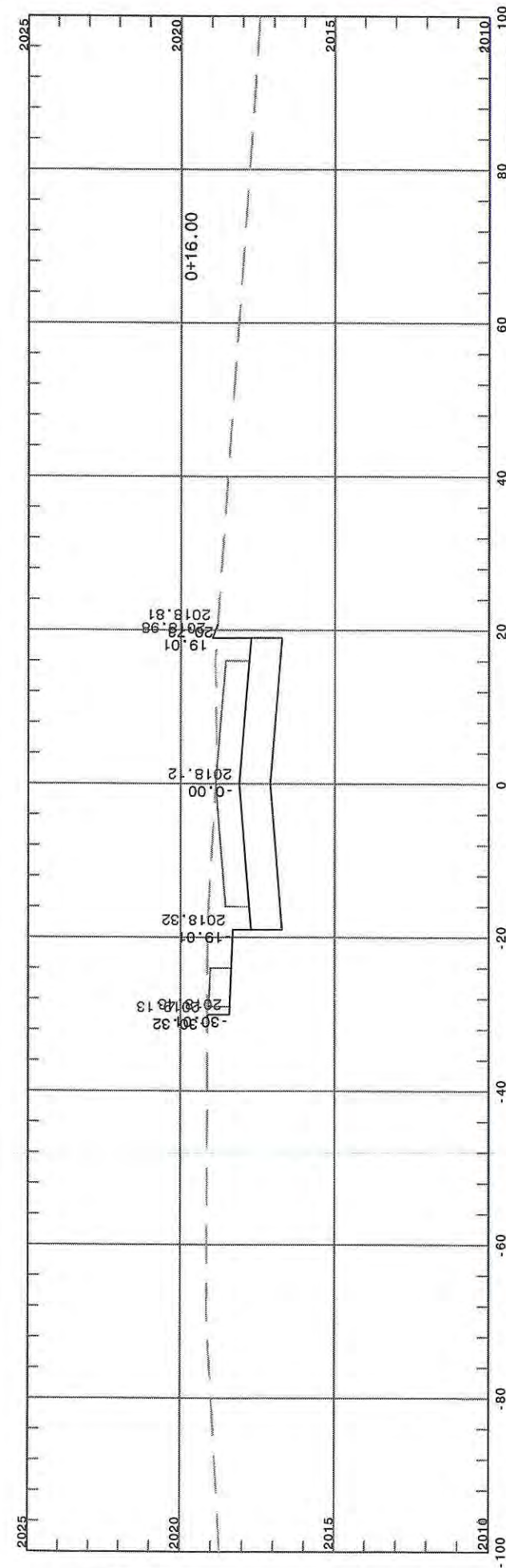
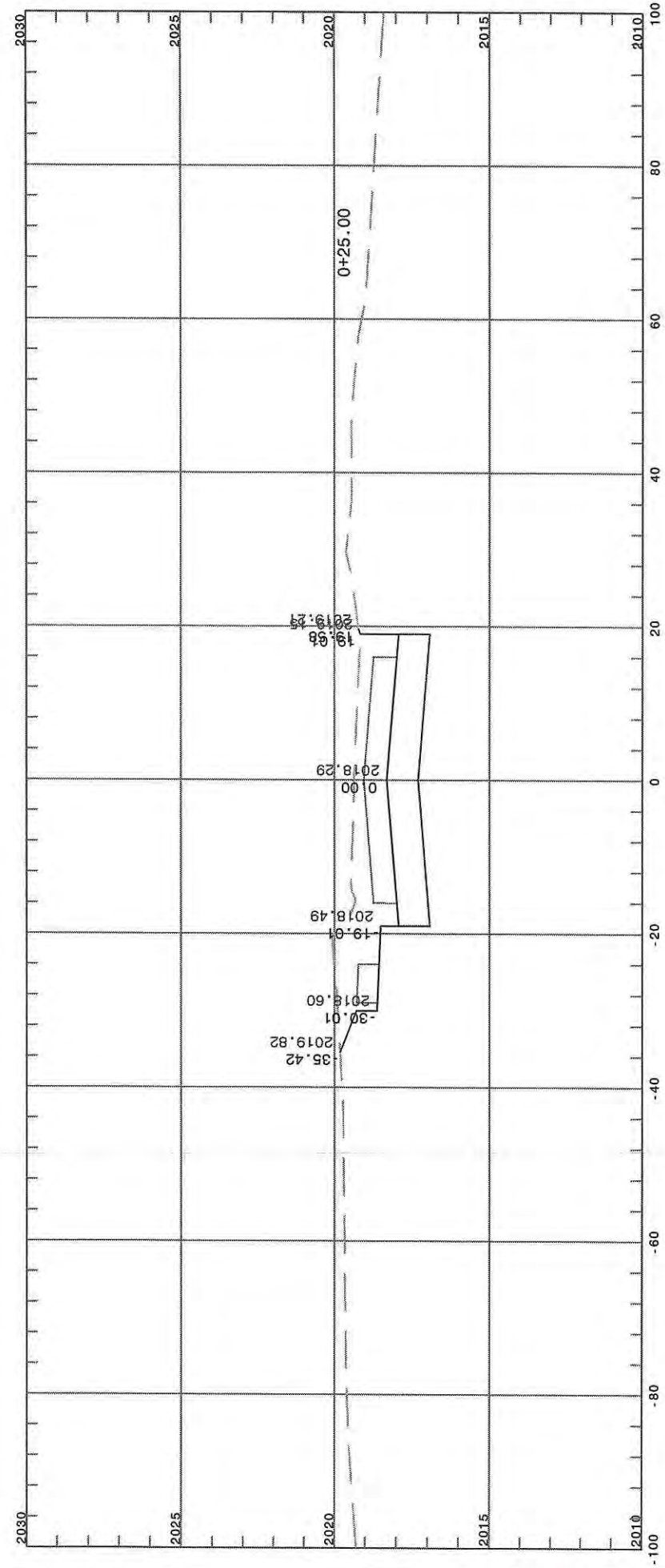
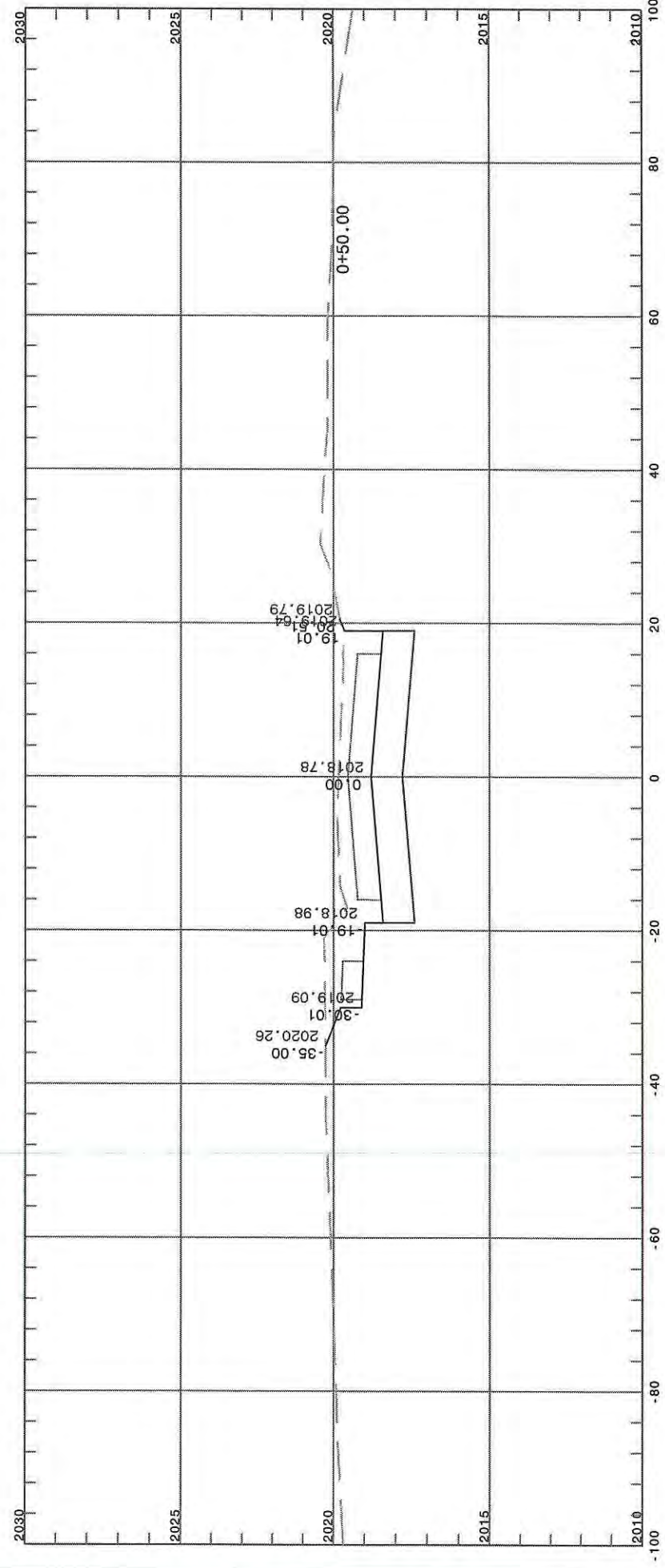


STA. 8+25.00 TO STA. 8+25.00

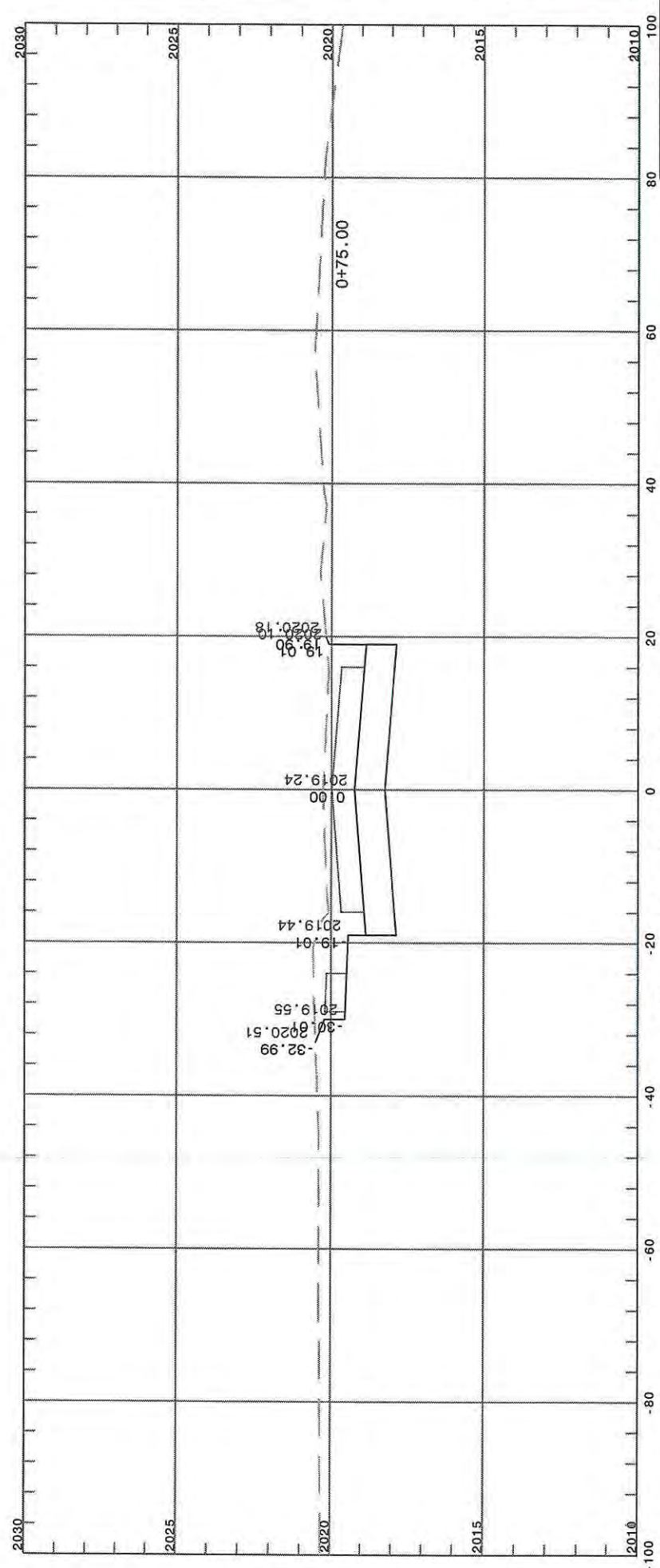
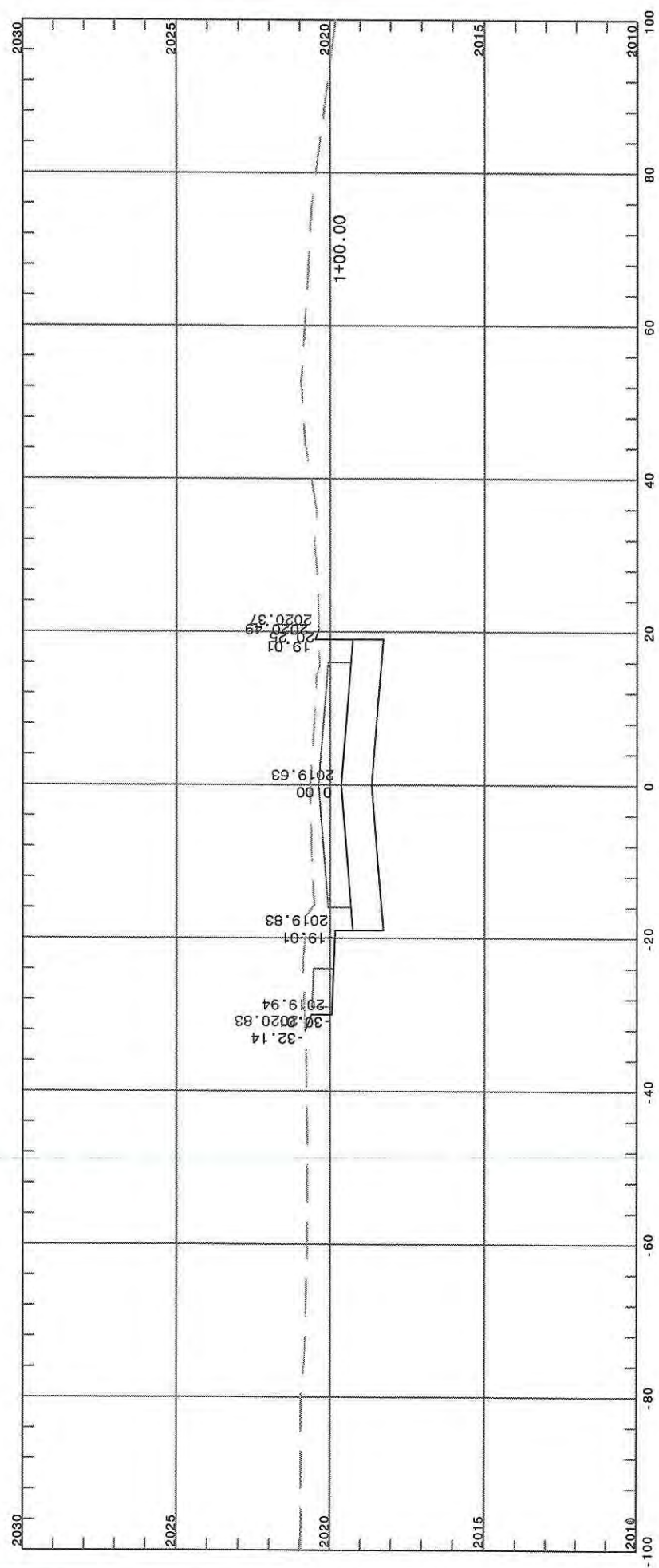
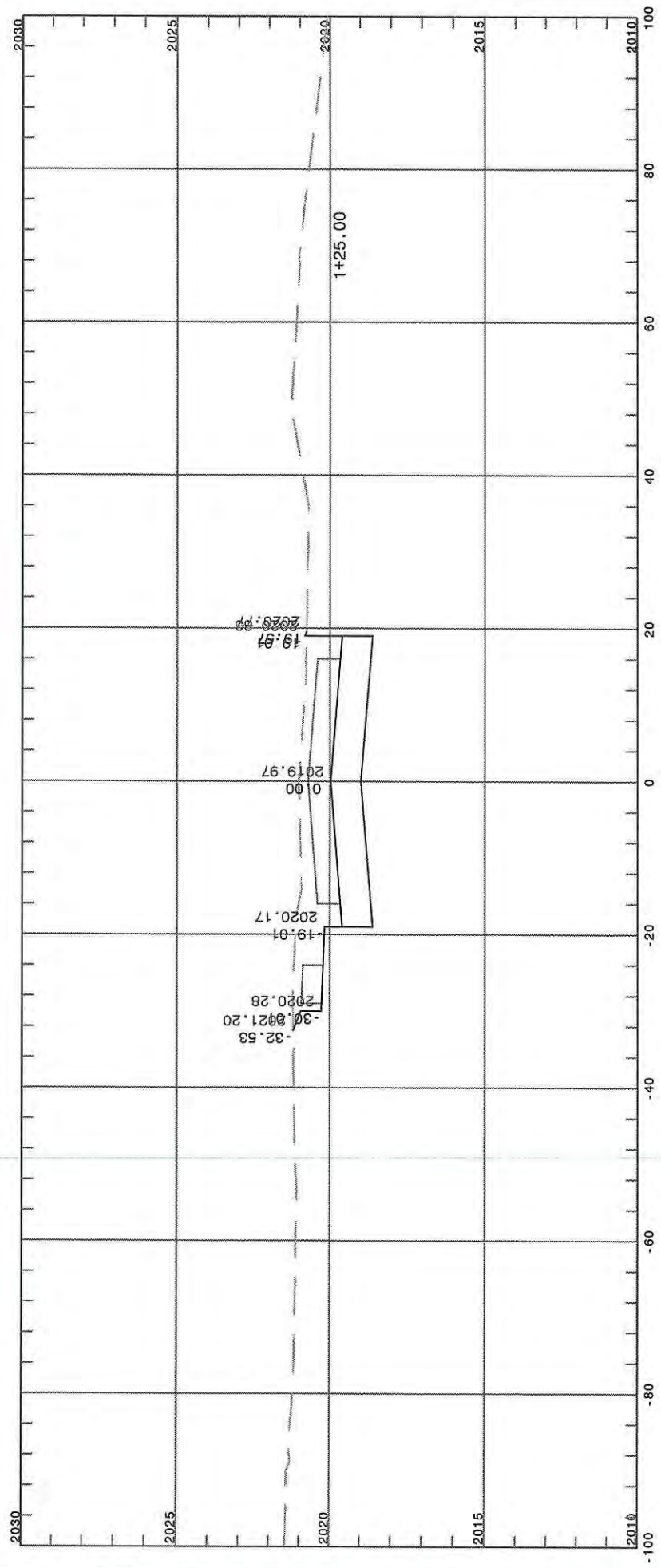
N 2ND SESAME STREET

SCALE
1"=5' VERTICAL
1"=20' HORIZONTAL

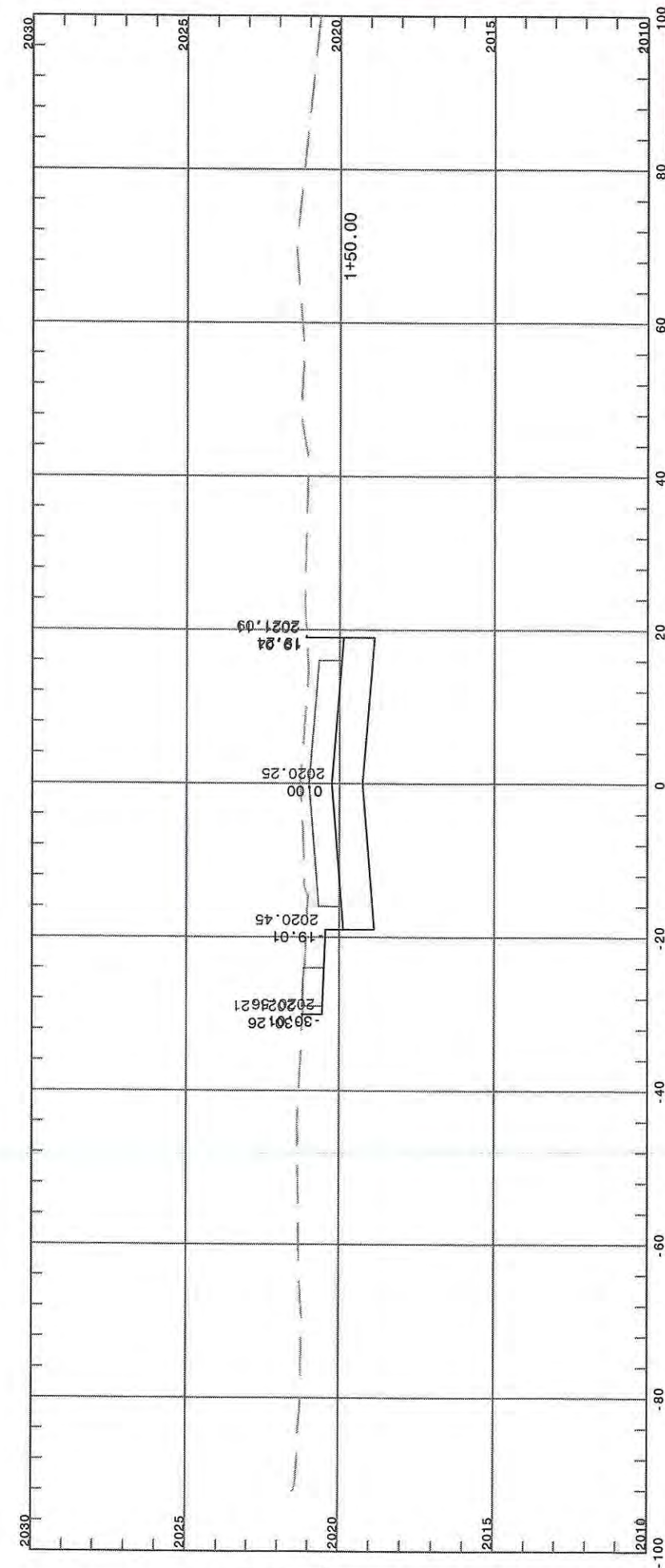
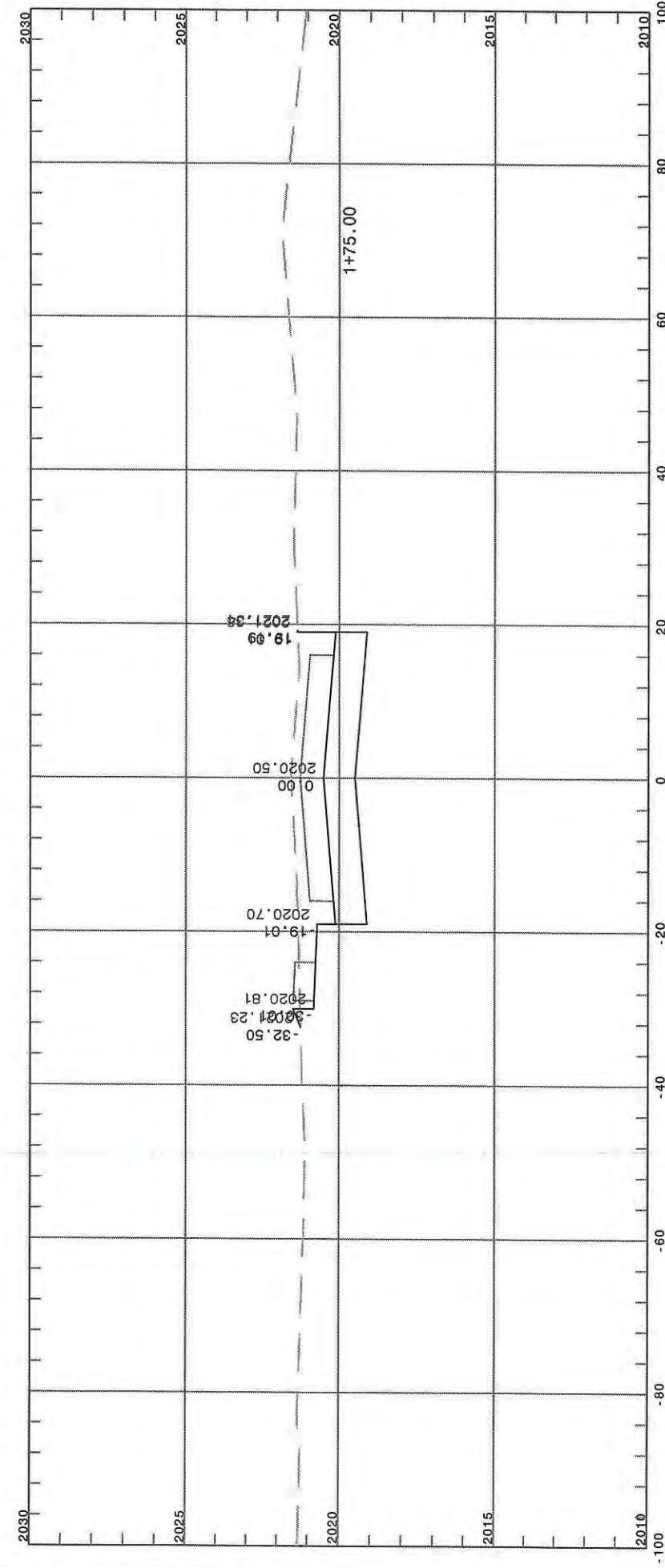
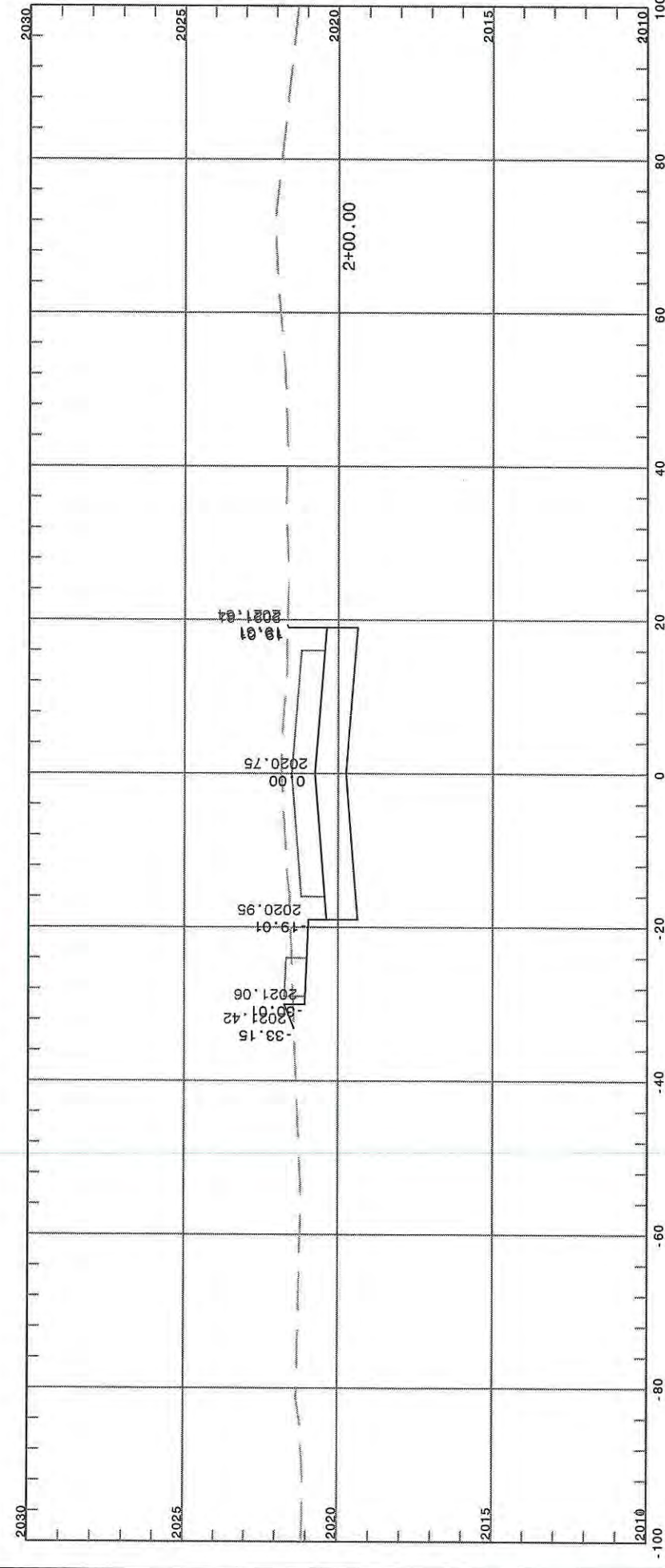
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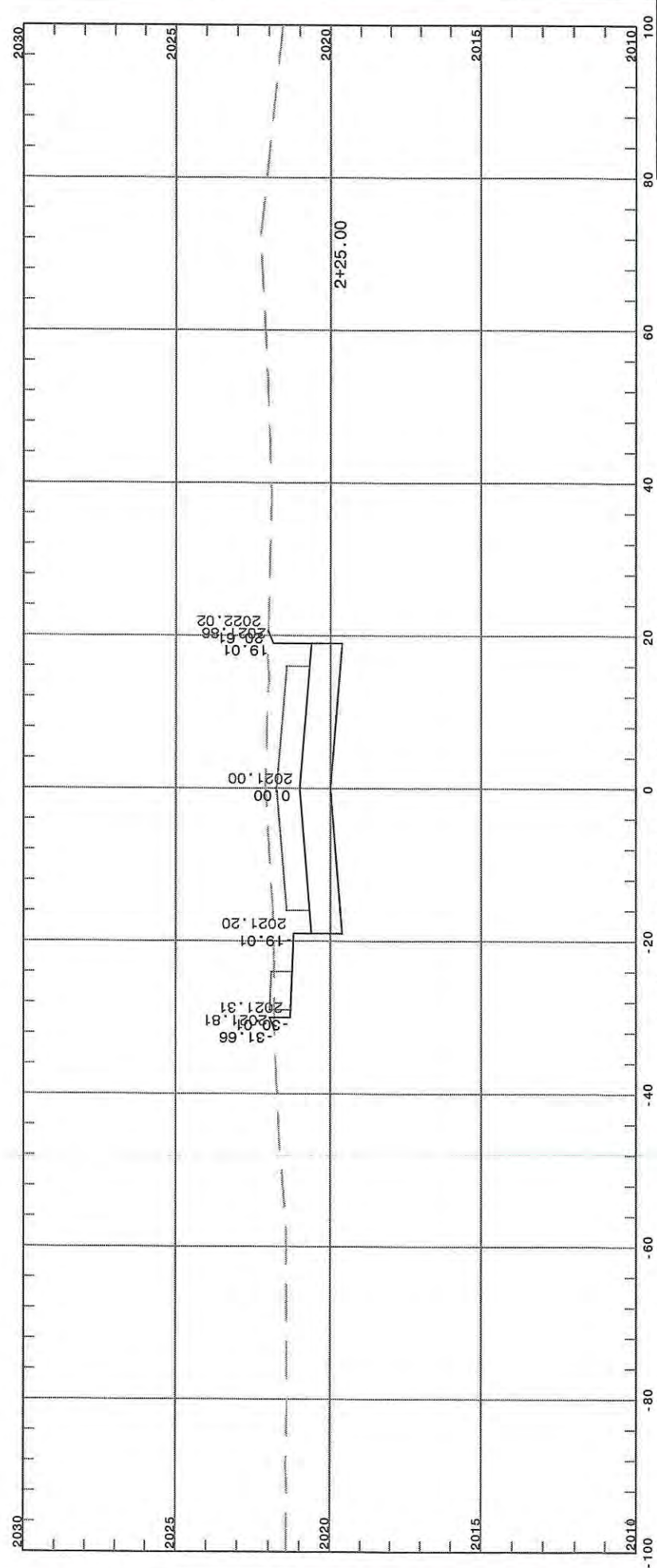
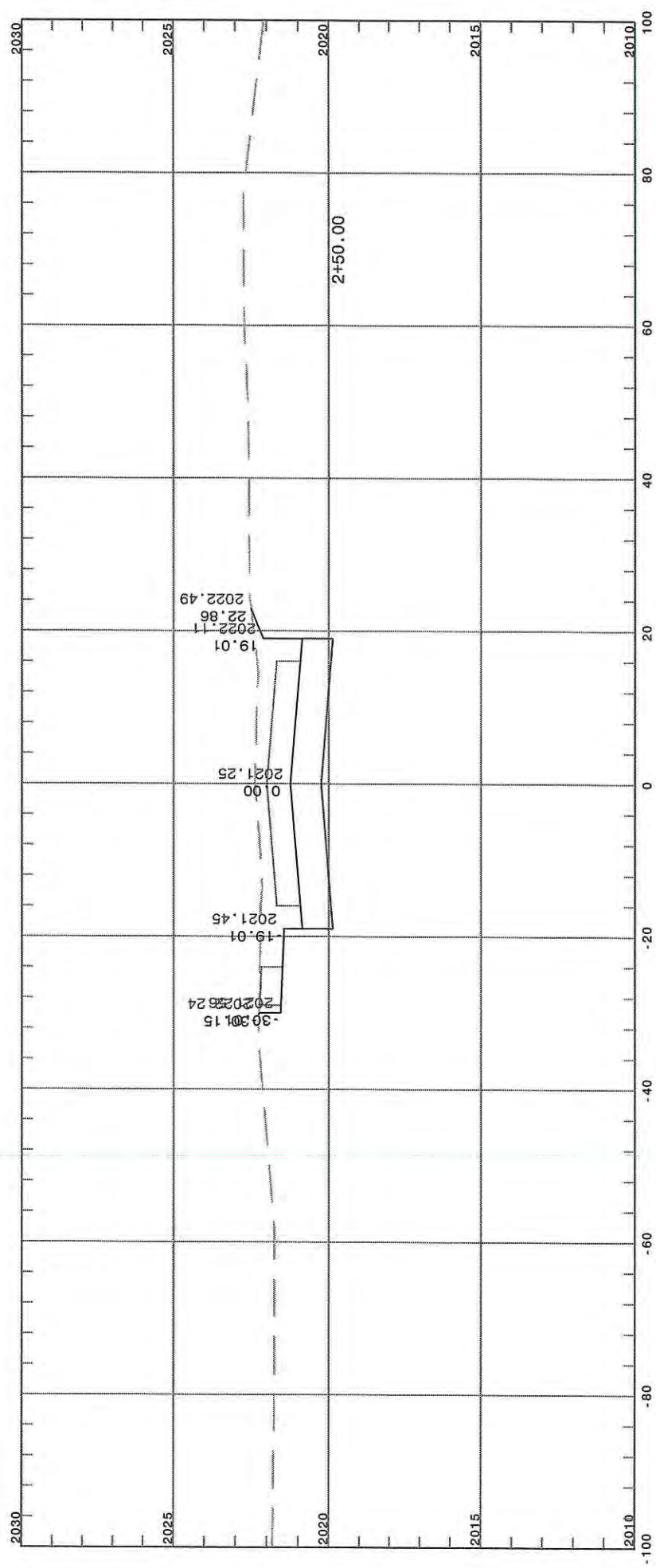
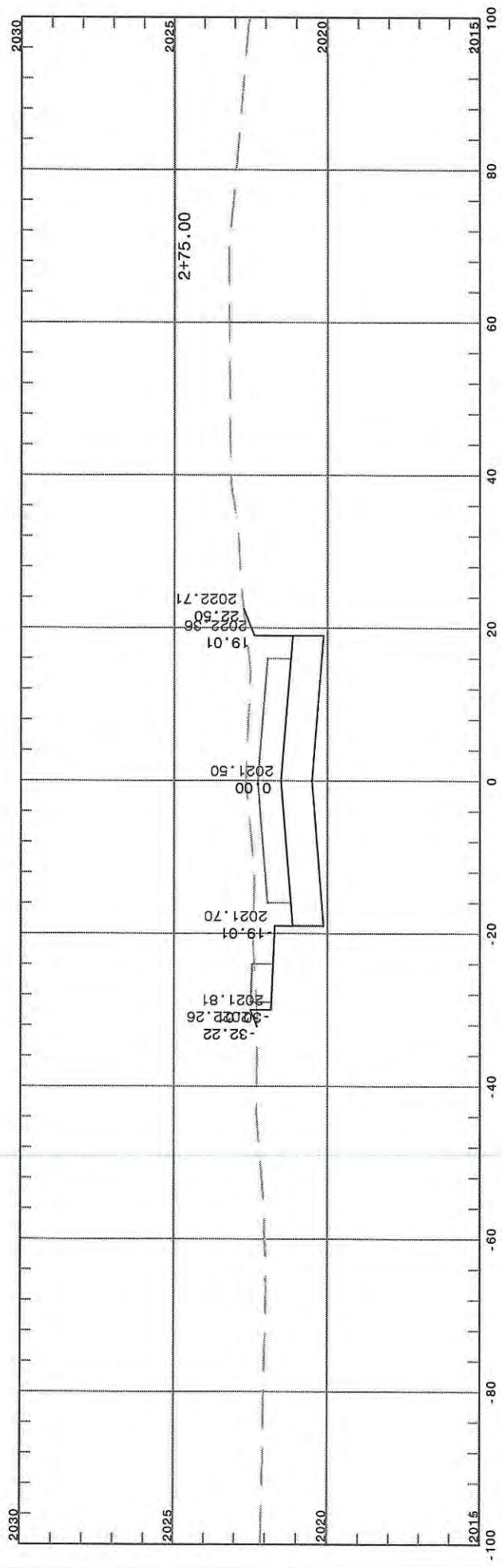
STA. 0+16.00 TO STA. 0+50.00

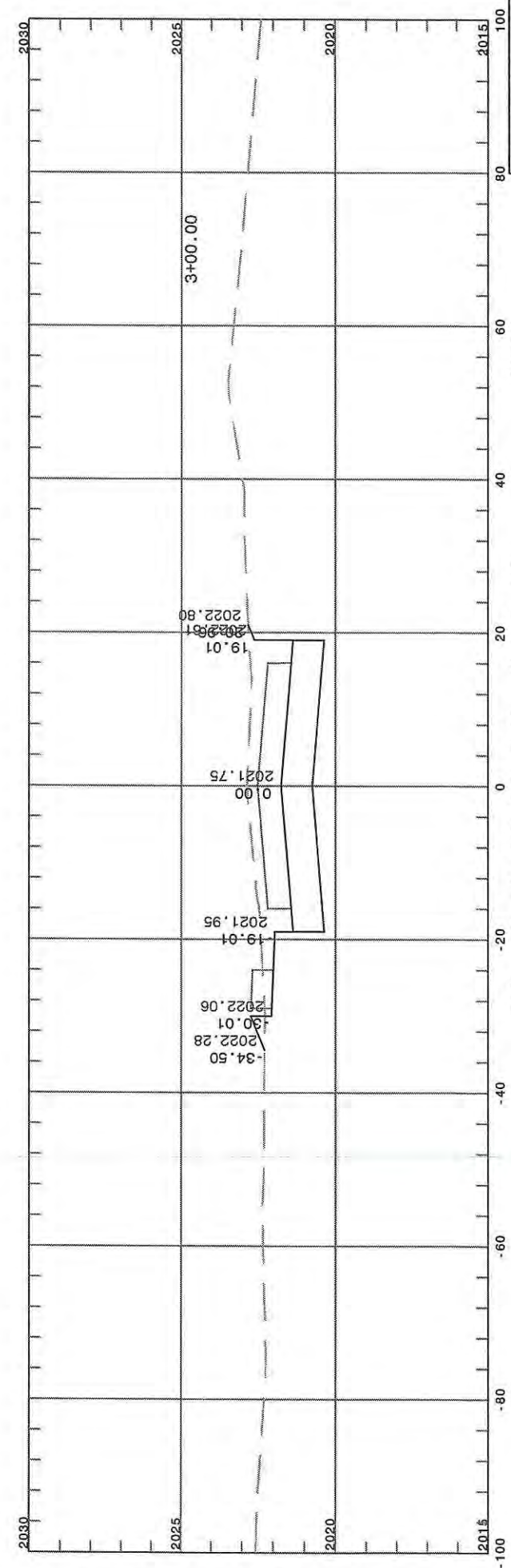
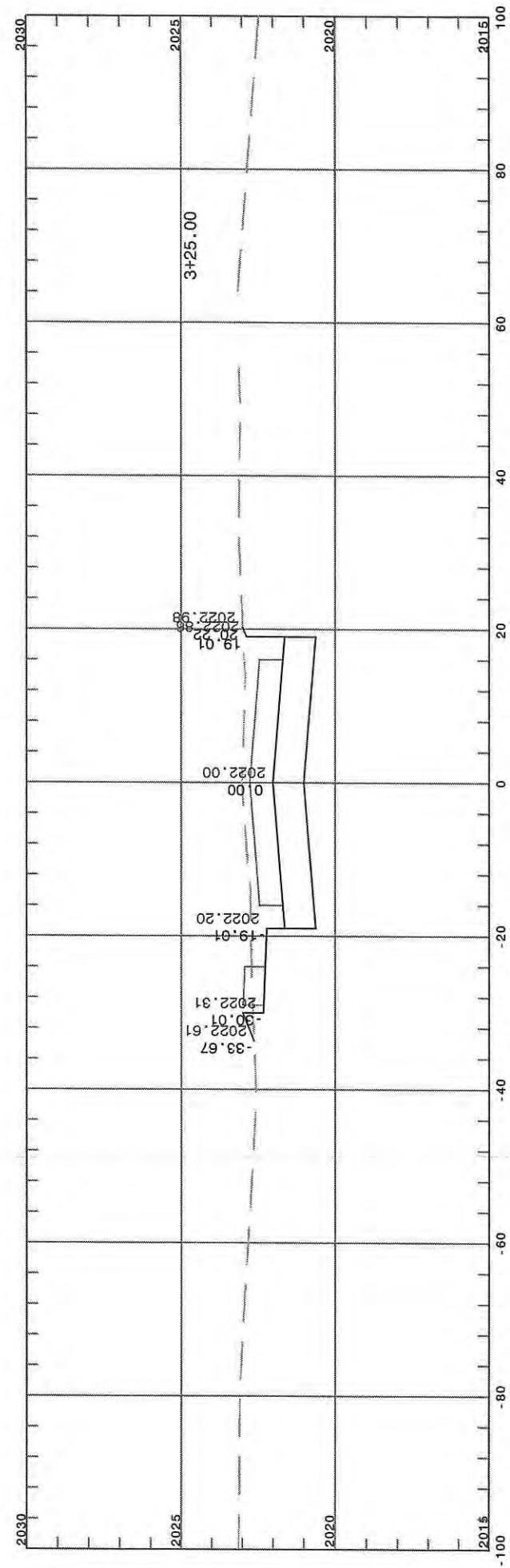
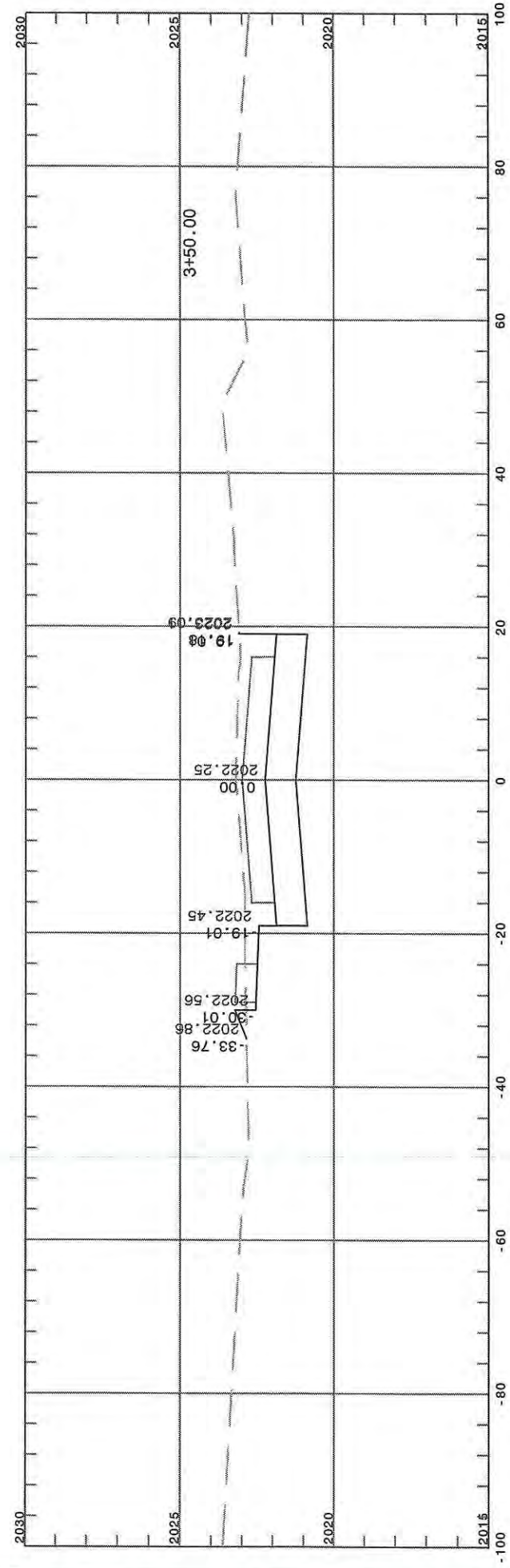
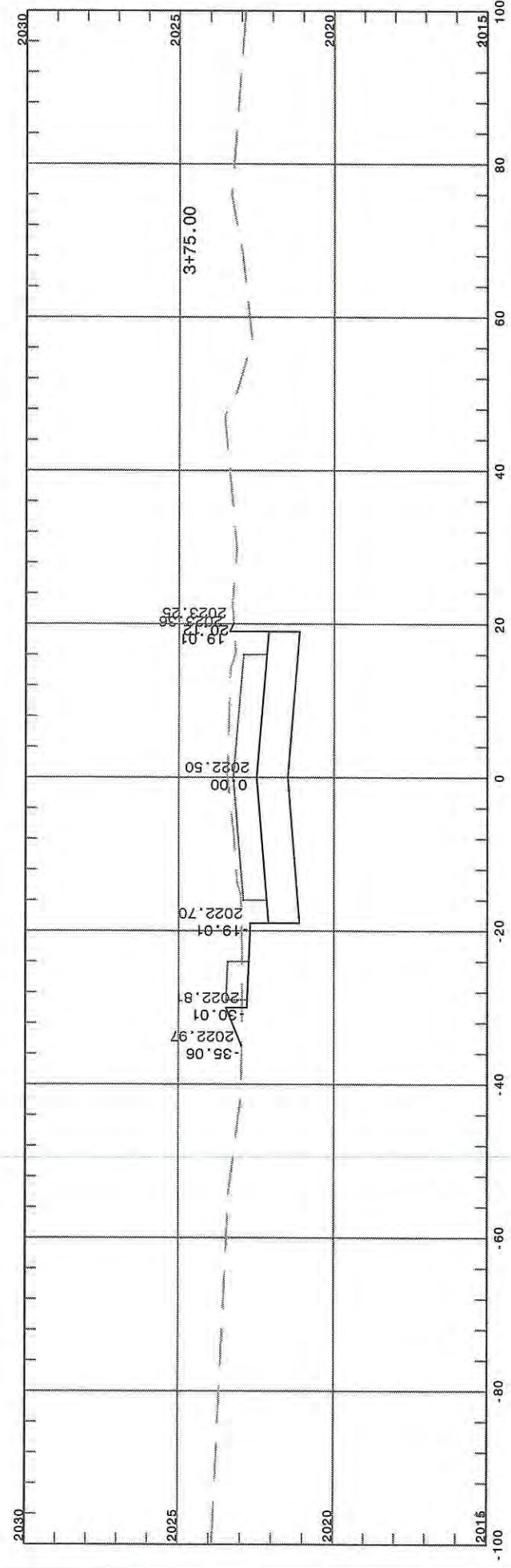


STA. 0+75.00 TO STA. 1+25.00

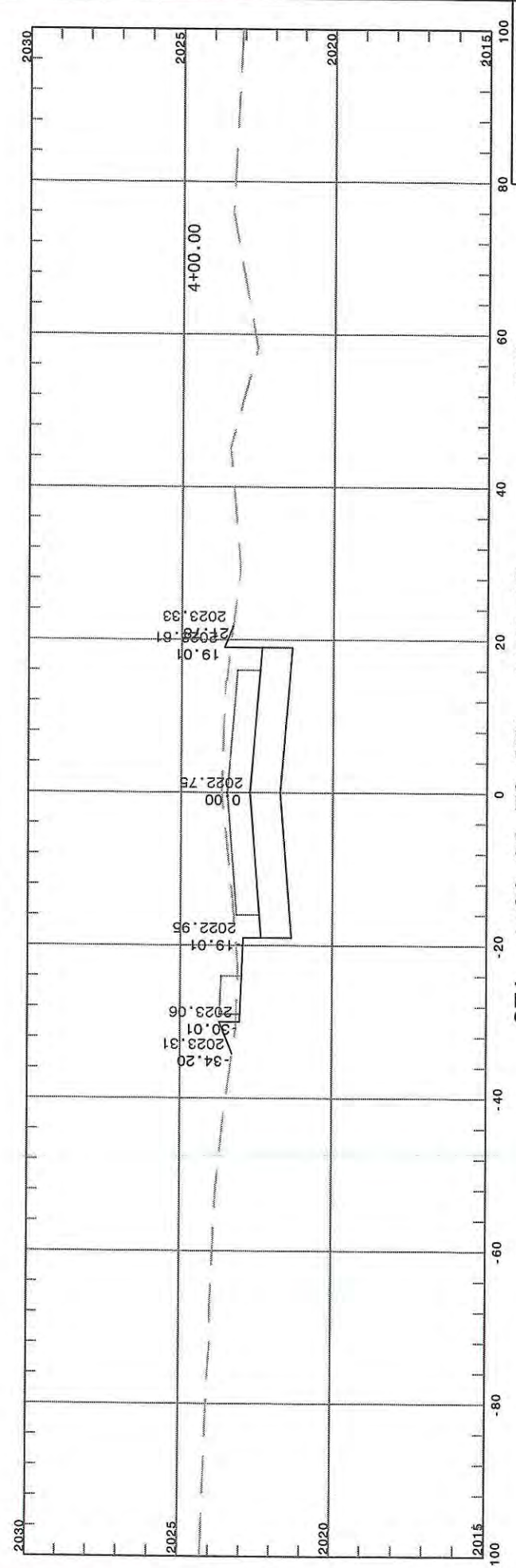
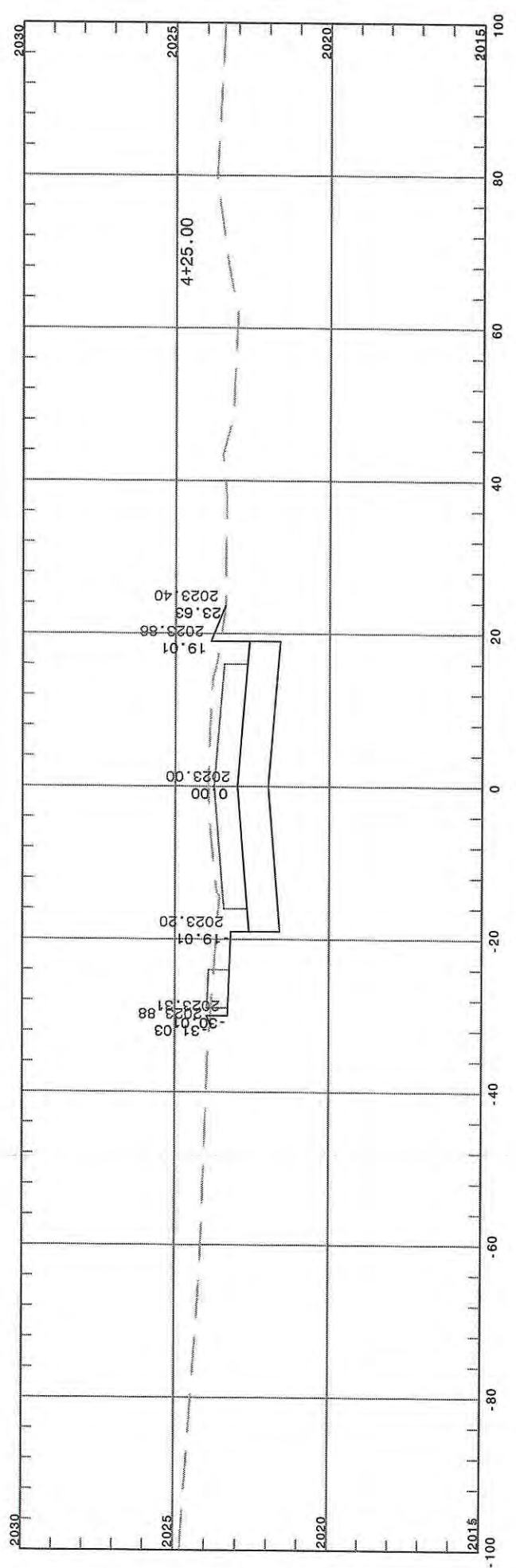
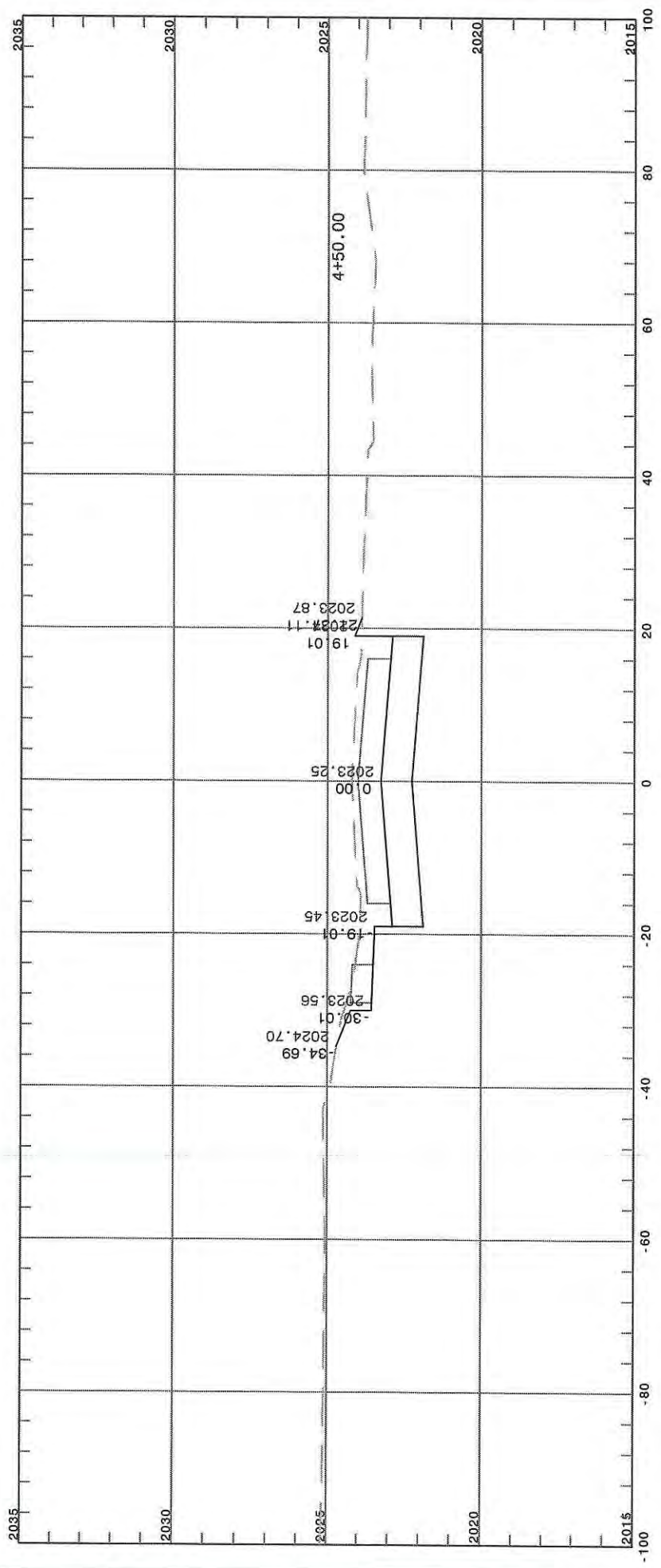


STA. 1+50.00 TO STA. 2+00.00

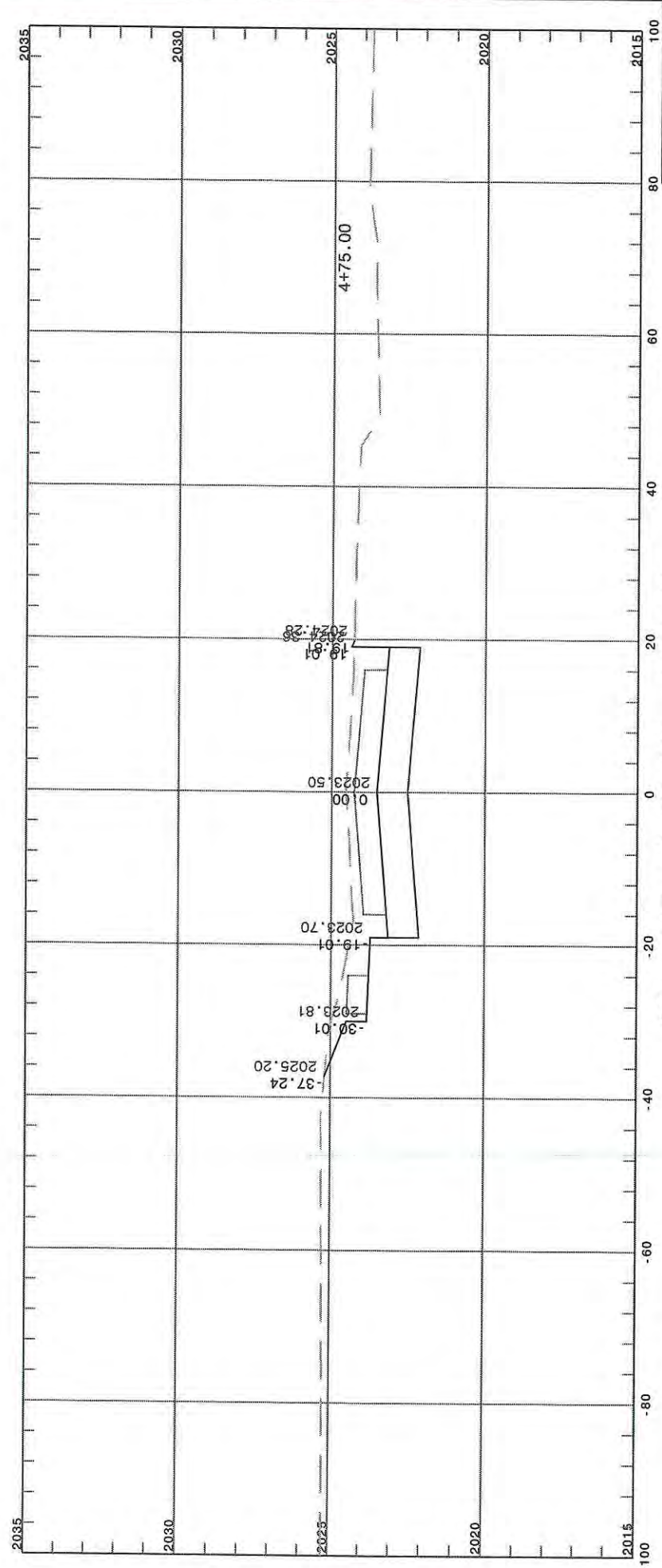
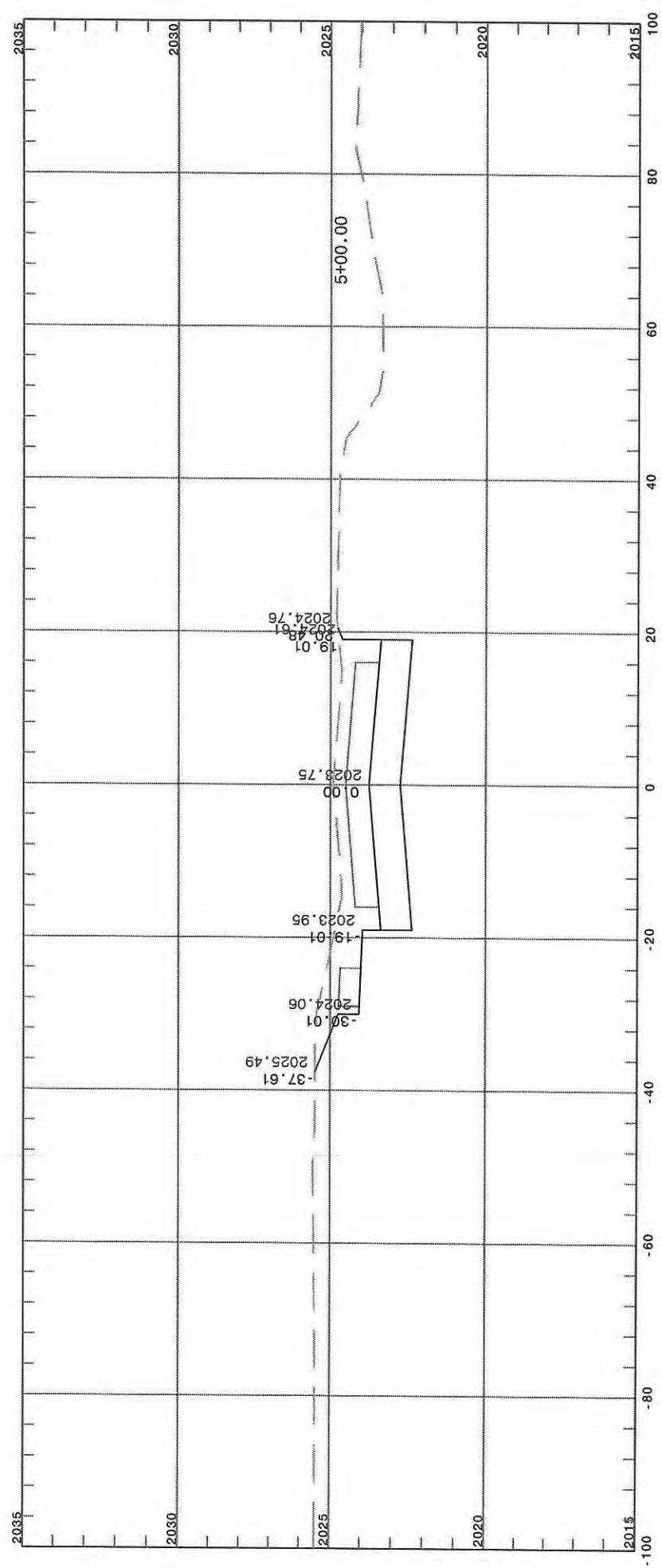
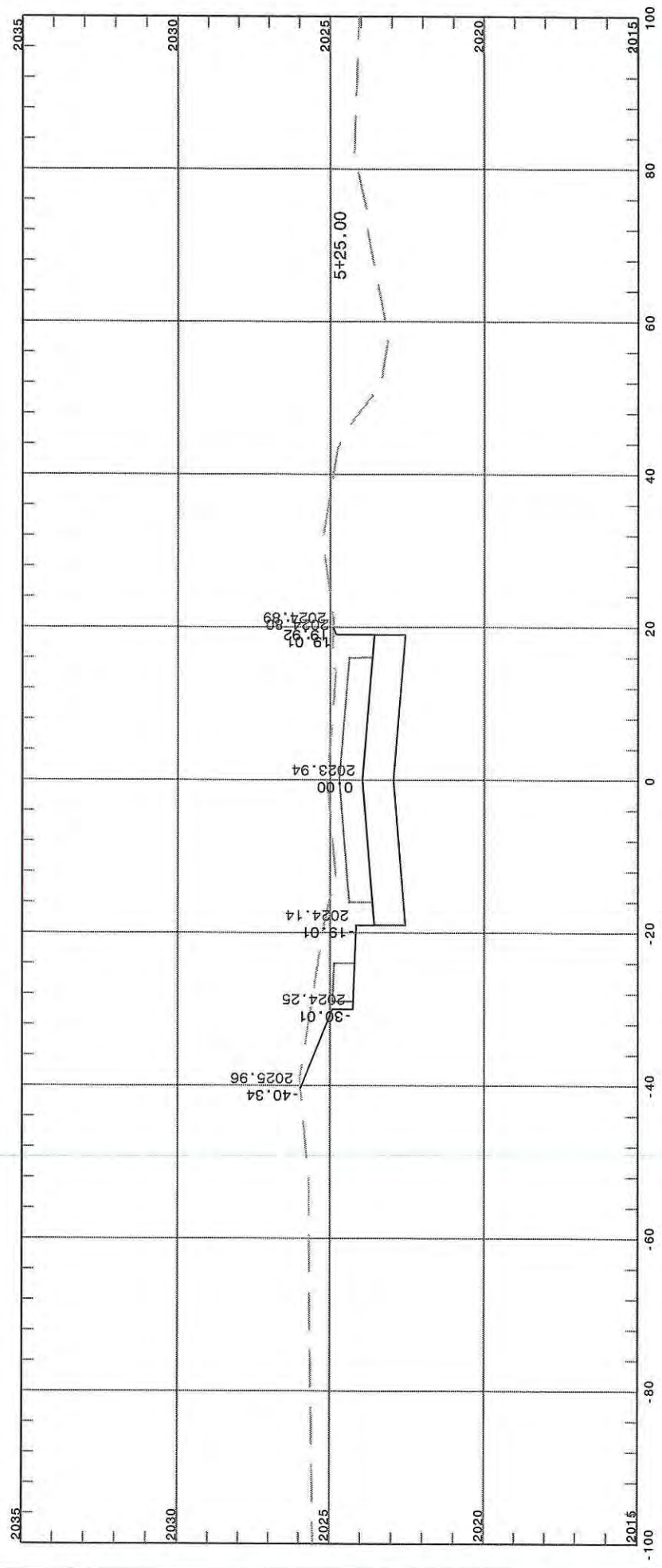


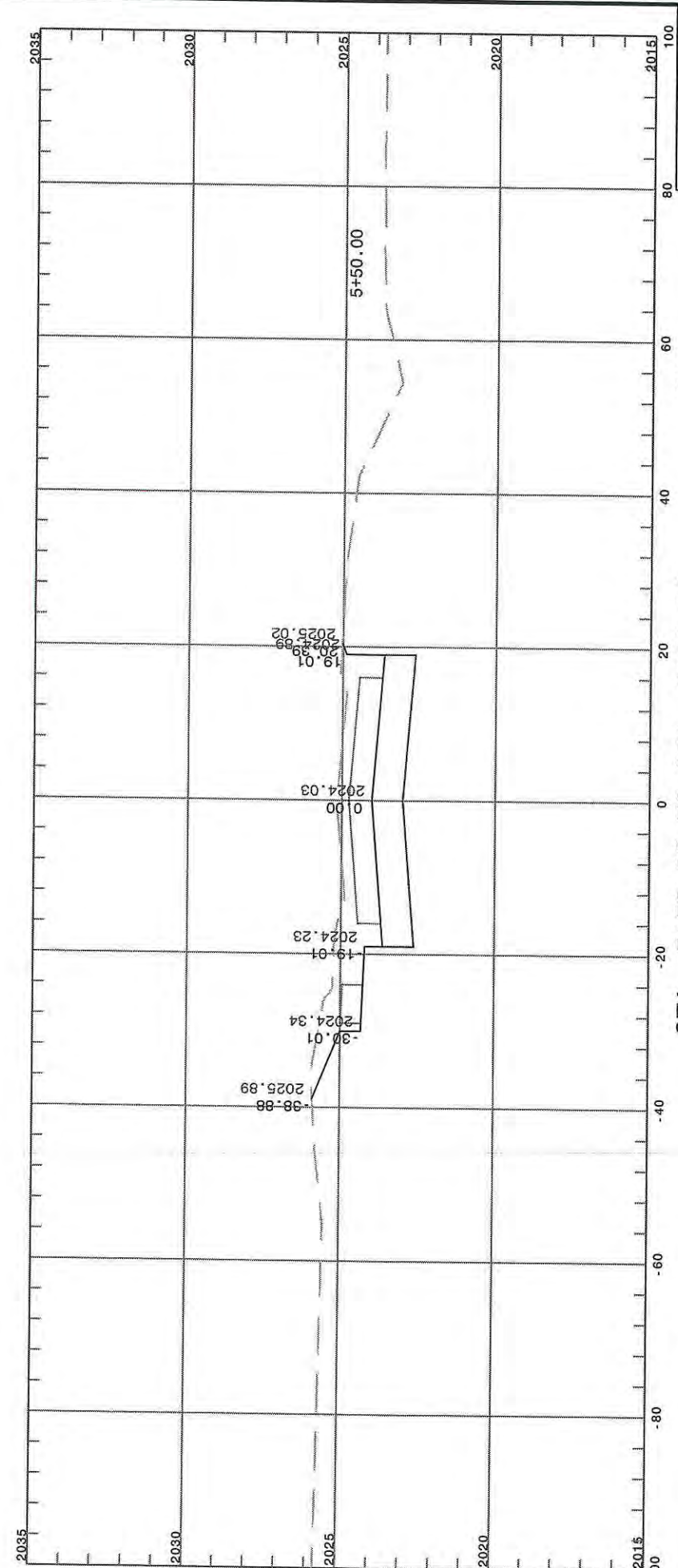
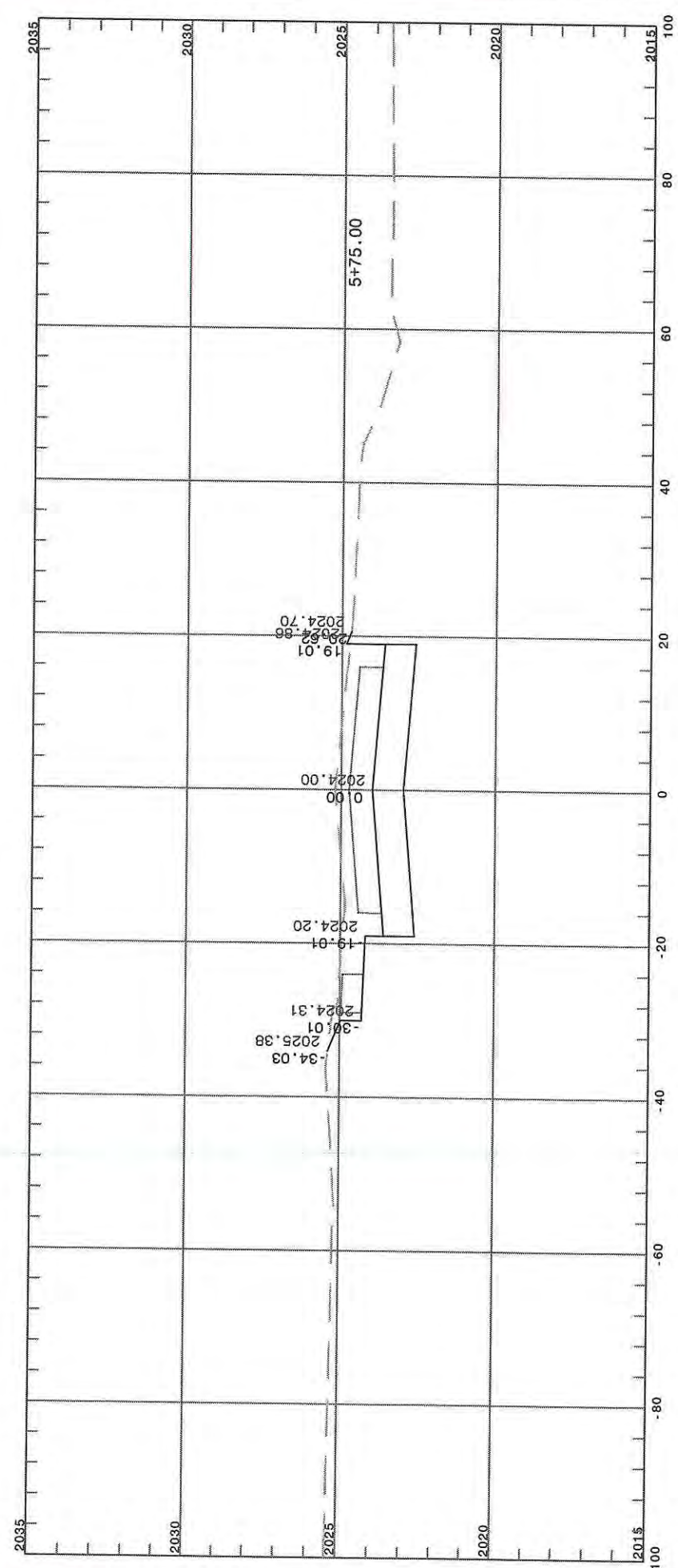
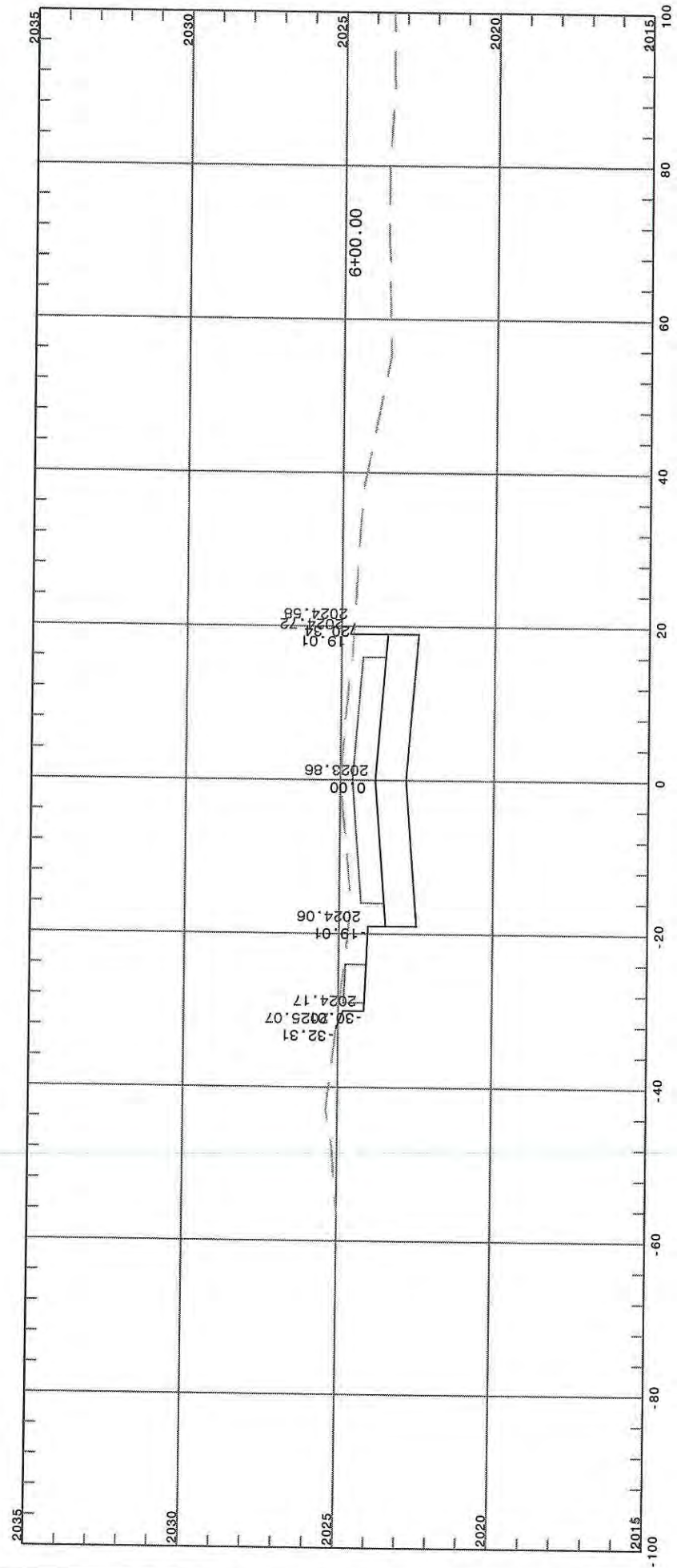


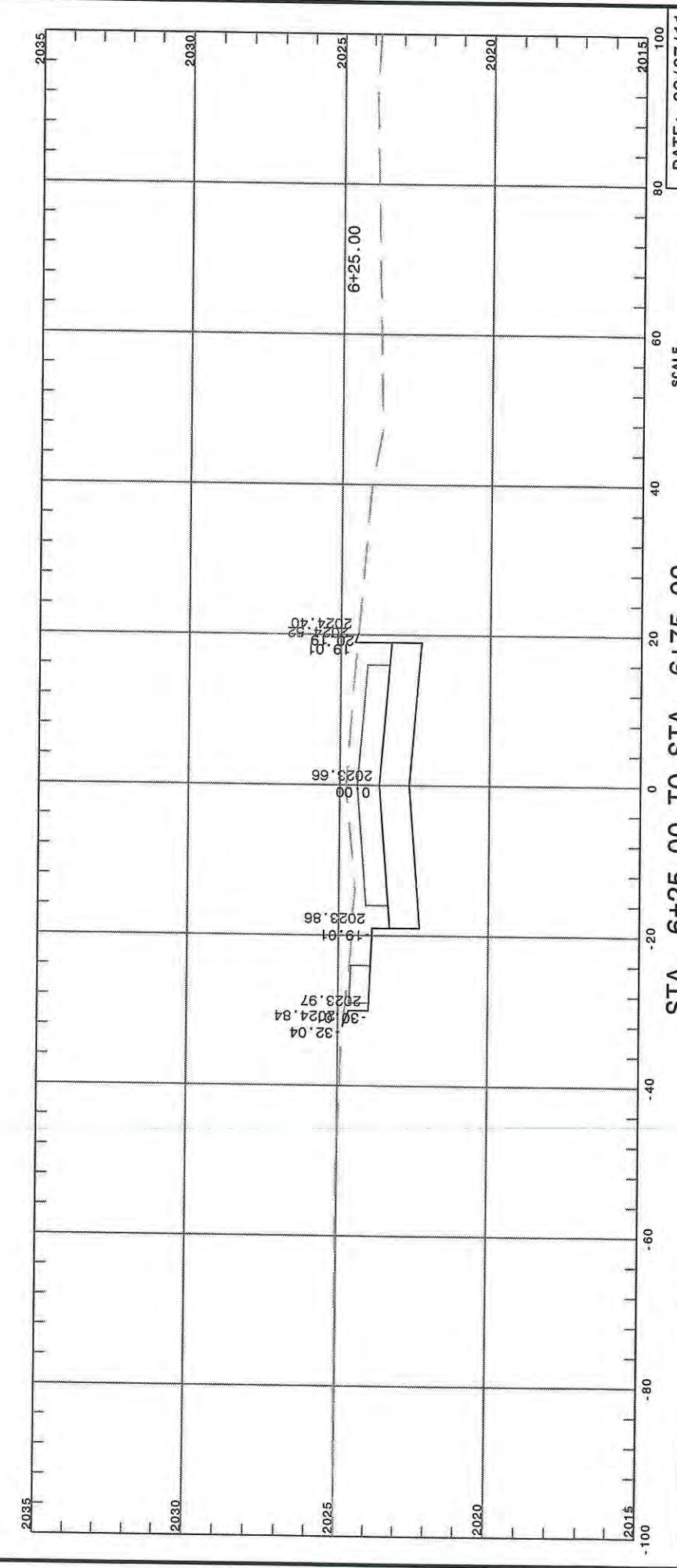
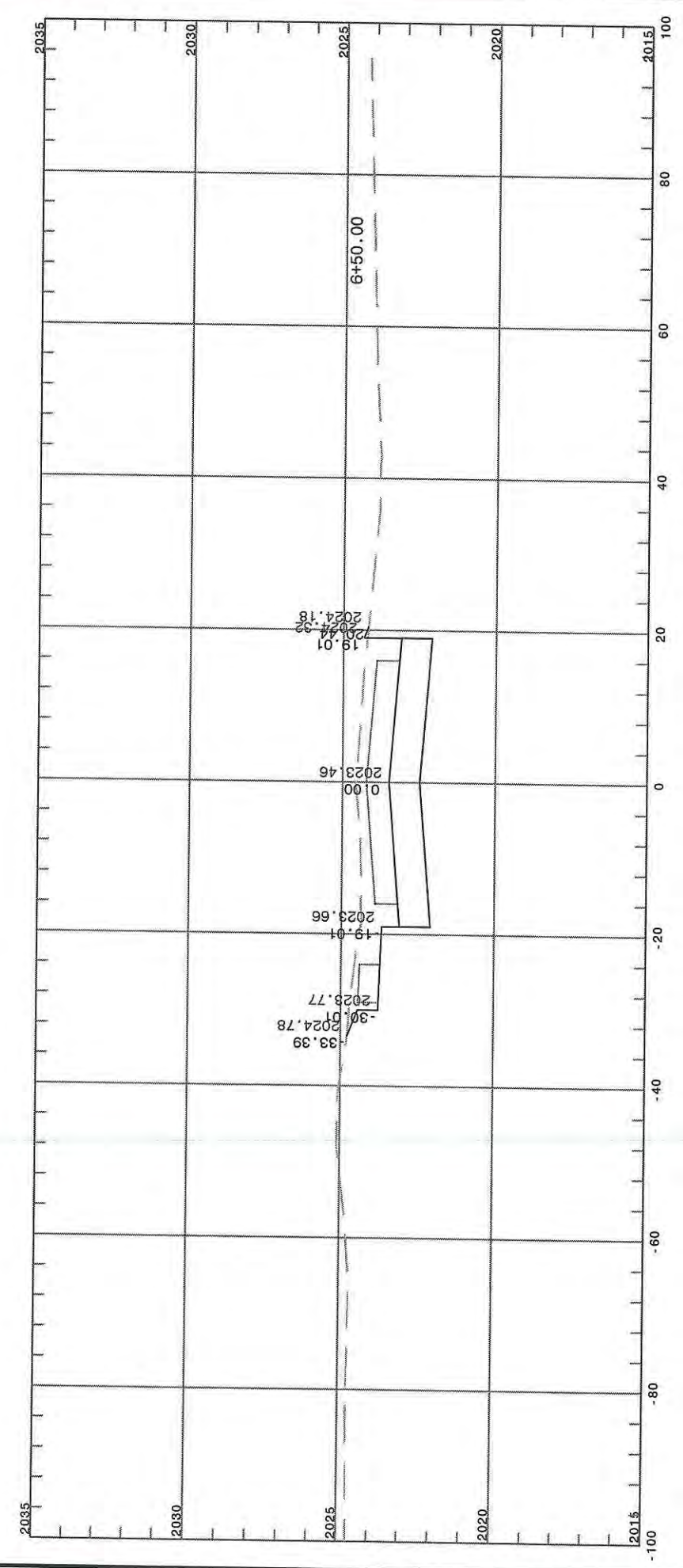
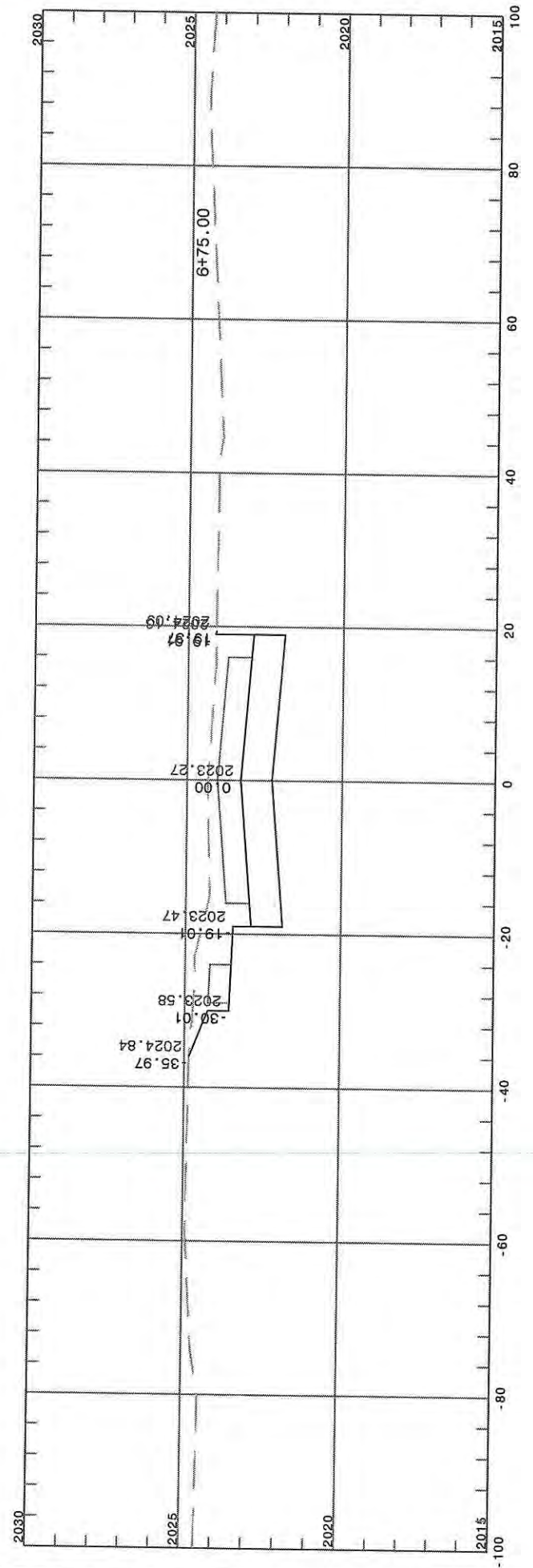
STA. 3+00.00 TO STA. 3+75.00



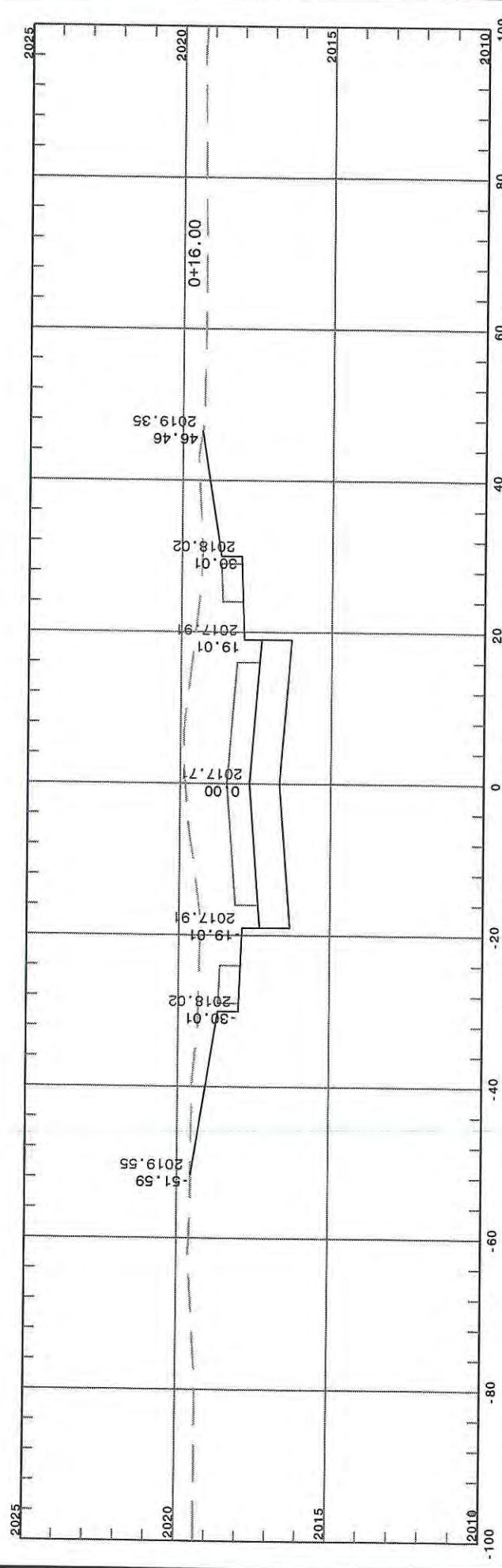
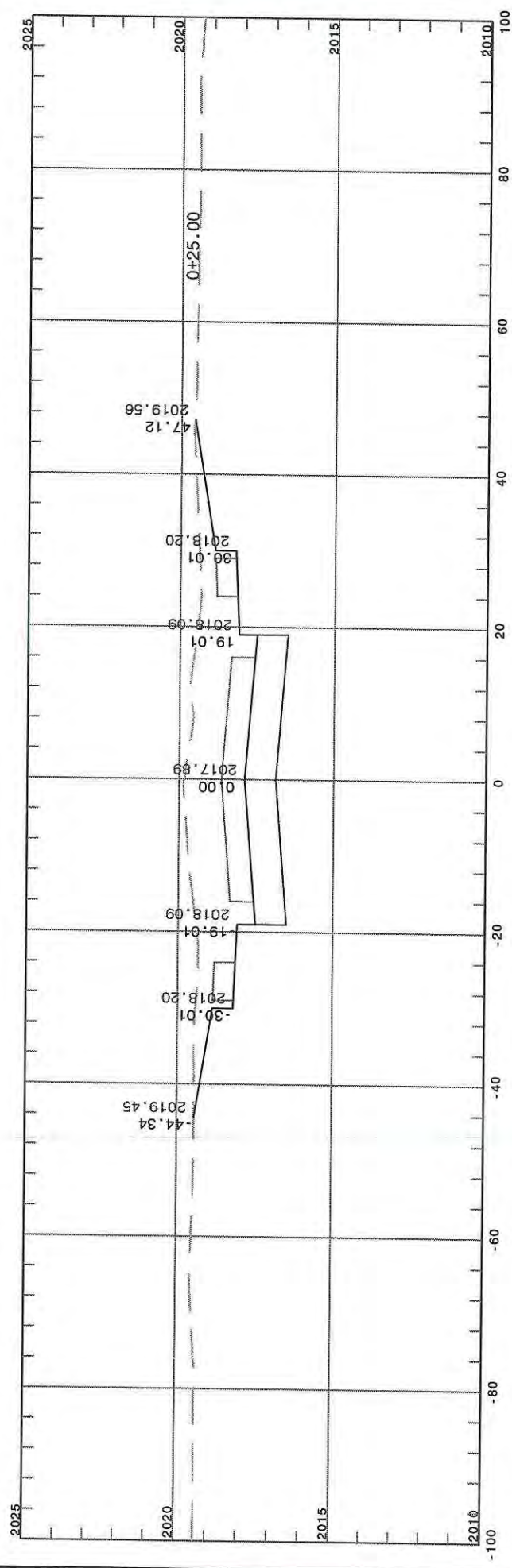
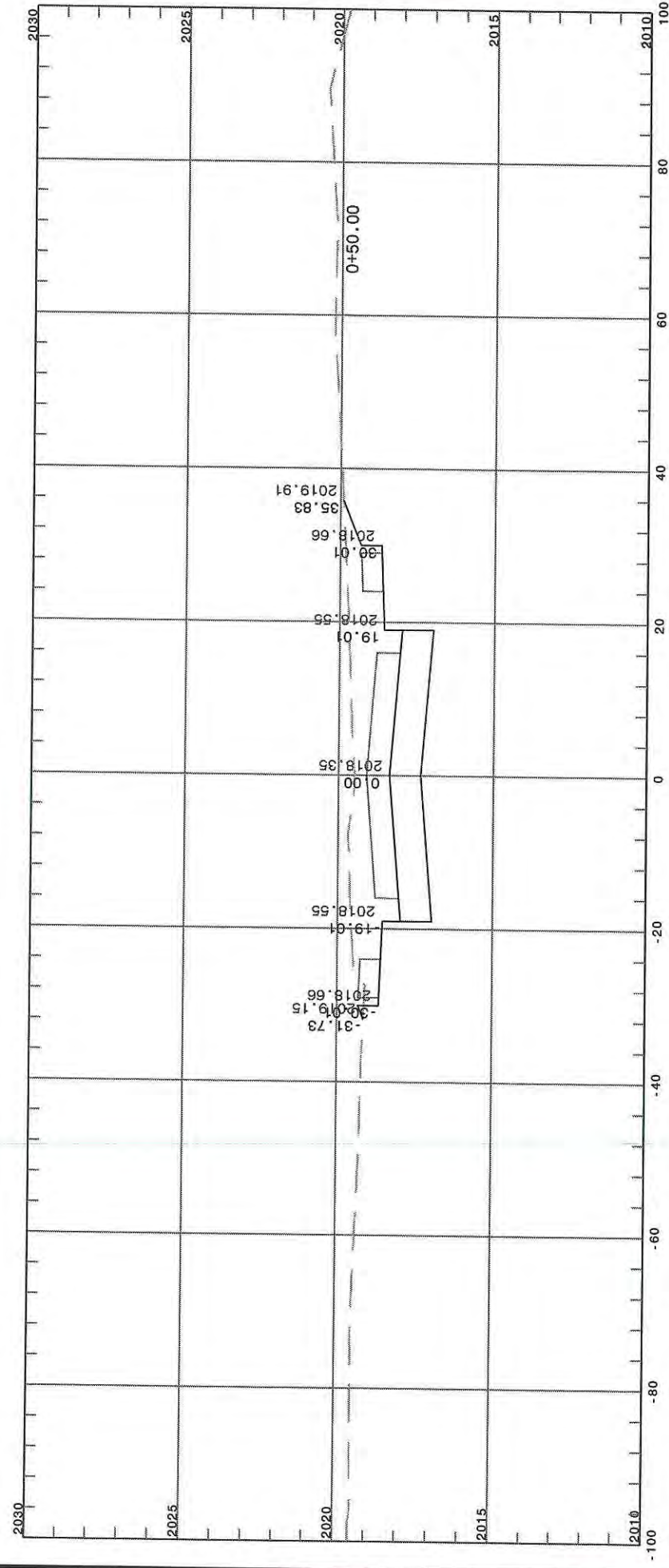
STA. 4+00.00 TO STA. 4+50.00

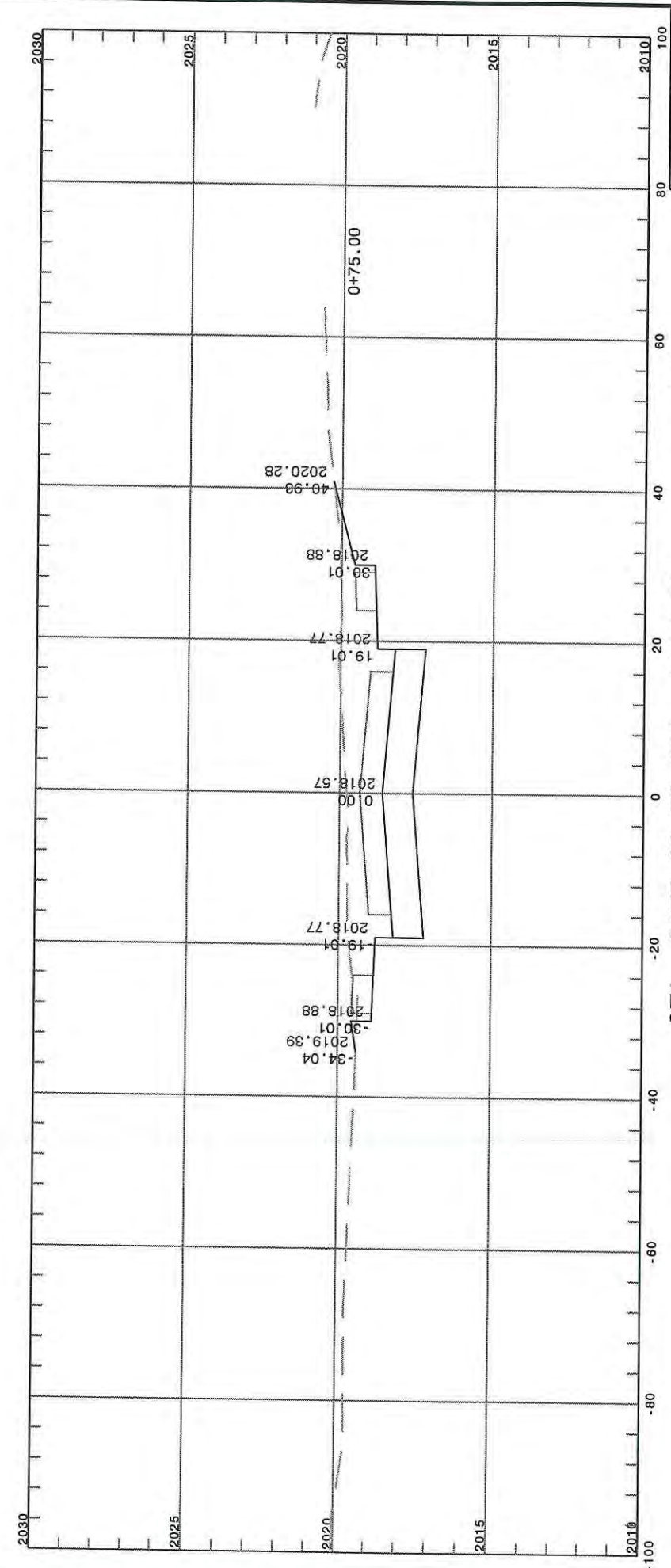
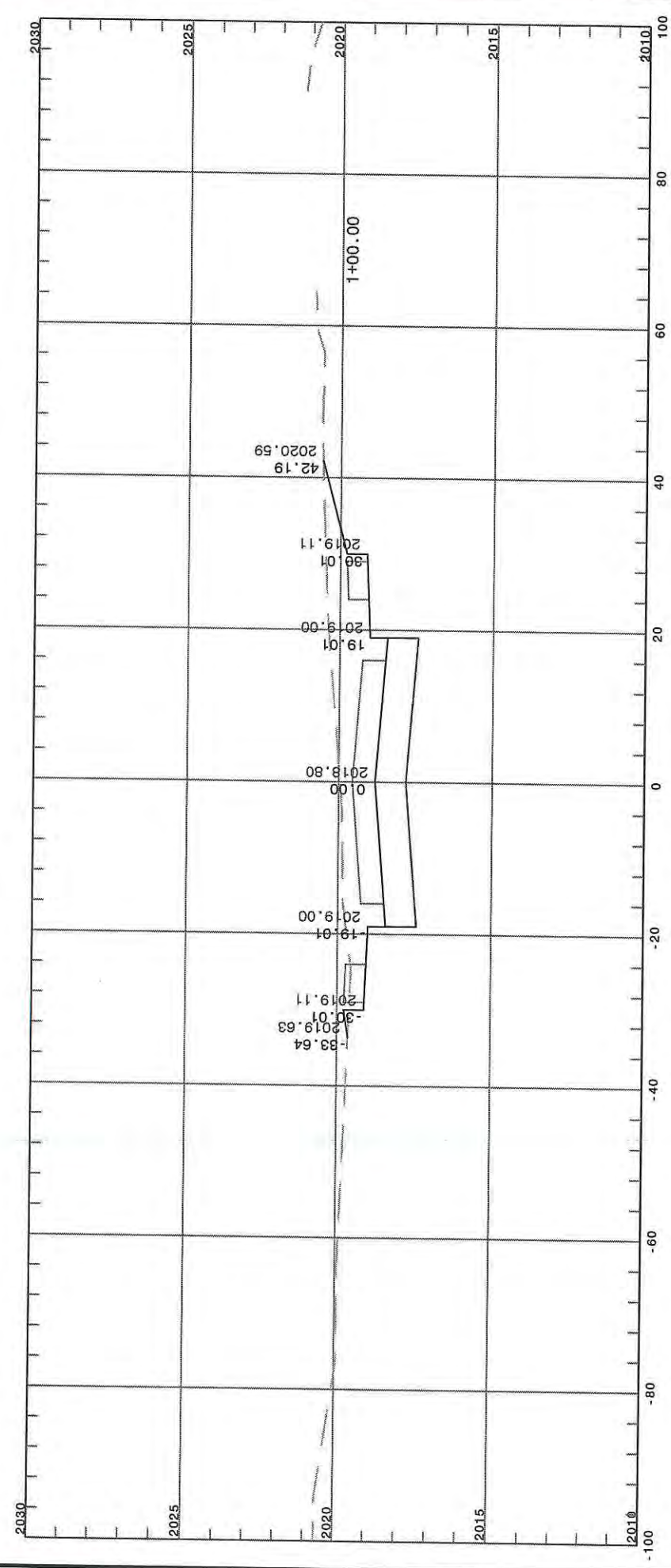
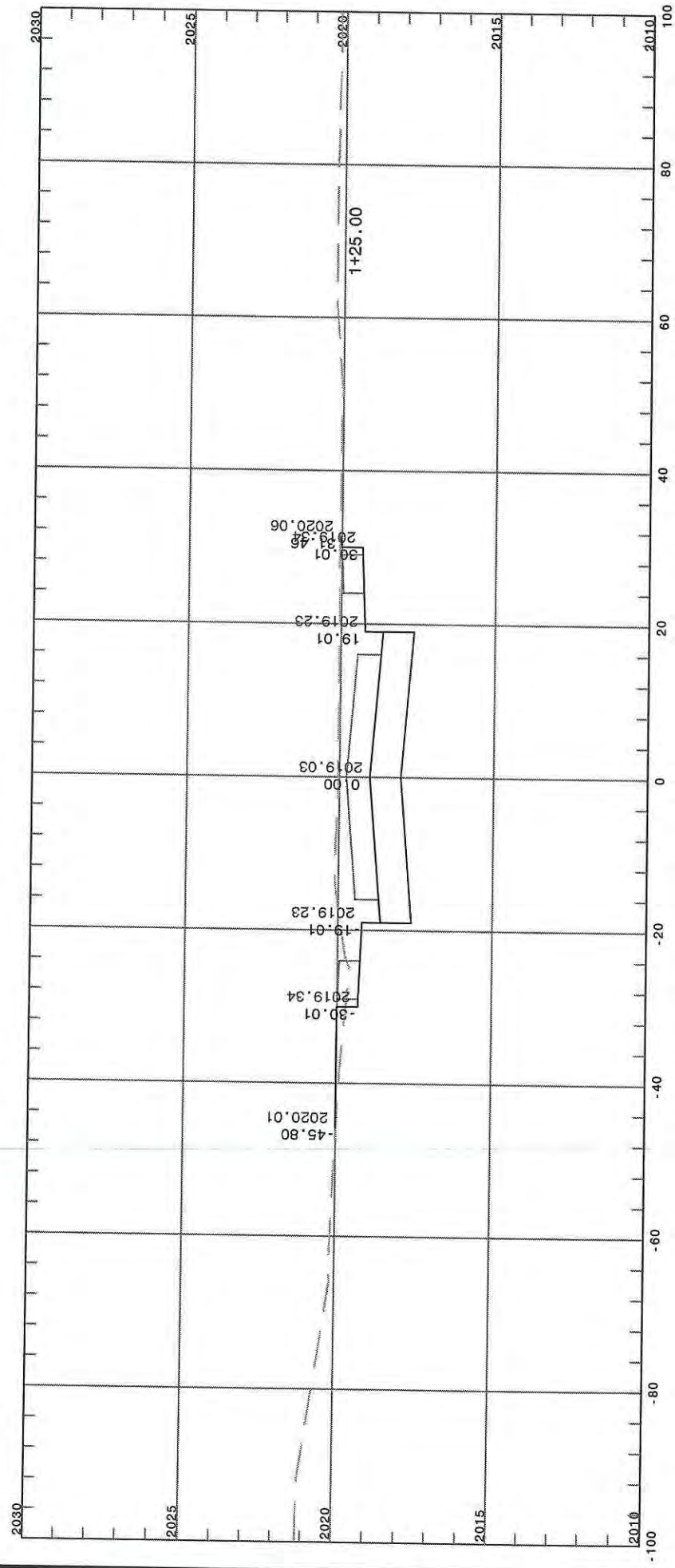


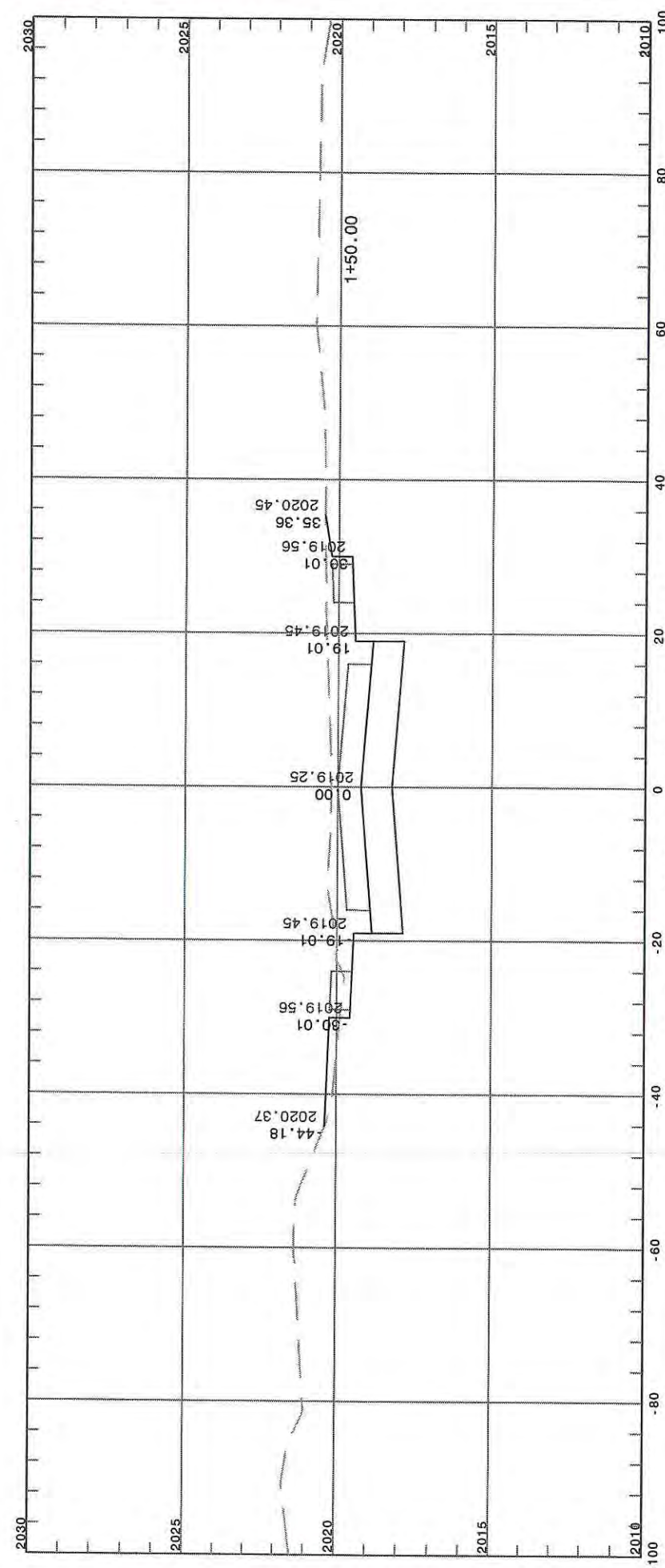
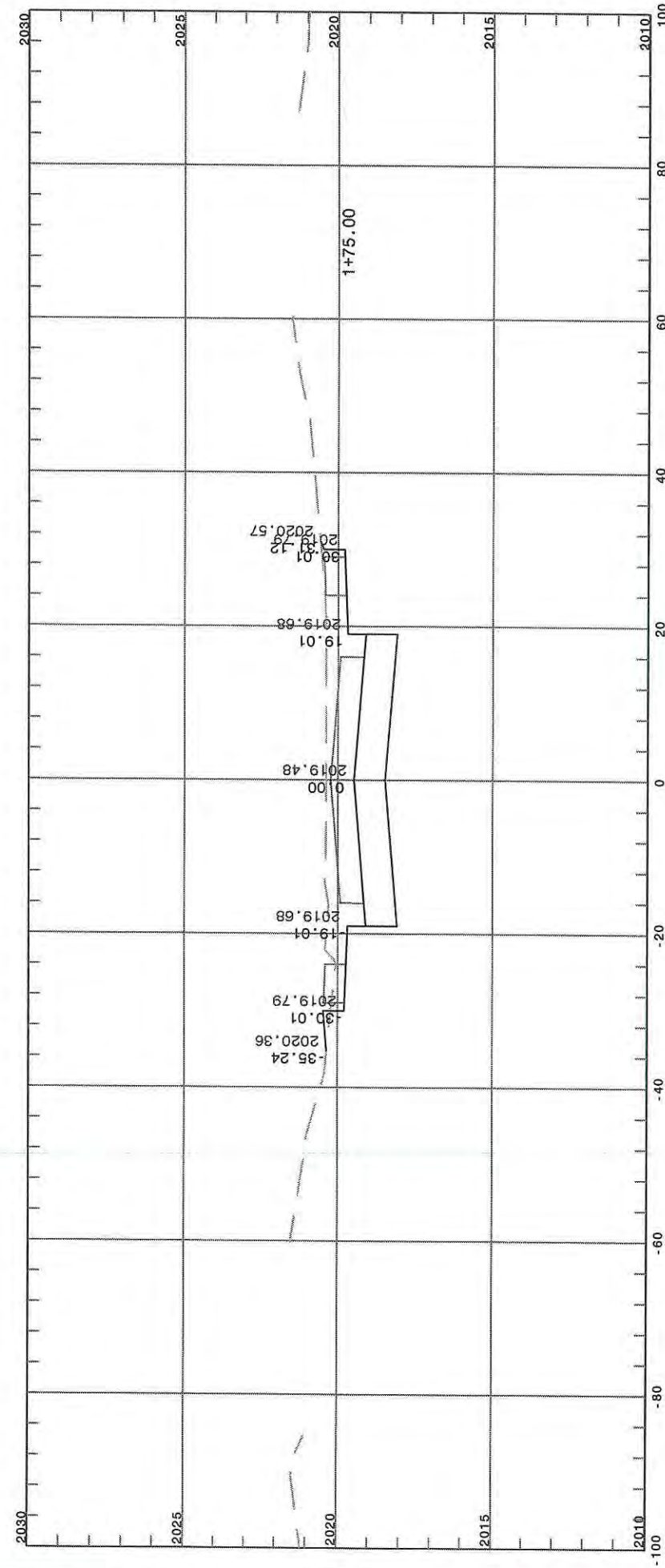
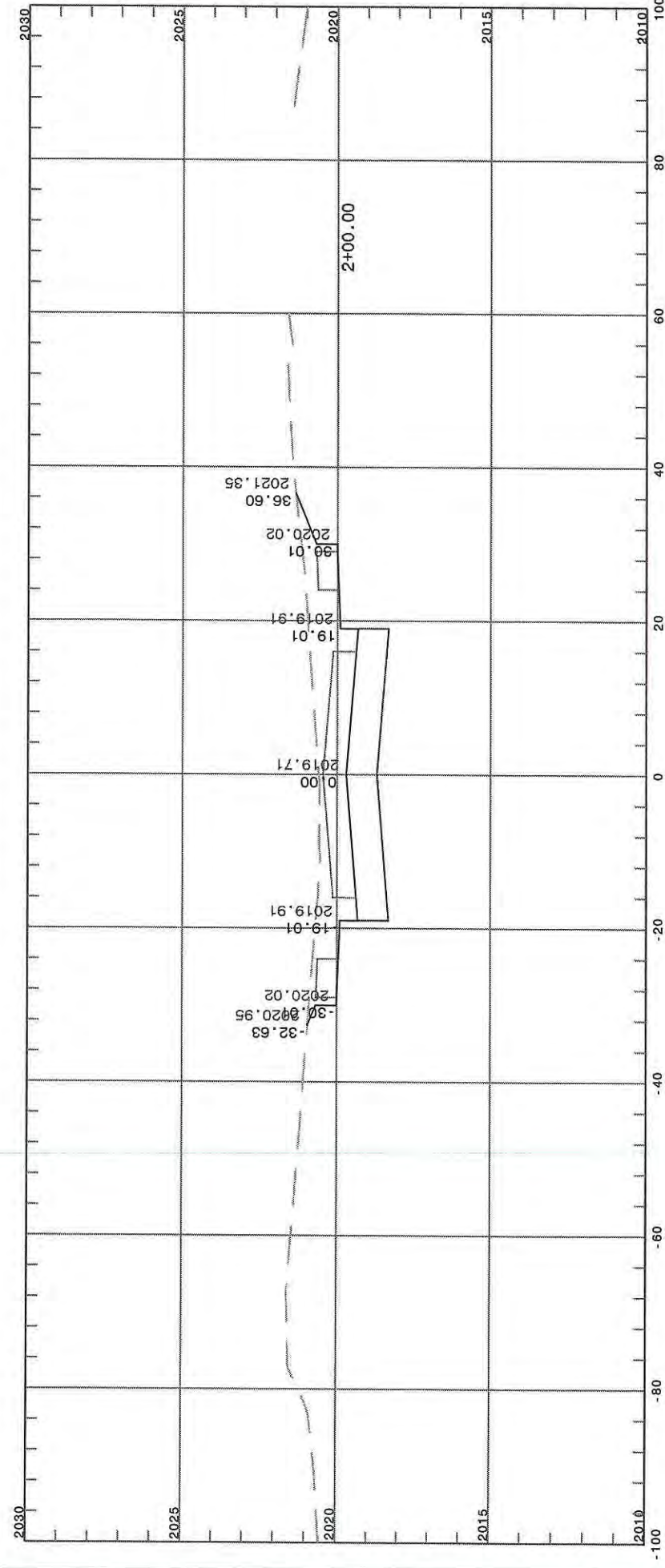








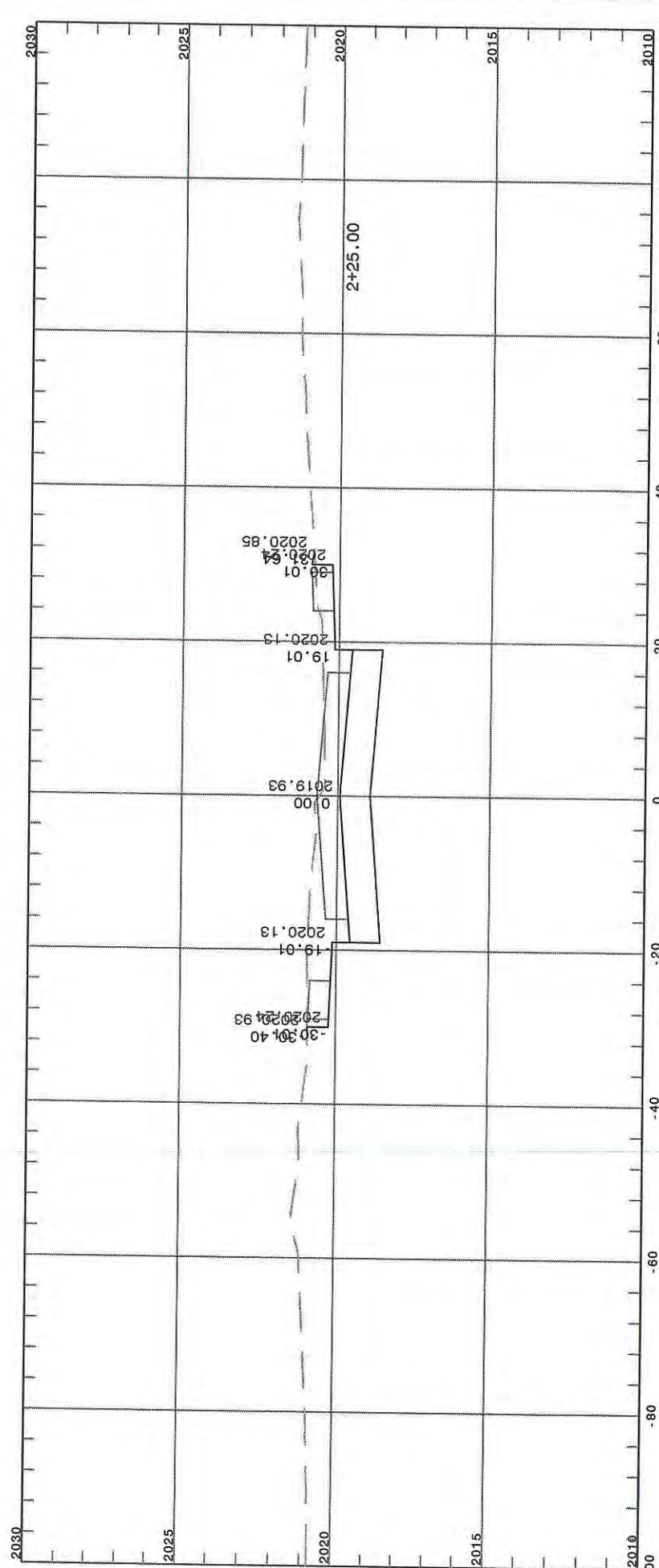
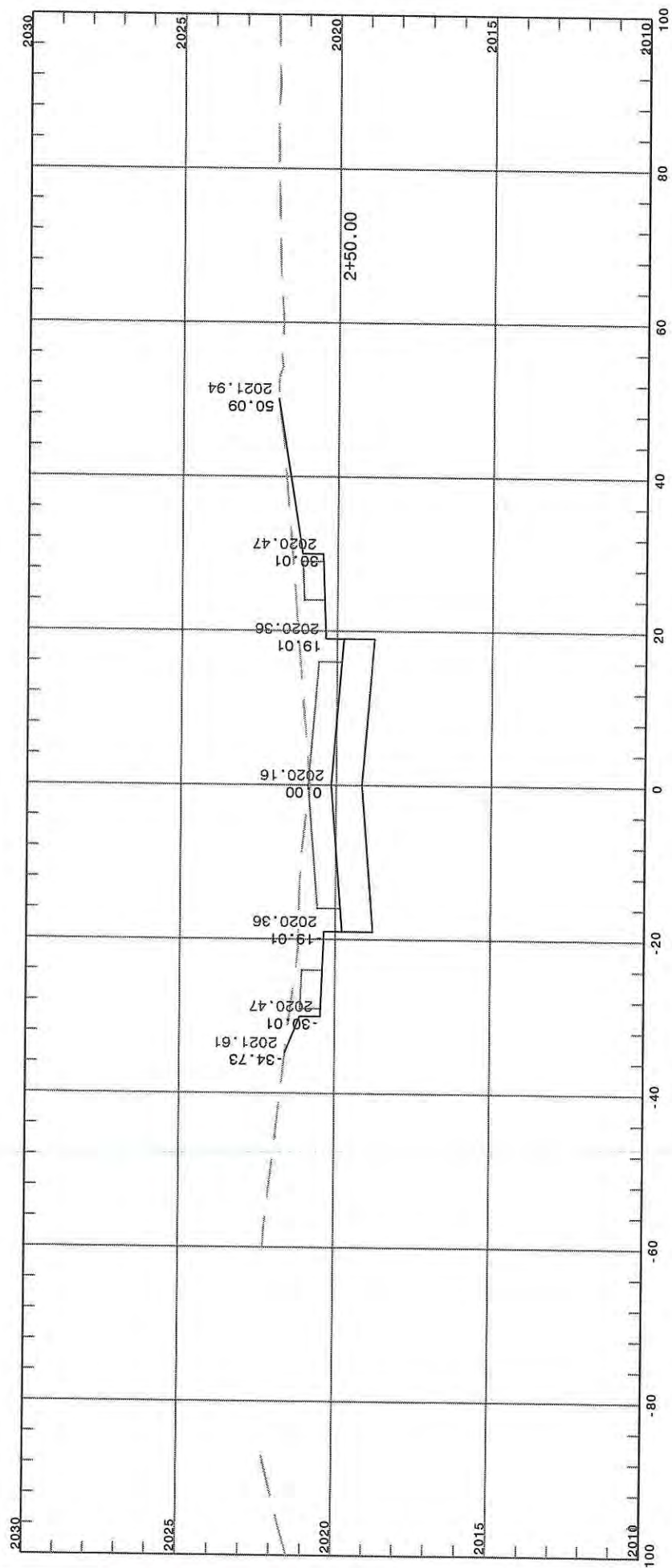
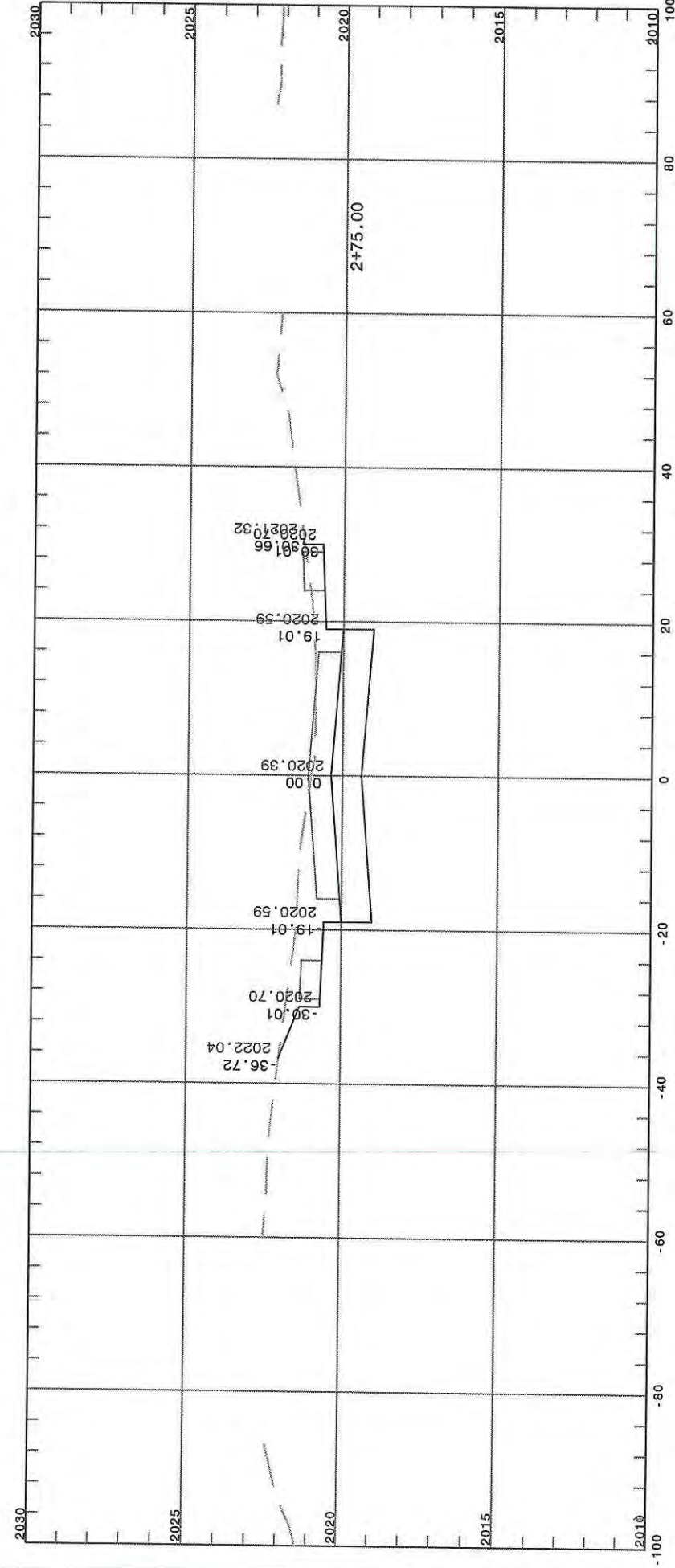


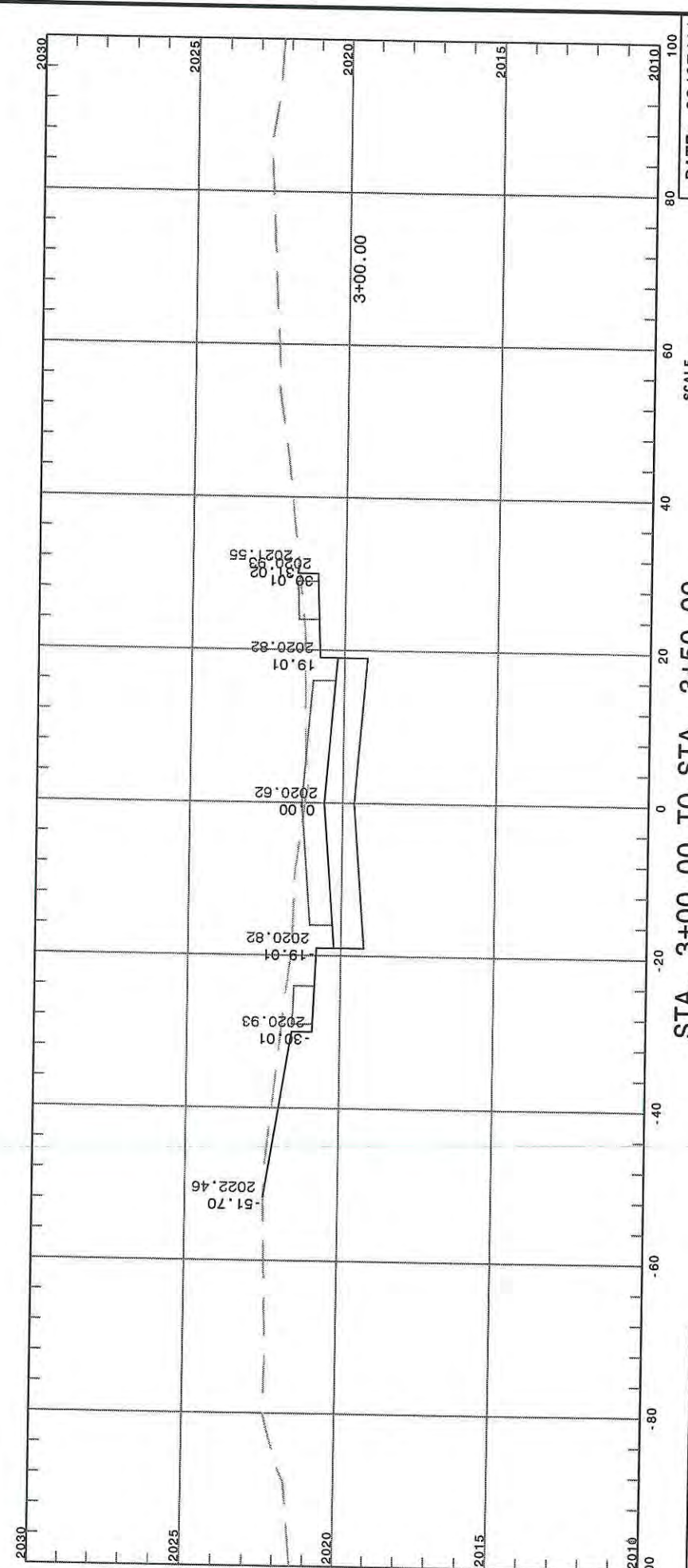
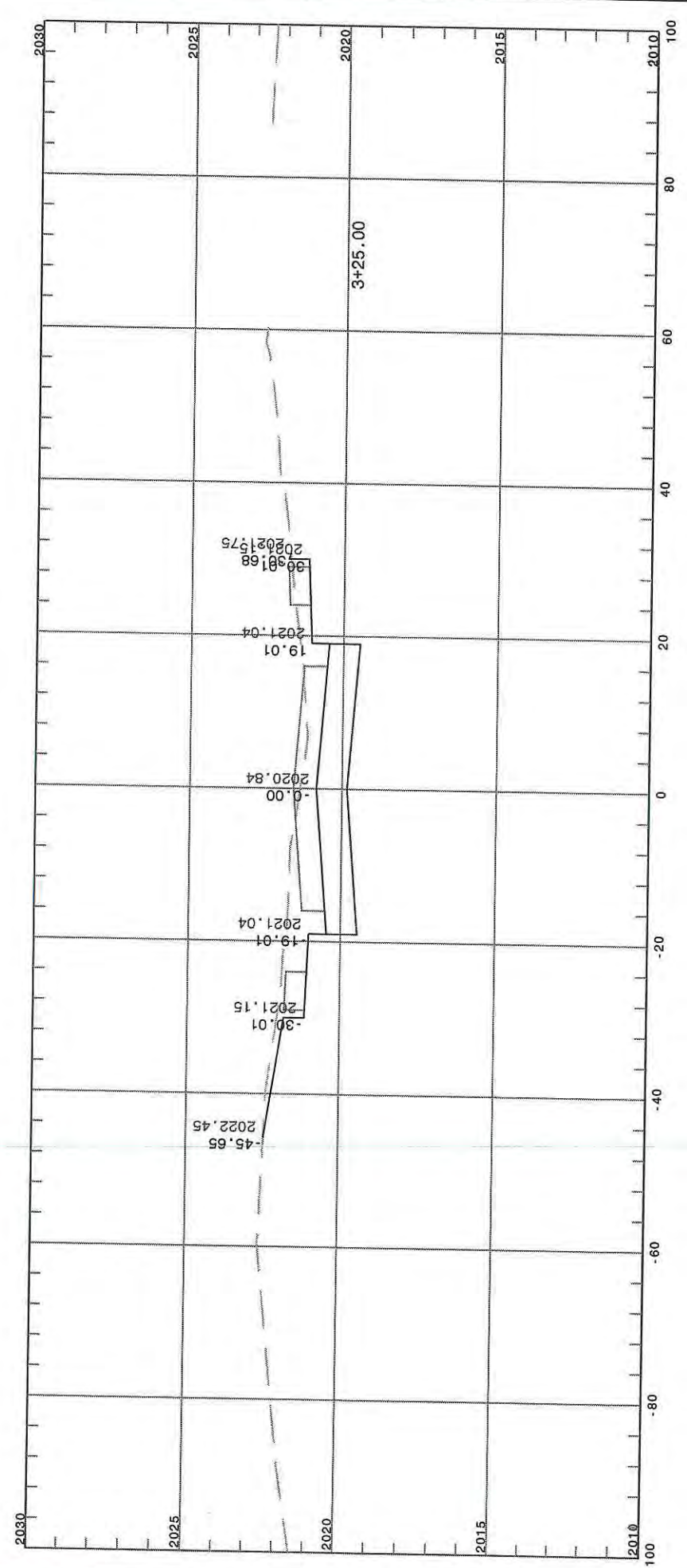
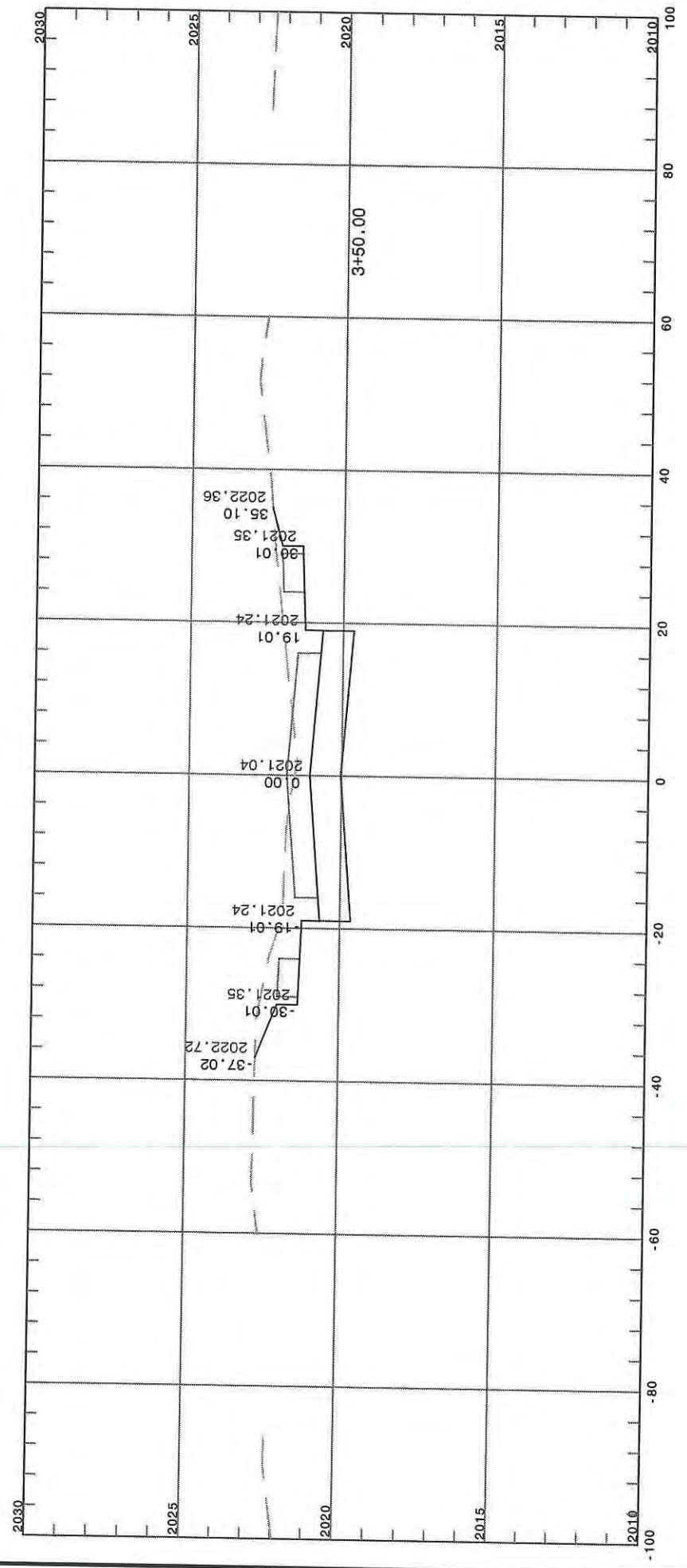


STA. 1+50.00 TO STA. 2+00.00

SCALE
1"=5' VERTICAL
1"=20' HORIZONTAL

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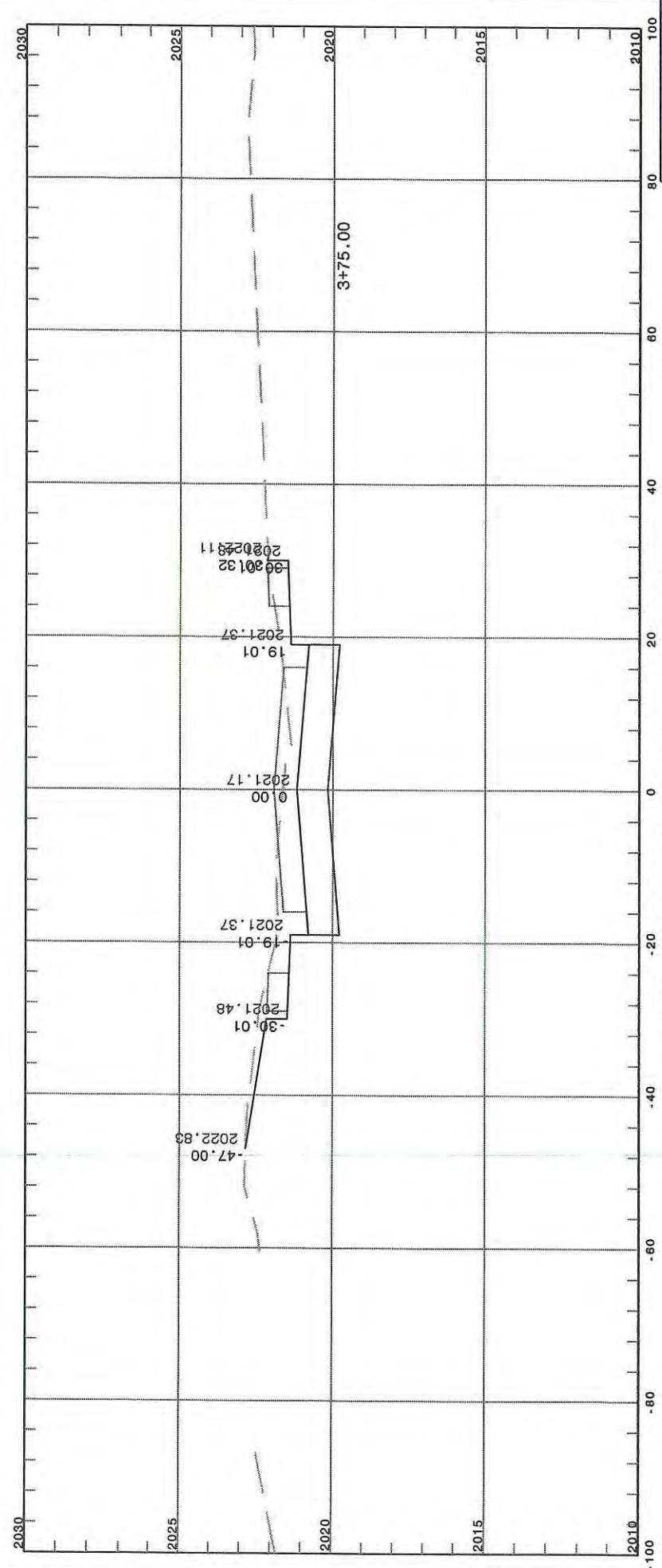
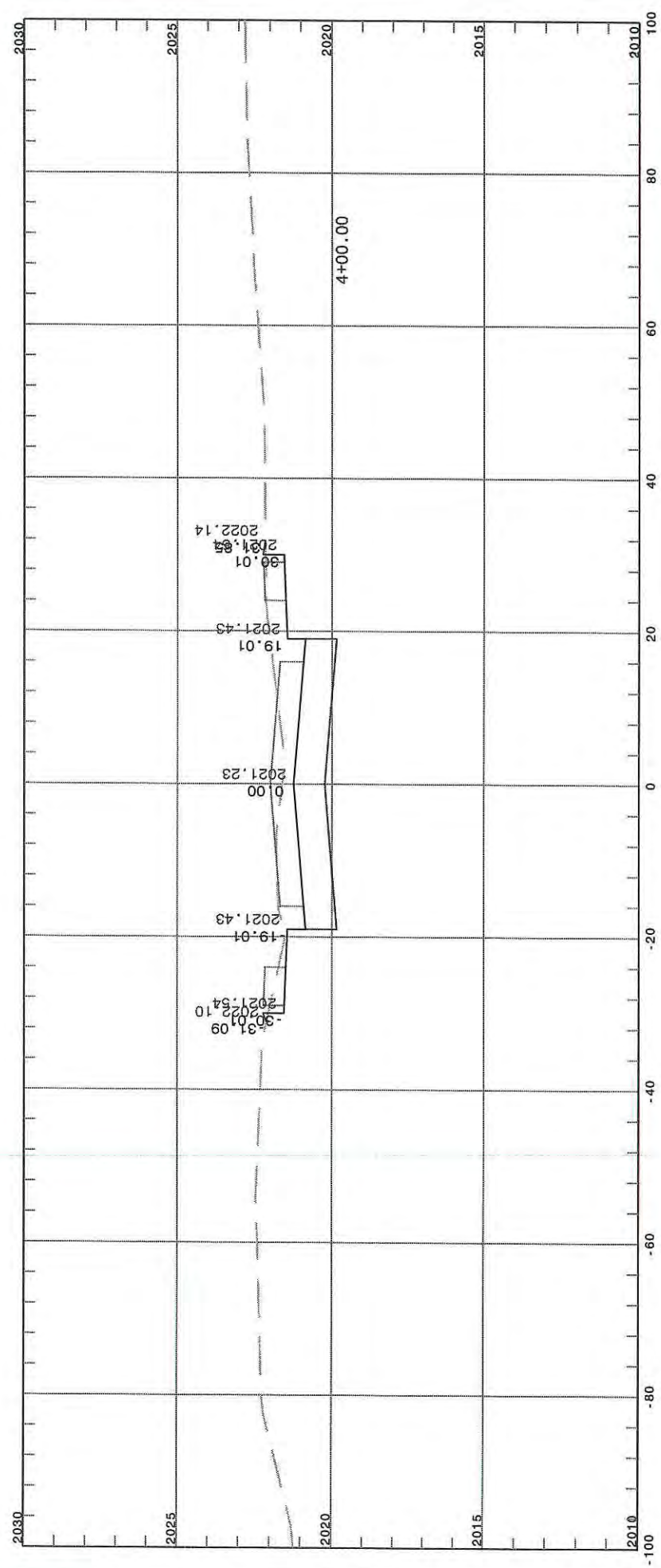
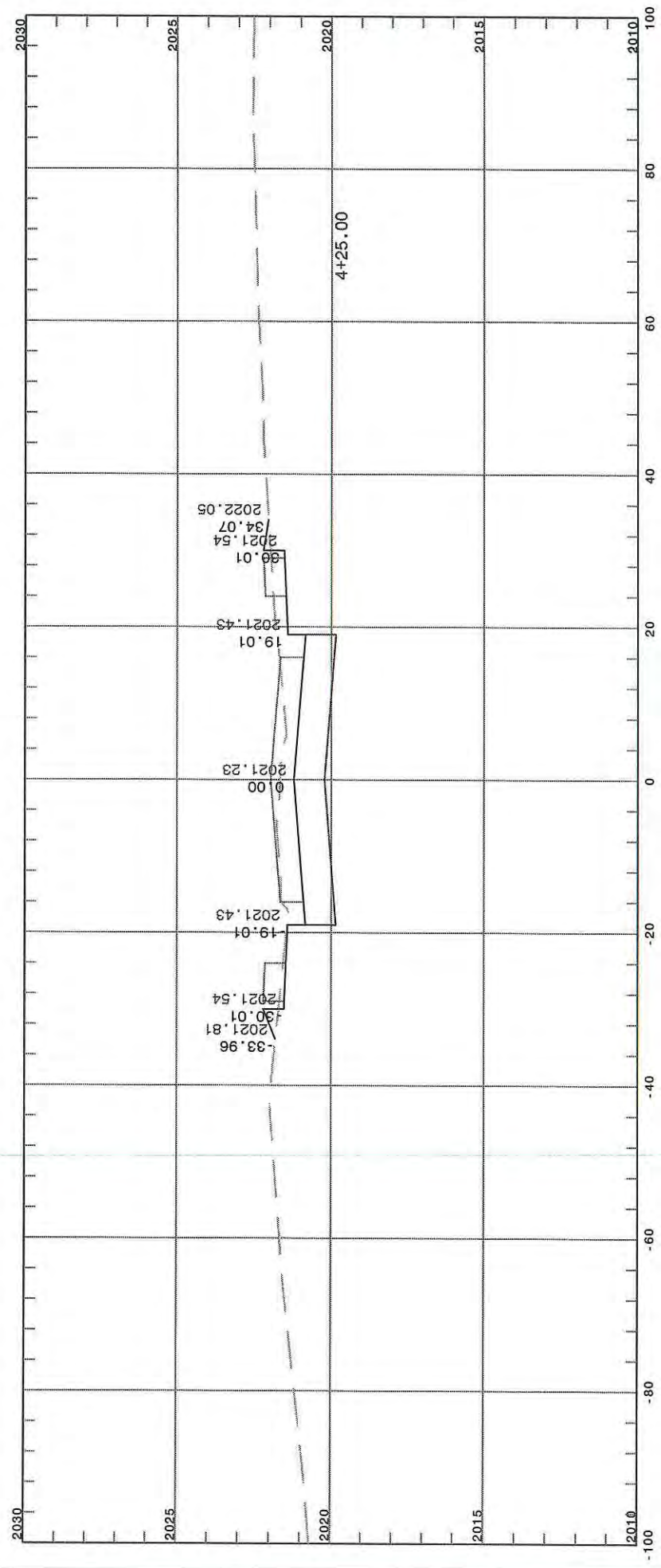


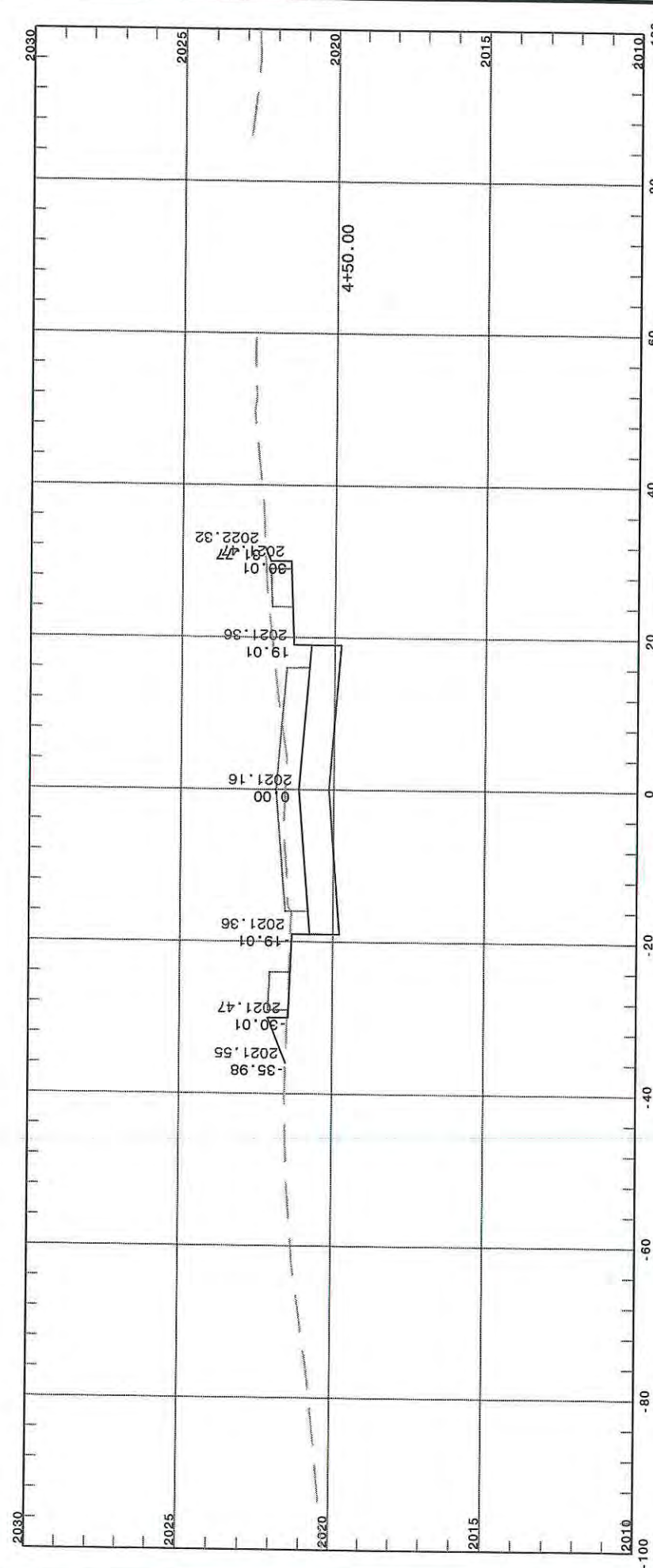
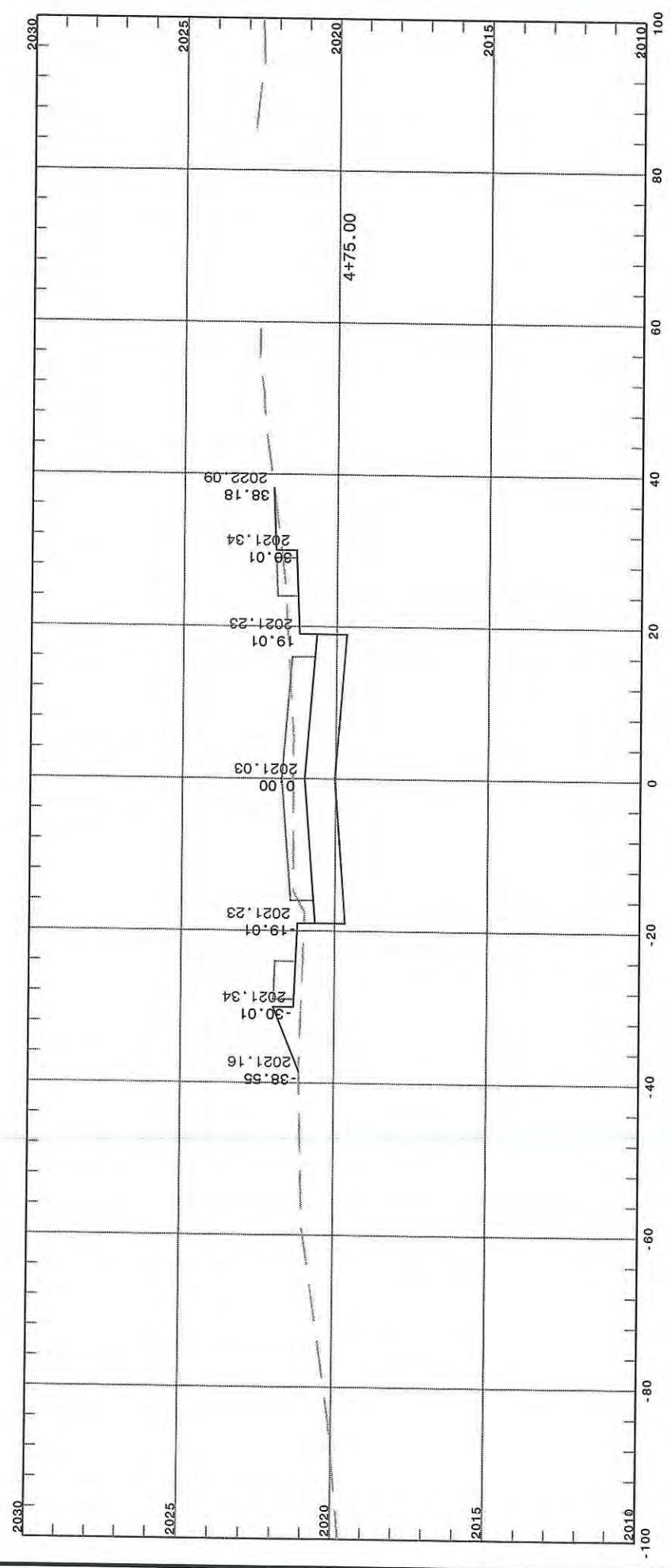
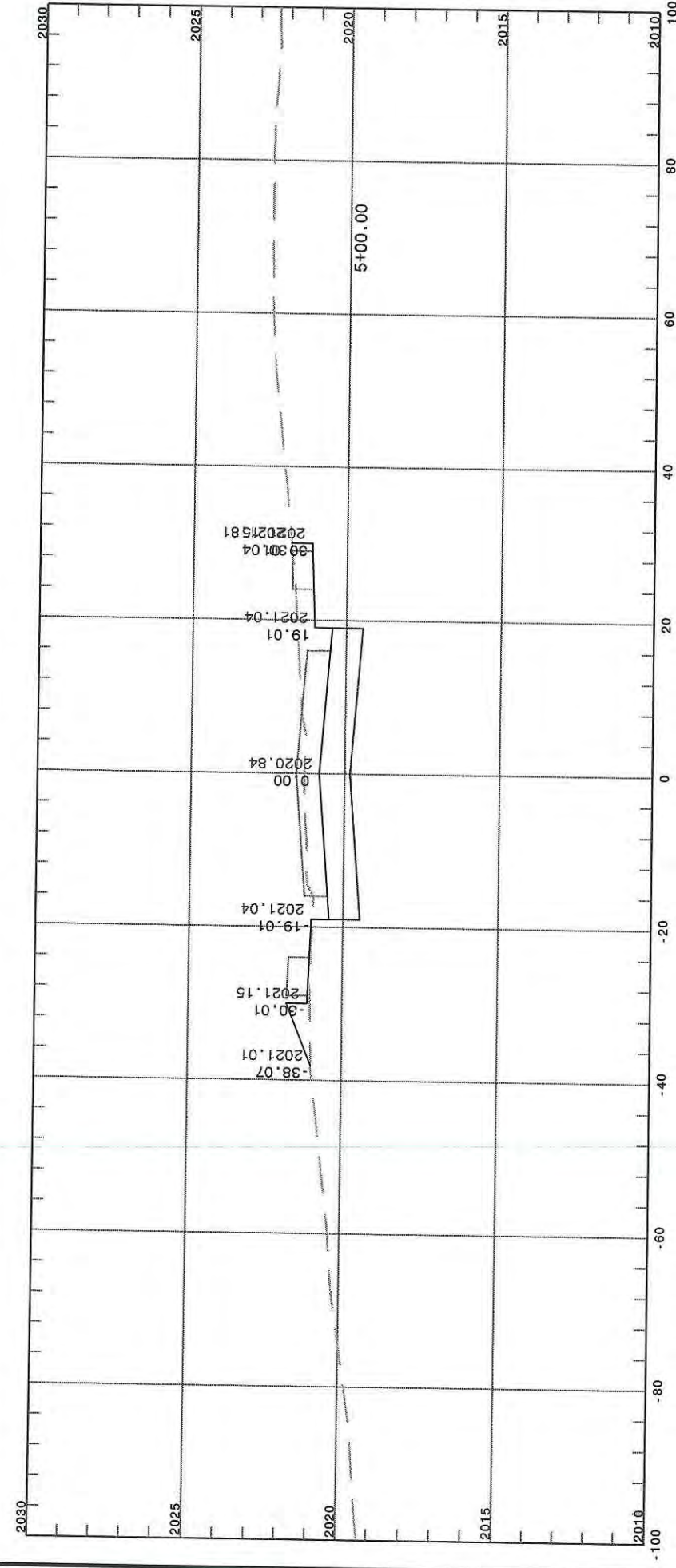
STA. 3+00.00 TO STA. 3+50.00

TRIBAL HOUSING AVE

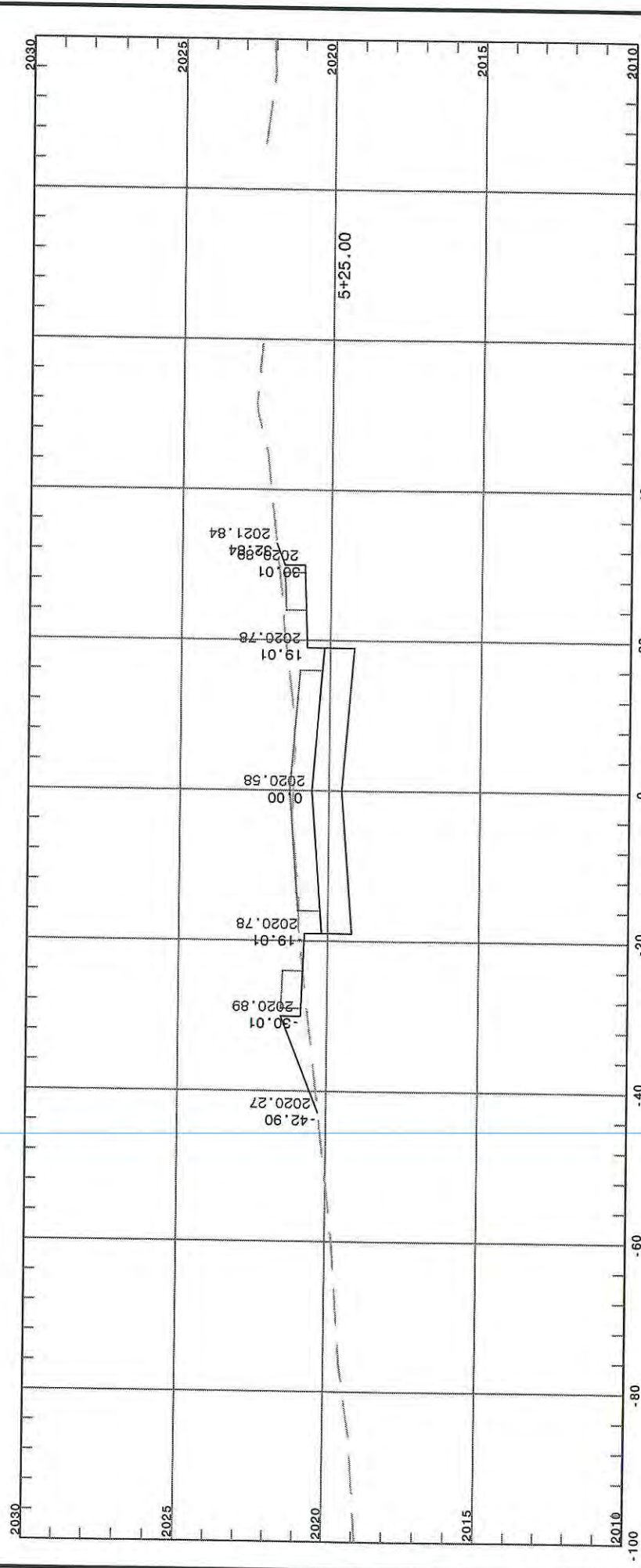
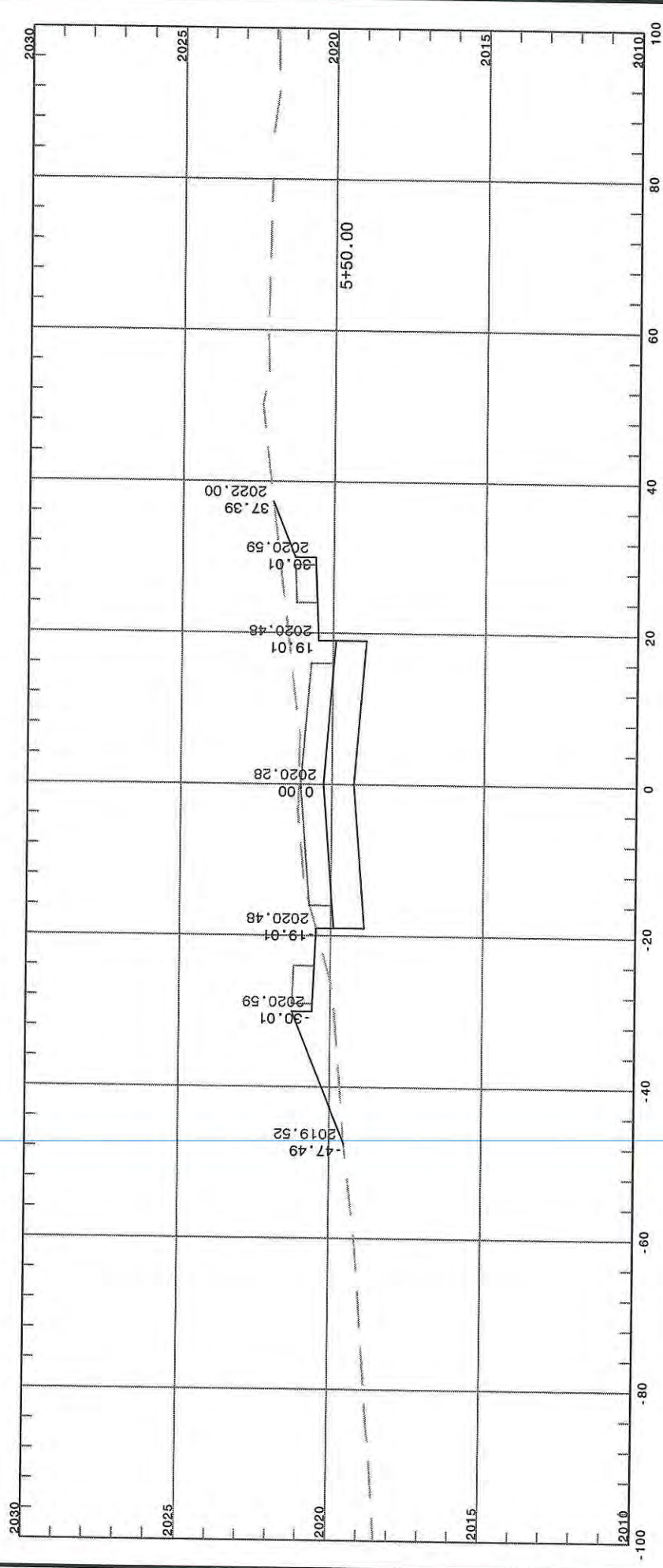
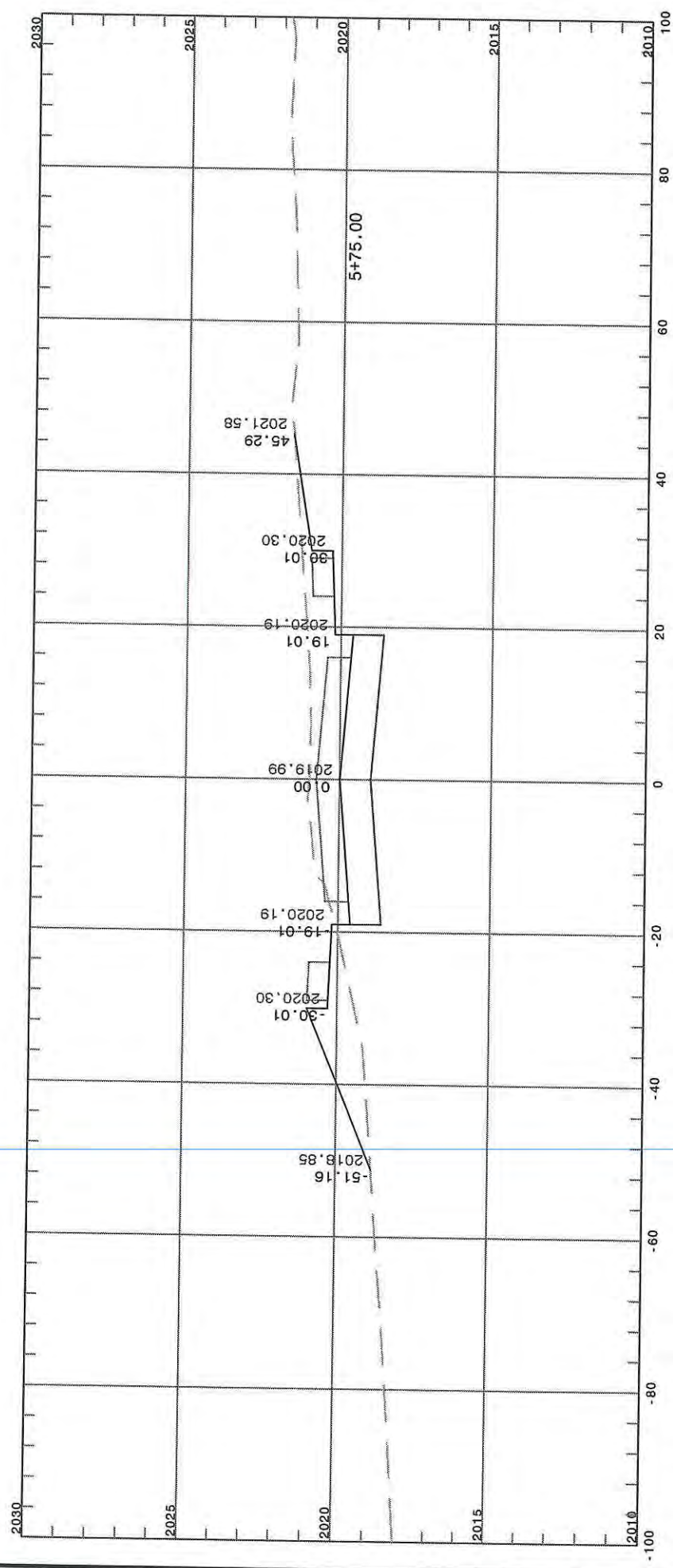
SCALE
1"=5' VERTICAL
1"=20' HORIZONTAL

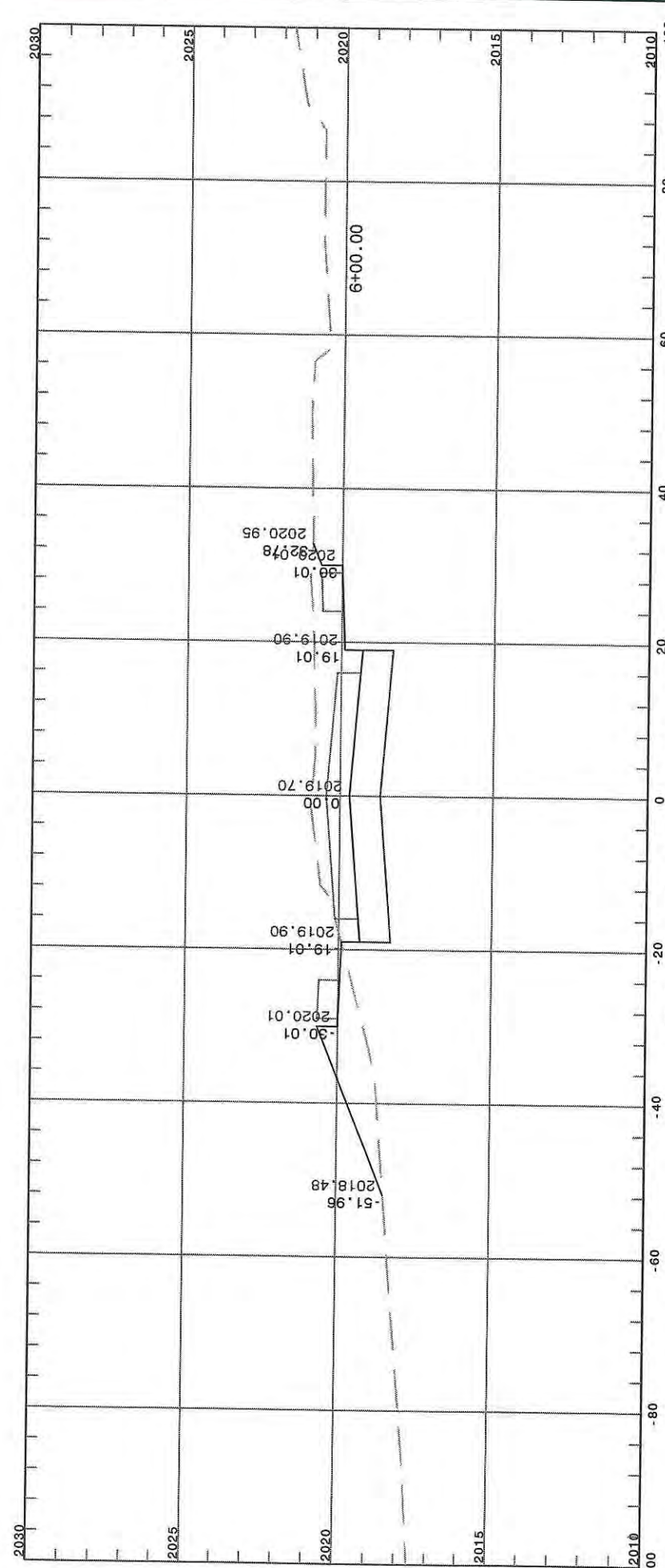
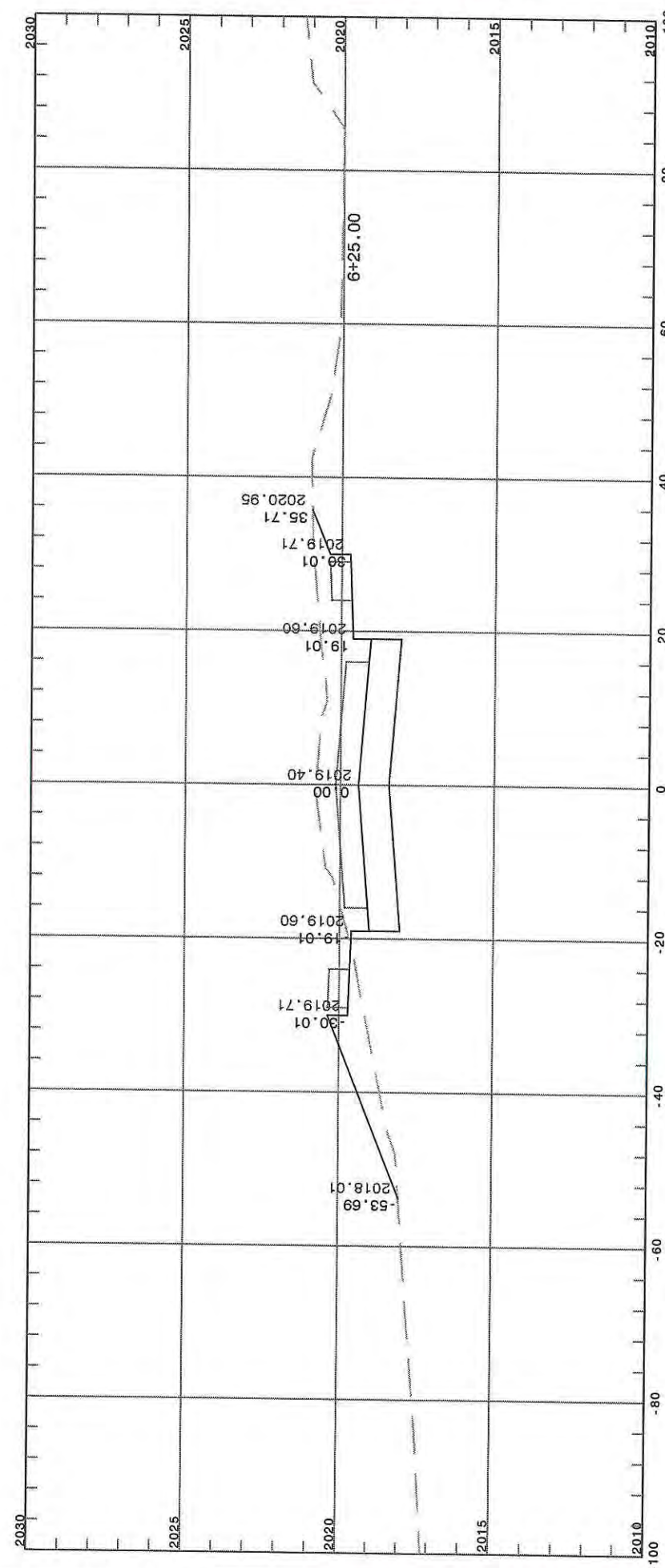
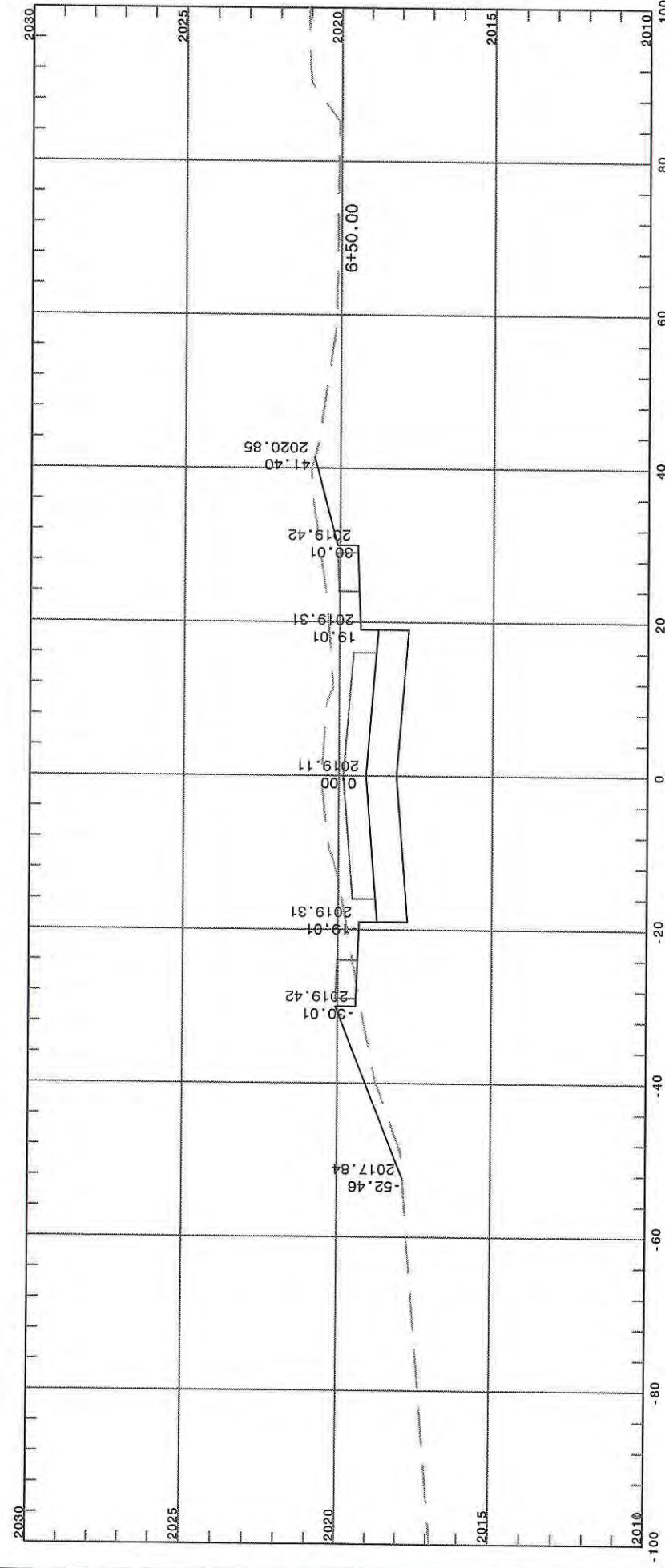
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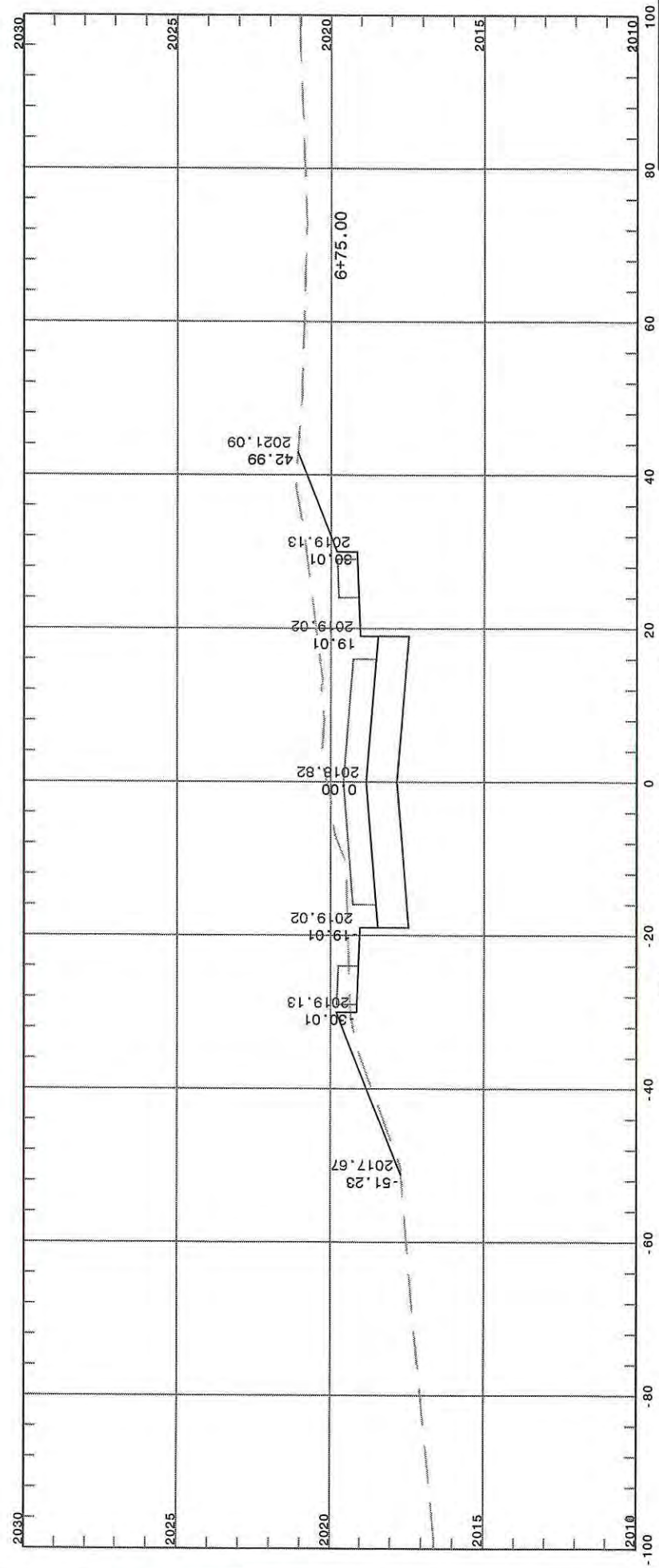
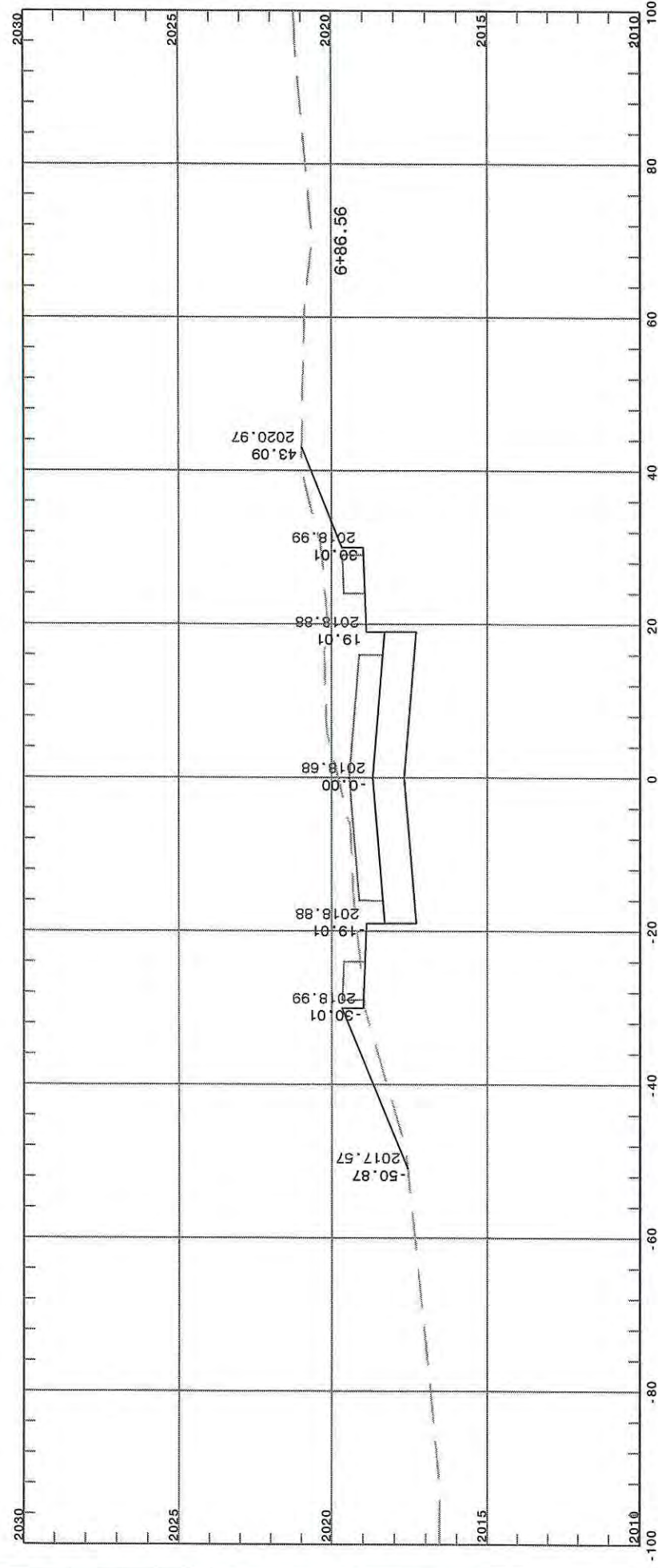




STA. 4+50.00 TO STA. 5+00.00







STA. 6+75.00 TO STA. 6+86.56

SCALE
1"=5' VERTICAL
1"=20' HORIZONTAL