

50% PRELIMINARY DESIGN DRAWINGS

FOR

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

FEBRUARY 2022

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 COV01.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

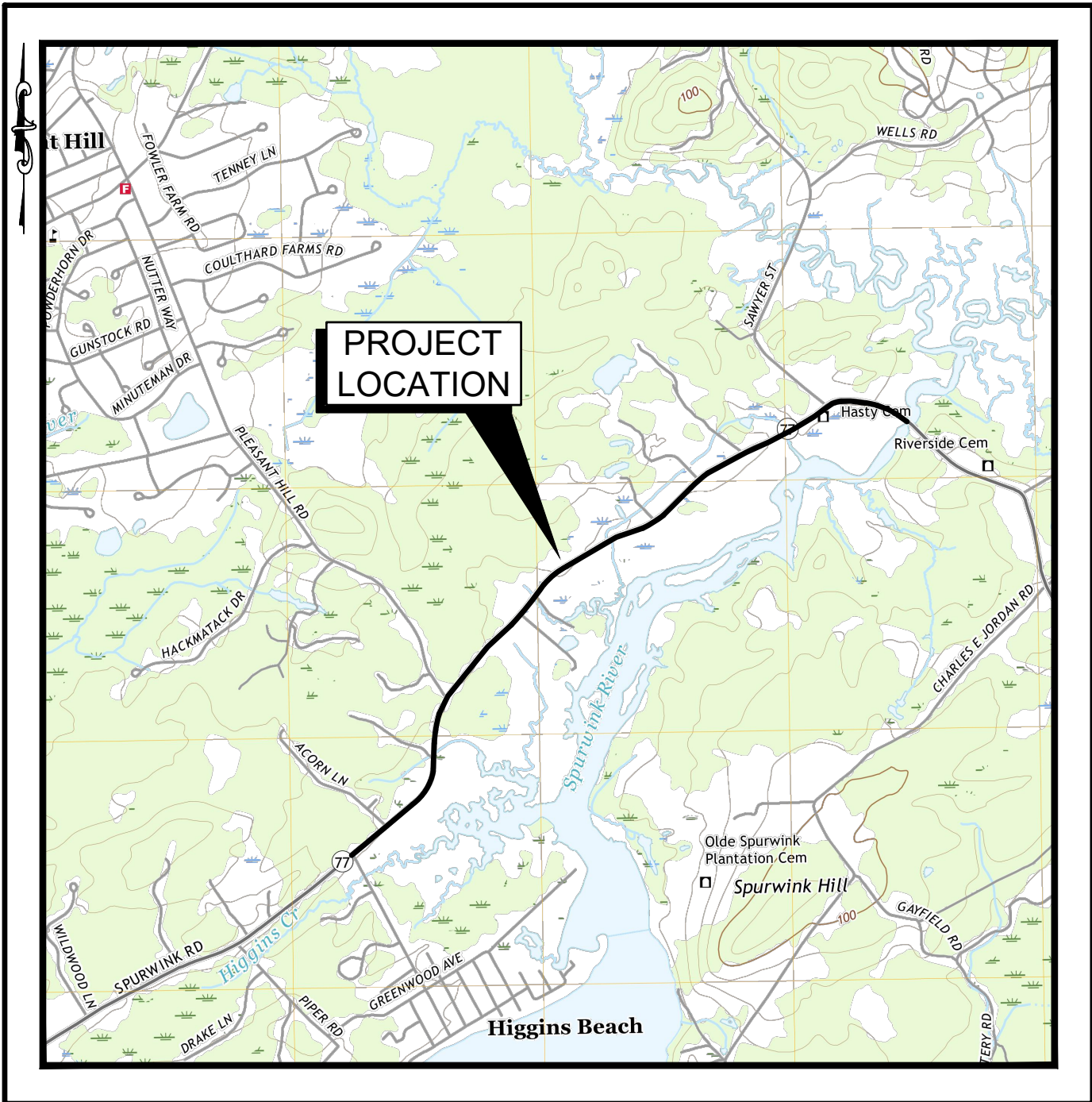
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

COVER
SHEET

SHEET NO:

C-001



SITE LOCATION MAP

SCALE: 1" = 2,000'±

SOURCE: USGS, PROUTS NECK, MAINE, QUADRANGLE, DATED 201

PROFESSIONAL CONTACTS:

APPLICANT :
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, ME 04074
(207) 730-4401
CONTACT: MIKE SHAW, DIRECTOR

ENGINEERING & DESIGN:
ST.GERMAIN
846 MAIN STREET
WESTBROOK, ME 04092
(207) 591-7000
CONTACT: PATRICK GERE, PE#14406

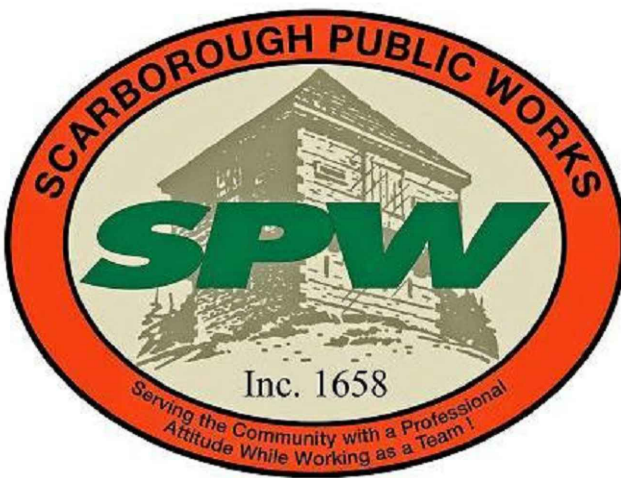
SURVEYOR:
NORTHERN SURVEY ENGINEERING, LLC
41 CHURCH ROAD
BRUNSWICK, ME 04011
(207) 440-3487
CONTACT: SEAN PIERCE, PLS#2517

GEOTECHNICAL ENGINEER:
SUMMIT GEOENGINEERING SERVICES
173 PLEASANT STREET
ROCKLAND, ME 04841
(207) 446-0808
CONTACT: ERIKA STEWART, PE#15008

WETLAND SCIENTIST:
MAINELY SOILS, LLC
440 SWAMP ROAD
DURHAM, ME 04222
(207) 650-4313
CONTACT: ALEXANDER FINAMORE, LSE#391, CWS

DRAWING LIST:

- | | |
|-----------|--|
| C-001 | COVER SHEET |
| C-002 | GENERAL NOTES & LEGEND |
| ----- | BOUNDARY & EXISTING CONDITIONS SURVEY |
| C-201 | SPURWINK ROAD PLAN & PROFILE STA 0+00 TO STA 7+00 |
| C-202 | SPURWINK ROAD PLAN & PROFILE STA 7+00 TO STA 14+00 |
| C-203 | SPURWINK ROAD PLAN & PROFILE STA 14+00 TO STA 21+00 |
| C-204 | SPURWINK ROAD PLAN & PROFILE STA 21+00 TO STA 28+00 |
| C-205 | SPURWINK ROAD PLAN & PROFILE STA 28+00 TO STA 35+00 |
| C-206 | SPURWINK ROAD PLAN & PROFILE STA 35+00 TO STA 42+00 |
| C-207 | SPURWINK ROAD PLAN & PROFILE STA 42+00 TO STA 49+00 |
| C-208 | SPURWINK ROAD PLAN & PROFILE STA 49+00 TO STA 56+00 |
| C-209 | SPURWINK ROAD PLAN & PROFILE STA 56+00 TO STA 63+00 |
| C-210 | SPURWINK ROAD PLAN & PROFILE STA 63+00 TO STA 70+00 |
| C-211 | SPURWINK ROAD PLAN & PROFILE STA 70+00 TO STA 77+00 |
| C-212 | SPURWINK ROAD PLAN & PROFILE STA 77+00 TO STA 84+00 |
| C-213 | SPURWINK ROAD PLAN & PROFILE STA 84+00 TO STA 91+00 |
| C-214 | SPURWINK ROAD PLAN & PROFILE STA 91+00 TO STA 98+00 |
| C-215 | SPURWINK ROAD PLAN & PROFILE STA 98+00 TO STA 102+00 |
| C-301-312 | SPURWINK ROAD CROSS SECTIONS |
| C-401 | OCEAN AVENUE INTERSECTION PLAN |
| C-402 | PLEASANT HILL ROAD INTERSECTION PLAN |
| C-403 | SAWYER STREET INTERSECTION PLAN |
| C-501 | EROSION & SEDIMENTATION CONTROL NOTES & DETAILS |
| C-502 | DETAILS |
| C-503 | DETAILS |



M:_Cod Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004 GEN01.dwg 2/4/2022 1:53:42 PM

GENERAL NOTES:

1. SITE AND TOPOGRAPHIC DATA PROVIDED BY NORTHERN SURVEY ENGINEERING, LLC OF BRUNSWICK, MAINE AS A RESULT OF A FIELD SURVEY CONDUCTED IN AUGUST AND SEPTEMBER 2021. TOPOGRAPHIC DATA ADJACENT TO THE OCEAN AVENUE INTERSECTION IS SUPPLEMENTED WITH NOAA DIGITAL COAST DATA ACCESS VIEWER CUSTOM PROCESSING OF "2018 USACE NOMP TOPOBATHY LIDAR: EAST COAST (CT,MA,ME,NC,NH,RI,SC)."
2. VERTICAL DATUM IS REFERENCED TO NAVD88, DERIVED FROM STATIC GPS OBSERVATIONS. HORIZONTAL DATUM IS REFERENCED TO MAINE STATE PLANE NAD 1983 (FEET), MAINE WEST ZONE.
3. PORTIONS OF THE PROJECT ARE LOCATED WITHIN A FEDERAL EMERGENCY MANAGEMENT AGENCY SPECIAL FLOOD HAZARD ZONE PER PRELIMINARY FLOOD INSURANCE RATE MAP DATABASE 23005C_PRELIMDB DATED AUGUST 30, 2019.
4. THE UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION BY THE CONTRACTOR. CONTACT THE TOWN IMMEDIATELY UPON DISCOVERING ANY CONFLICTS WITH EXISTING AND PROPOSED UTILITY LOCATIONS. NOT ALL EXISTING UTILITIES ARE SHOWN ON PLANS.
5. CLEAN AND/OR FLUSH ALL MANHOLES, CATCH BASINS, AND ASSOCIATED PIPING AFTER THE WORK HAS BEEN COMPLETED.
6. COORDINATE CONSTRUCTION ACTIVITY WITH UTILITY COMPANIES, EMERGENCY SERVICES, AND SCARBOROUGH PUBLIC WORKS. CONTACTS ARE LISTED IN SPECIFICATIONS. NOTIFY UTILITY COMPANIES WITHIN 48 HOURS OF WORK ACTIVITY ADJACENT TO THOSE UTILITIES OR PER UTILITY REQUIREMENTS.
7. CONTRACTOR SHALL NOTIFY ALL UTILITIES PRIOR TO COMMENCING WORK, ALLOWING SUFFICIENT TIME TO LOCATE AND MARK THE LOCATION OF BURIED UTILITIES. CONTRACTOR SHALL CONTACT DIG SAFE PRIOR TO EXCAVATION.
8. RESTORE ALL AREAS DISTURBED BY CONTRACTOR'S OPERATIONS TO ORIGINAL FINISH (GRAVEL, PAVEMENT, GRASS, ETC). RESTORATION OF PAVED SURFACES, GRAVEL SURFACES, DRIVEWAYS, AND LAWNS DAMAGED BY CONSTRUCTION ACTIVITIES OUTSIDE OF LIMITS OF WORK INDICATED ON THE PLANS SHALL BE PERFORMED AT NO ADDITIONAL COST TO OWNER. ANY CURB DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND AND SHALL CONFORM TO TOWN OF SCARBOROUGH AND MAINE DOT SPECIFICATIONS AT NO ADDITIONAL COST TO OWNER.
9. PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF DISTURBED, THE PROPERTY MONUMENT SHALL BE RESET AT THE CONTRACTOR'S EXPENSE BY A LICENSED LAND SURVEYOR ACCEPTABLE TO THE TOWN.
10. EXISTING FACILITIES (I.E., TREES, POLES, LIGHT POSTS, CATCH BASINS, ETC) SHALL BE AND PROTECTED DURING CONSTRUCTION. TOWN RETAINS RIGHT TO KEEP ANY AN ALL REMOVED FACILITIES. CONTRACTOR SHALL DISPOSE OF ANY REMOVED FACILITY AT THE REQUEST OF THE TOWN AT THE CONTRACTOR'S EXPENSE.
11. ALL TREES NOT NOTED TO BE REMOVED OR RELOCATED SHALL BE PROTECTED BY CONTRACTOR DURING CONSTRUCTION.
12. DO NOT PARK, IMPEDE ACCESS TO, OR STORE EQUIPMENT ON ADJACENT TOWN OR PRIVATELY OWNED LOTS, UNLESS PERMISSION HAS BEEN GRANTED IN WRITING BY TOWN AND/OR LAND OWNER.
13. COORDINATE DISRUPTION OF PRIVATE UTILITY SERVICES WITH LANDOWNERS AT LEAST TWO DAYS (48 HOURS) PRIOR TO DISRUPTION. ALL UTILITY COORDINATION IS THE RESPONSIBILITY OF CONTRACTOR.
14. RESTRICT ACCESS TO SITE THROUGH THE USE OF APPROPRIATE SIGNAGE, BARRIERS, FENCES, ETC. SITE SHALL BE LEFT WITH APPROPRIATE SAFETY MEASURES IN PLACE DURING NON-WORKING HOURS. NO TRENCH SHALL BE LEFT OPEN DURING NON-WORKING HOURS. SITE SAFETY IS THE RESPONSIBILITY OF CONTRACTOR, DURING BOTH WORKING AND NON-WORKING HOURS.
15. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS. PERMIT APPLICATIONS SHALL BE SUBMITTED WITH ADEQUATE TIME SO AS NOT TO DELAY CONSTRUCTION.
16. CONTRACTOR SHALL OBTAIN A TOWN STREET OPENING PERMIT BEFORE BEGINNING CONSTRUCTION.
17. UPON COMPLETION OF CONSTRUCTION, A COMPLETE SET OF RECORD DRAWINGS THAT REFLECT ANY AND ALL MODIFICATIONS TO THE SANITARY SEWER SYSTEM, STORM SEWER SYSTEM, AND ANY OTHER UTILITY INSTALLATIONS OR ALTERATION WITHIN THE PROJECT LIMITS MUST BE SUBMITTED TO THE TOWN. THESE DRAWINGS SHALL BE SUBMITTED IN BOTH DIGITAL AND HARD COPY FORMAT AS DEFINED IN THE SPECIFICATIONS PRIOR TO PAYMENT OF FINAL RETAINAGE.
18. WORK IS IN CLOSE PROXIMITY TO EXISTING UTILITIES. PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION SHALL BE INCIDENTAL TO THE PAY ITEM UNDER WHICH WORK TO INSTALL SAID UTILITY IS PERFORMED.
19. FIELD VERIFY UTILITY ELEVATIONS PRIOR TO ORDERING CATCH BASIN AND MANHOLE STRUCTURES. NOTIFY ENGINEER OF ANY CONFLICTS.
20. CONTACT TOWN OF SCARBOROUGH ENGINEER PRIOR TO CUTTING ROOTS, TRIMMING BRANCHES, OR DISTURBING TREES THAT HAVE NOT BEEN NOTED FOR REMOVAL ON THE PLANS.
21. PROVIDE 4-INCHES OF LOAM AND SEED IN ALL LAWN AREAS DISTURBED BY CONTRACTOR'S OPERATIONS, UNLESS OTHERWISE NOTED AS 50D.
22. MUNICIPAL FIRE ALARM AND DATA CABLES ARE LOCATED ABOVEGROUND ATTACHED TO THE UTILITY POLES AND SHALL BE PROTECTED.
23. EXISTING WATER MAIN SHOWN ON PLANS IS BASED ON GROUND SURVEY CONDUCTED BY NORTHERN SURVEY ENGINEERING, LLC IN AUGUST AND SEPTEMBER 2021 AND SUPPLEMENTED WITH PLANS PROVIDED BY THE PORTLAND WATER DISTRICT. WATER MAIN DEPTHS SHOWN IN PROFILE ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED THROUGH TEST PITS IN ADVANCE OF PERFORMING EXCAVATION IN PROXIMITY TO THE WATER MAIN.

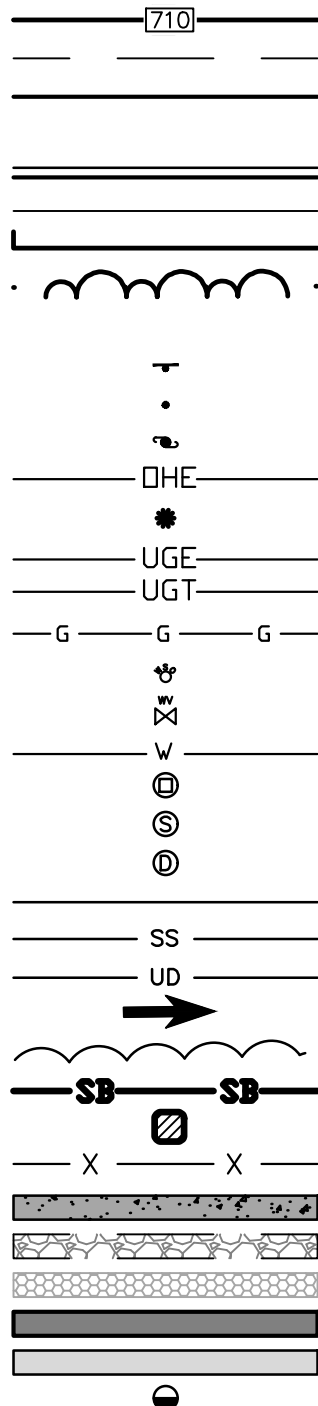
ABBREVIATIONS:

- | | |
|-------|------------------------------------|
| & | AND |
| AG | ABOVEGROUND |
| BIT | BITUMINOUS |
| B/W | BETWEEN |
| CB | CATCH BASIN |
| CI | CAST IRON |
| CMP | CORRUGATED METAL PIPE |
| CONC | CONCRETE |
| DI | DUCTILE IRON |
| DIA | DIAMETER |
| DMH | DRAIN MANHOLE |
| DTL | DETAIL |
| E | UNDERGROUND ELECTRICAL |
| EL | ELEVATION |
| EOP | EDGE OF PAVEMENT |
| EXIST | EXISTING |
| FFE | FINISHED FLOOR ELEVATION |
| FT | FOOT/FEET |
| G | GAS MAIN |
| GS | GAS SERVICE |
| GALV | GALVANIZED |
| GRAN | GRANITE |
| HDPE | HIGH DENSITY POLYETHYLENE |
| HMA | HOT MIX ASPHALT |
| HYD | HYDRANT |
| INV | INVERT |
| LF | LINEAR FEET |
| MAX | MAXIMUM |
| MDOT | MAINE DEPARTMENT OF TRANSPORTATION |
| MIN | MINIMUM |
| MM | MILLIMETER |
| MON | MONUMENT |
| NIC | NOT IN CONTRACT |
| NO | NUMBER |
| NR | NO REFUSAL |
| NTS | NOT TO SCALE |
| OHE | OVERHEAD ELECTRIC |
| OH | OVERHEAD |
| PROP | PROPOSED |
| PT | POINT |
| PVC | POLYVINYL CHLORIDE |
| ROW | RIGHT-OF-WAY |
| RCP | REINFORCED CONCRETE PIPE |
| REINF | REINFORCED |
| REQD | REQUIRED |
| S | SEWER |
| SD | STORM DRAIN |
| SMH | SEWER MANHOLE |
| SCH | SCHEDULE |
| STA | STATION |
| TYP | TYPICAL |
| UP | UTILITY POLE |
| VC | VITRIFIED CLAY |
| W | WATER |
| W/ | WITH |
| WM | WATER MAIN |
| WS | WATER SERVICE |
| WV | WATER VALVE |

LEGEND

- | | |
|--------------------------------|--|
| PROPERTY LINE/ROW | |
| ADJACENT PROPERTY LINE | |
| SETBACKS | |
| MONUMENTS | |
| CONTOURS | |
| EDGE OF GRAVEL | |
| EDGE OF PAVEMENT | |
| WETLAND SYMBOL | |
| CURB | |
| PAVEMENT STRIPING | |
| BUILDINGS | |
| TREES/TREELINE | |
| STONEWALL | |
| SIGNS | |
| BOLLARDS | |
| UTILITY POLE | |
| OVERHEAD ELECTRIC | |
| LIGHTS | |
| UNDERGROUND ELECTRIC | |
| UNDERGROUND TELECOMMUNICATIONS | |
| GAS LINE | |
| WATER SHUTOFF | |
| WATER VALVE | |
| WATER LINE | |
| CATCH BASIN | |
| SEWER MANHOLE | |
| DRAIN MANHOLE | |
| STORM DRAIN LINE | |
| SANITARY SEWER LINE | |
| UNDERDRAIN LINE | |
| TRAFFIC FLOW DIRECTION | |
| SNOW STORAGE AREA | |
| SEDIMENT BARRIER | |
| INLET PROTECTION | |
| FENCE | |
| CONCRETE | |
| GRAVEL SURFACE | |
| RIPRAP | |
| ASPHALT PAVEMENT | |
| BITUMINOUS SIDEWALK | |
| SOIL BORING | |

PROPOSED



ALIGNMENT LINE DATA				
LINE #	LENGTH	BEARING	ALIGNMENT NAME	
L1	441.92'	N51°19'06"E	Spurwink Road	
L2	727.71'	N49°09'26"E	Spurwink Road	
L3	395.16'	N2°50'47"E	Spurwink Road	
L4	80.46'	N40°36'30"E	Spurwink Road	
L5	206.74'	N36°26'06"E	Spurwink Road	
L6	259.07'	N48°06'58"E	Spurwink Road	
L7	492.75'	N38°02'28"E	Spurwink Road	
L8	774.45'	N59°22'58"E	Spurwink Road	
L9	252.05'	N70°56'27"E	Spurwink Road	
L10	478.39'	N45°07'34"E	Spurwink Road	
L11	439.71'	N61°48'34"E	Spurwink Road	
L12	250.77'	N65°55'39"E	Spurwink Road	
L13	577.62'	N60°11'32"E	Spurwink Road	
L14	83.33'	N50°57'15"E	Spurwink Road	
L15	200.00'	S28°25'47"E	Ocean Avenue	
L16	80.82'	S44°54'19"E	Pleasant Hill Road	
L17	112.13'	S51°59'14"E	Sawyer Street	

ALIGNMENT CURVE DATA				
CURVE #	RADIUS	LENGTH	DELTA	ALIGNMENT NAME
C1	1500.00'	56.57'	2°09'40"	Spurwink Road
C2	600.00'	484.97'	46°18'39"	Spurwink Road
C3	1100.00'	724.98'	37°45'43"	Spurwink Road
C4	2000.00'	145.68'	4°10'24"	Spurwink Road
C5	2000.00'	407.74'	11°40'51"	Spurwink Road
C6	1350.00'	237.39'	10°04'30"	Spurwink Road
C7	700.00'	260.74'	21°20'30"	Spurwink Road
C8	400.00'	80.69'	11°33'29"	Spurwink Road
C9	1200.00'	540.66'	25°48'52"	Spurwink Road
C10	1000.00'	291.18'	16°41'00"	Spurwink Road
C11	2000.00'	143.74'	4°07'04"	Spurwink Road
C12	600.00'	60.06'	5°44'07"	Spurwink Road
C13	800.00'	128.99'	9°14'17"	Spurwink Road
C14	400.00'	296.36'	42°27'01"	Spurwink Road
C15	2619.64'	279.59'	6°06'54"	Spurwink Road
C16	1000.00'	344.54'	19°44'26"	Spurwink Road
C17	1432.39'	223.64'	8°56'44"	Spurwink Road
C18	500.00'	8.52'	0°58'35"	Pleasant Hill Road

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GEN01.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

GENERAL
NOTES &
LEGEND

SHEET NO:

C-002

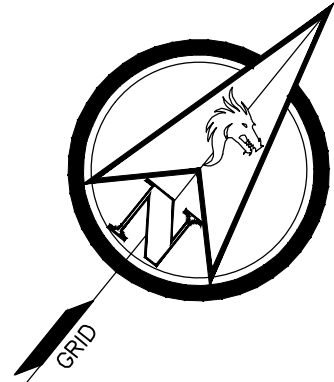


50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

GENERAL NOTES:

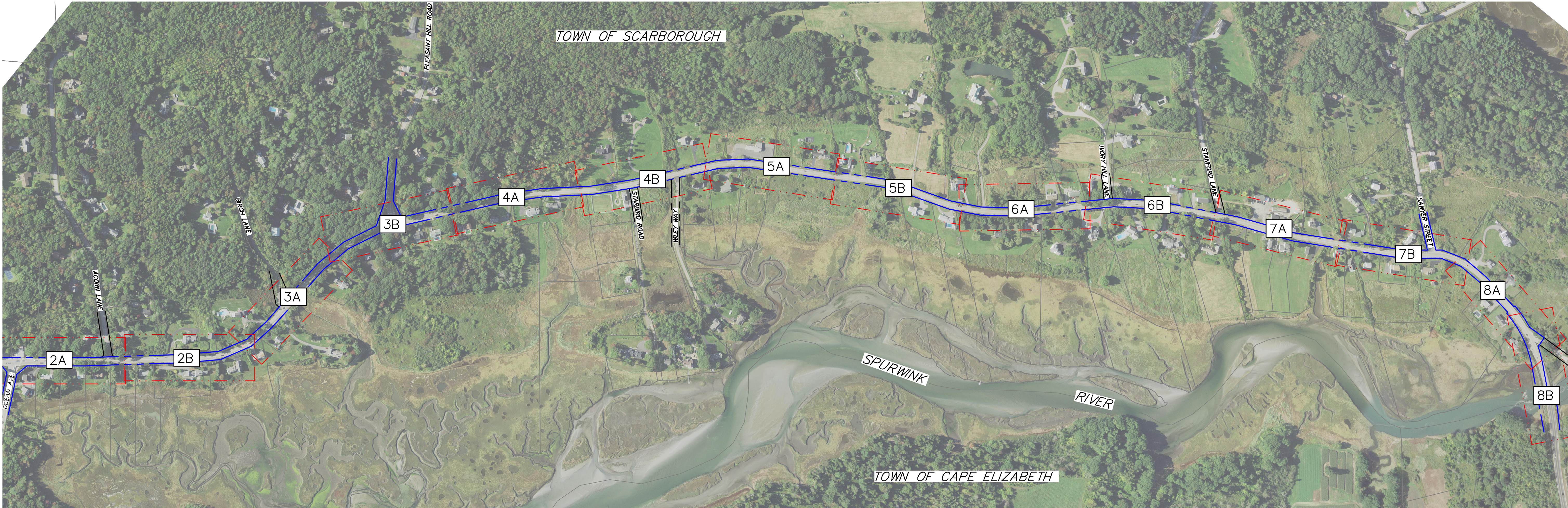
1. THE PURPOSE OF THIS PLAN IS TO DEPICT THE EXISTING USE AND TOPOGRAPHY OF A PORTION OF SPURWINK ROAD, AND IT IS NOT A REDEFINITION. THE LOCATION OF THE SPURWINK ROAD RIGHT OF WAY IS BASED ON THE REFERENCES LISTED, FIT TO MONUMENTATION FOUND DURING THE COURSE OF THIS SURVEY USING A HELMERT ADJUSTMENT. RECORD RIGHT OF WAY DIMENSIONS SHOWN ON PLAN REF. C WERE FOUND TO NOT FIT MONUMENTS FOUND AS PART OF THIS FIELD SURVEY, AND ADJUSTMENTS WERE MADE TO CONFORM SECTIONS OF THE RECORD RIGHT OF WAY TO FOUND EVIDENCE NOTED AS "HELD" HEREON.
- BOUNDARY LINES OF PROPERTIES AND RIGHTS OF WAY ABUTTING THE SUBJECT RIGHT OF WAY ARE SHOWN AS APPROXIMATE BASED ON AVAILABLE PLANS OF RECORD AND TAX ASSESSORS DATA. FIELD SURVEY OF PARCELS ABUTTING THE SUBJECT RIGHT OF WAY WAS NOT COMPLETED AND LINES SHOWN ARE NOT AN OPINION OF TITLE.
2. BOUNDARY & TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON AN ON-THE-GROUND FIELD SURVEY COMPLETED BY NORTHERN SURVEY ENGINEERING, LLC IN SEPTEMBER, 2021.
3. BOOK AND PAGE REFERENCES SHOWN HEREON ARE IN REFERENCE TO THE CUMBERLAND COUNTY REGISTRY OF DEEDS (C.C.R.D.)
4. BEARINGS SHOWN HEREON ARE IN REFERENCE TO GRID NORTH, MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE 1802-NAD83. ELEVATIONS DEPICTED HEREON ARE IN REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED GPS OBSERVATIONS.
5. DISTANCES SHOWN ARE GRID DISTANCES, USE A COMBINED SCALE FACTOR OF 1.00003351 TO CONVERT TO GROUND.
6. UTILITY INFORMATION DEPICTED HEREON IS COMPILED USING PHYSICAL SURFACE EVIDENCE LOCATED IN THE FIELD IN CONJUNCTION WITH ANY RECORD INFORMATION AVAILABLE AT THE TIME OF THIS SURVEY (SUE LEVEL C), AND MAY NOT NECESSARILY REPRESENT ALL EXISTING UTILITIES. A FIELD DELINEATION WAS NOT COMPLETED AS PART OF THIS SURVEY AND UTILITIES SHOWN ARE APPROXIMATE. CONTRACTORS AND/OR DESIGNERS NEED TO CONTACT DIG-SAFE SYSTEMS, INC. (1-888-DIG-SAFE) AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION AND/OR EXCAVATION.
7. A WETLAND DELINEATION WAS PERFORMED ON THIS PROJECT SITE IN NOVEMBER, 2020 BY ALEX FINAMORE, CERTIFIED SOIL SCIENTIST OF MAINLY SOILS, LLC, AND LOCATED BY SUB-METER GPS DURING THE DELINEATION. THIS DELINEATION CONFORMS TO THE STANDARDS AND METHODS OUTLINED IN THE 1987 WCMAS DELINEATION MANUAL AND NORTHEAST REGIONAL SUPPLEMENT AUTHORED AND PUBLISHED BY THE U.S. ARMY CORPS OF ENGINEERS. NO VERIFICATION OF WETLAND FLAGGING SHOWN WAS COMPLETED AS PART OF THIS SURVEY.

8. DOCUMENT REFERENCES:
- A. CUMBERLAND COUNTY COMMISSIONERS VOLUME 24D, PAGE 1349, DATED 1961.
- B. CUMBERLAND COUNTY COMMISSIONERS VOLUME 24D, PAGE 1379, DATED 1964.
- C. "PLAN OF SPURWINK ROAD IN THE TOWN OF SCARBOROUGH AS DEFINED BY THE COMMISSIONERS OF CUMBERLAND COUNTY FOLLOWING HEARING ON SAME" DATED MAY 9, 1962, BY H.H. SWEETSER, H.J. & E.C. JORDAN SURVEYORS, ON FILE WITH THE OFFICE OF OWEN HASKELL, INC.
- D. STATE OF MAINE DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP, STATE AID HIGHWAY NO. 3, D.O.T. FILE NO. 3-333, DATED 1985.
- E. MAINE STATE HIGHWAY COMMISSION RIGHT OF WAY MAP, STATE HIGHWAY NO. 11, S.H.C. FILE NO. S-3-304, DATED SEPTEMBER, 1966.



LEGEND

- | | | | | |
|-----|-------------------|-----|---------------------|---------------------|
| --- | RIGHT-OF-WAY LINE | --- | S | SANITARY SEWER |
| --- | ABUTTER LINE | --- | SD | STORM DRAIN |
| --- | EASEMENT | --- | == | CULVERT |
| --- | BUFFER | --- | OHU | OVERHEAD UTILITY |
| --- | FLOODPLAIN | --- | UGU | UNDERGROUND UTILITY |
| --- | CENTERLINE | --- | RIPRAP | |
| --- | BUILDING | --- | N/F | NOW OR FORMERLY |
| --- | DECK/STEPS | --- | A.G. | ABOVE GRADE |
| --- | EDGE WETLAND | --- | B.G. | BELOW GRADE |
| --- | LANDSCAPING | --- | MONUMENT FOUND | |
| --- | STREAM | --- | IRON PIPE/ROD FOUND | |
| --- | LEDGE | --- | SURVEY CONTROL | |
| --- | EDGE PAVEMENT | --- | DECIDUOUS TREE | |
| --- | EDGE CONCRETE | --- | CONIFEROUS TREE | |
| --- | PAVEMENT PAINT | --- | BOLLARD/POST | |
| --- | EDGE GRAVEL | --- | SIGN | |
| --- | CURB LINE | --- | GAS GATE VALVE | |
| --- | EDGE OF WATER | --- | WATER GATE VALVE | |
| --- | TREELINE | --- | WATER SHUT OFF | |
| --- | CONTOURS | --- | HYDRANT | |
| --- | SPOT GRADE | --- | SANITARY MANHOLE | |
| --- | CHAIN LINK FENCE | --- | WETLANDS | |
| --- | WIRE FENCE | --- | CATCH BASIN | |
| --- | WOOD FENCE | --- | ELECTRIC METER | |
| --- | GUARD RAIL | --- | LIGHT POLE | |
| --- | STONE WALL | --- | UTILITY POLE | |
| --- | RETAINING WALL | --- | GUY WIRE | |
| --- | GAS | --- | | |
| --- | WATER | --- | | |



SURVEYORS CERTIFICATION:

THIS SURVEY WAS PERFORMED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, IT WAS DONE IN ACCORDANCE WITH CHAPTER 90, PART 1 (PROFESSIONAL STANDARDS OF PRACTICE) AND PART 2 (TECHNICAL STANDARDS OF PRACTICE) OF THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS.

SEAN P. PIERCE, MAINE PLS 2517

01/24/22
DATE

BOUNDARY & EXISTING CONDITIONS SURVEY

OF:
ROUTE 77 - SPURWINK ROAD
OCEAN AVENUE TO CAPE ELIZABETH
SCARBOROUGH, MAINE 04070

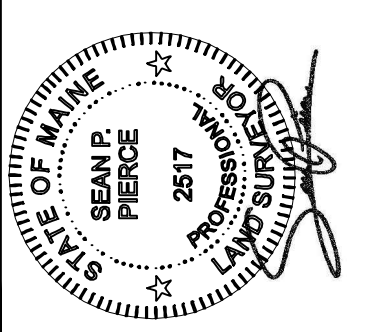
FOR:
TOWN OF SCARBOROUGH
259 U.S. ROUTE 1
SCARBOROUGH, MAINE 04070

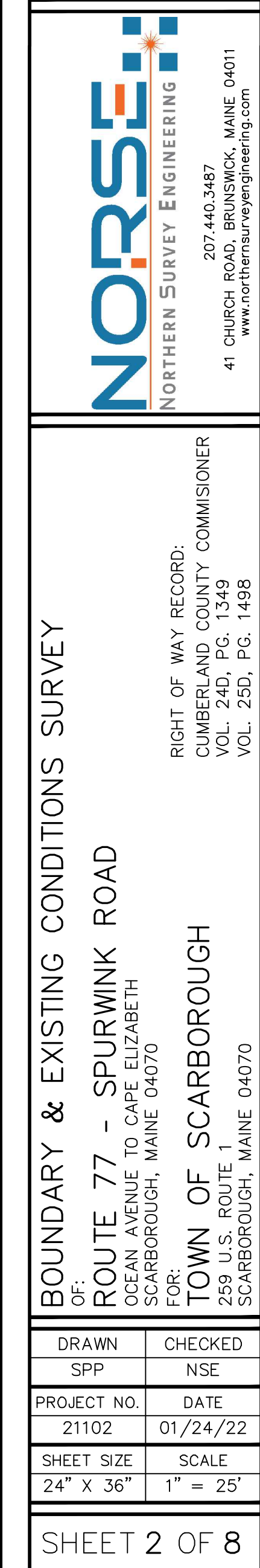
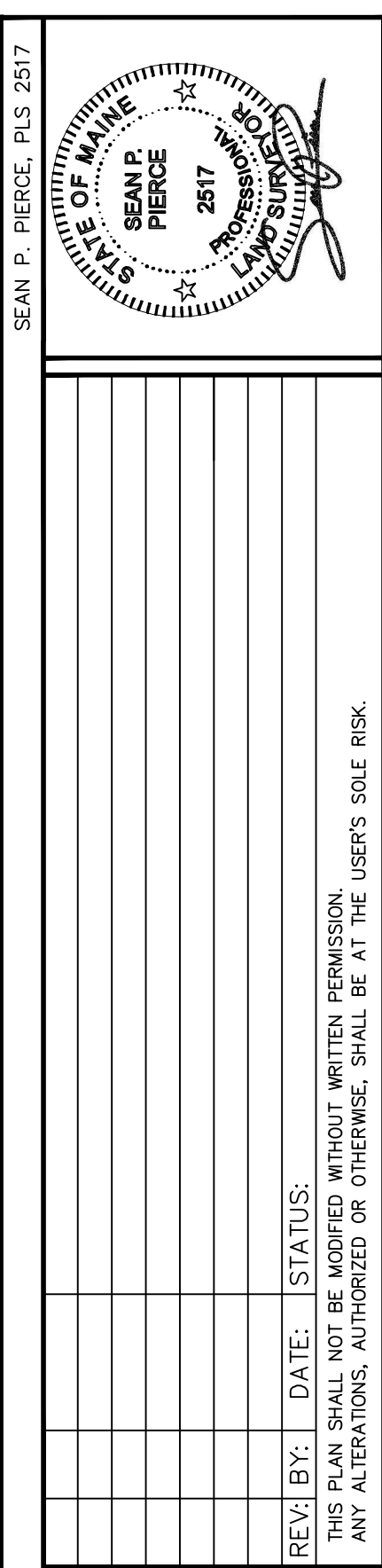
RIGHT OF WAY RECORD:
CUMBERLAND COUNTY COMMISSIONER
VOL. 24D, PG. 1349
VOL. 25D, PG. 1498

NORSE
NORTHERN SURVEY ENGINEERING
207.440.3487
41 CHURCH ROAD, BRIDGEWICK, MAINE 04011
www.northernsurveyengineering.com

REV: BY: DATE: STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION
ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK.

SEAN P. PIERCE PLS 2517







N/F
JOHN CLOUTIER
MELISSA CLOUTIER
100 SPURWINK RD.
MAP R99, LOT 23A
BK. 25891, PG. 111

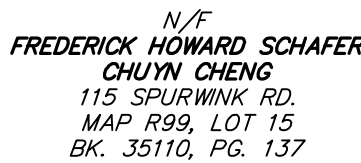
N/F
CHARLES A. TARLING
MARTHA I. TARLING
3 INDIAN ROCK RD.
MAP R99, LOT 24
BK. 13000, PG. 14

N/F
THERESA A. CLOUTIER
111 SPURWINK RD.
MAP R99, LOT 17
BK. 18451, PG. 262

N/F
EDWARD C. OSGOOD
JANE B. OSGOOD
103 SPURWINK RD.
MAP R99, LOT 19
BK. 3142, PG. 619

N/F
DAVID R. BENEMAN
CHRISTINE T. BENEMAN
105 SPURWINK RD.
MAP R99, LOT 18
BK. 11498, PG. 247

N/F
UNITED STATES OF AMERICA
135 SPURWINK RD.
MAP R99, LOT 9
BK. 4014, PG. 13



N/F
DAVID A. GROSS
KATHRYN L. GROSS
2 INDIAN ROCK RD.
MAP R99, LOT 25
BK. 26557, PG. 1

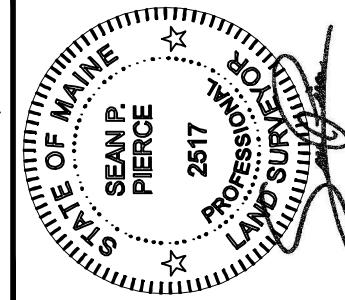
N/F
JOHN D. MCCLEAN
JUNE L. MCCLEAN
122 SPURWINK RD.
MAP R99, LOT 48
BK. 12515, PG. 180

N/F
AARON R. COWELL
SARAH ELIZABETH OVERSTREET
119 SPURWINK RD.
MAP R99, LOT 13
BK. 35386, PG. 274

N/F
M. FORD, SR.
SPURWINK RD.
R99, LOT 12
32710 PG. 67

GRAPHIC SCALE

(IN FEET)
1 INCH = 25 FT.



SEAN P. PIERCE, PLS 2517

REV:	BY:	DATE:	STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK.			



207.440.3487
41 CHURCH ROAD, BRUNSWICK, MAINE 04011
www.northernsurveyengineering.com

SURVEY

BOUNDARY & EXISTING CONDITIONS SURVEY

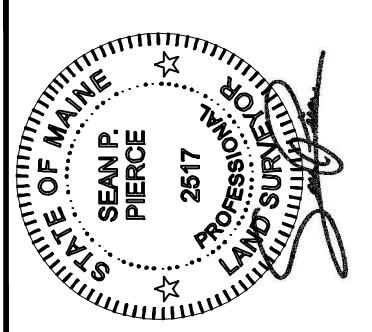
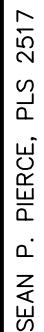
OF: ROUTE 77 - SPURWINK ROAD
OCEAN AVENUE TO CAPE ELIZABETH
SCARBOROUGH, MAINE 04070

FOR:
SCARBOROUGH, MAINE 04070

TOWN OF SCARBOROUGH
259 U.S. ROUTE 1
SCARBOROUGH, MAINE 04070

DRAWN	CHECKED
SPP	NSE
PROJECT NO.	DATE
21102	01/24/22
SHEET SIZE	SCALE
24" X 36"	1" = 25'

SHEET 3 OF 8

[illegible]

REV:	BY:	DATE:	STATUS:
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK.			



207.440.3487
41 CHURCH ROAD, BRUNSWICK, MAINE 04011
www.northernsurveyengineering.com



of:
ROUTE 77 - SPURWINK ROAD

OCEAN AVENUE TO CAPE ELIZABETH
SCARBOROUGH, MAINE 04070

FOR:
TOWN OF SCARBOROUGH

TOWN OF SCARBOROUGH
259 U.S. ROUTE 1
SCARBOROUGH, MAINE 04070

SCARBOROUGH, MAINE 04070

RIGHT OF WAY RECORD:
CUMBERLAND COUNTY COMMISSIONER
VOL. 24D, PG. 1349
VOL. 25D, PG. 1498

RIGHT OF WAY RECORD:
CUMBERLAND COUNTY COMMISSIONER
VOL. 24D, PG. 1349
VOL. 25D, PG. 1498

DRAWN	CHECKED
SPP	NSE
PROJECT NO.	DATE
21102	01/24/22
SHEET SIZE	SCALE
24" X 36"	1" = 25'

SHEET 7 OF 8

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

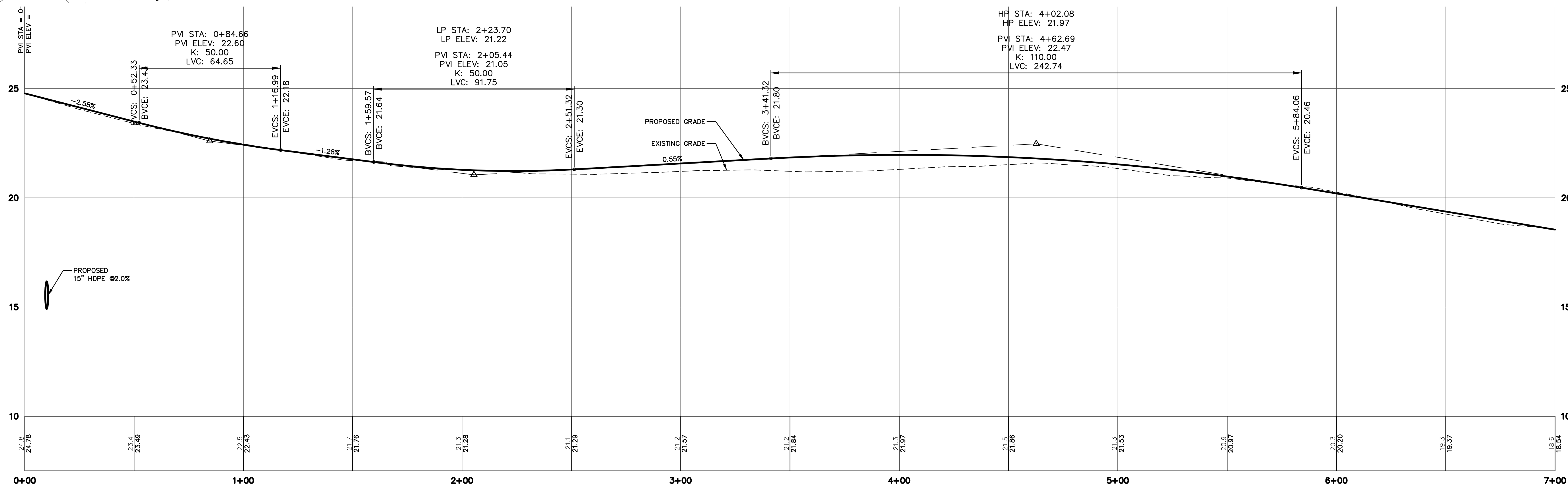
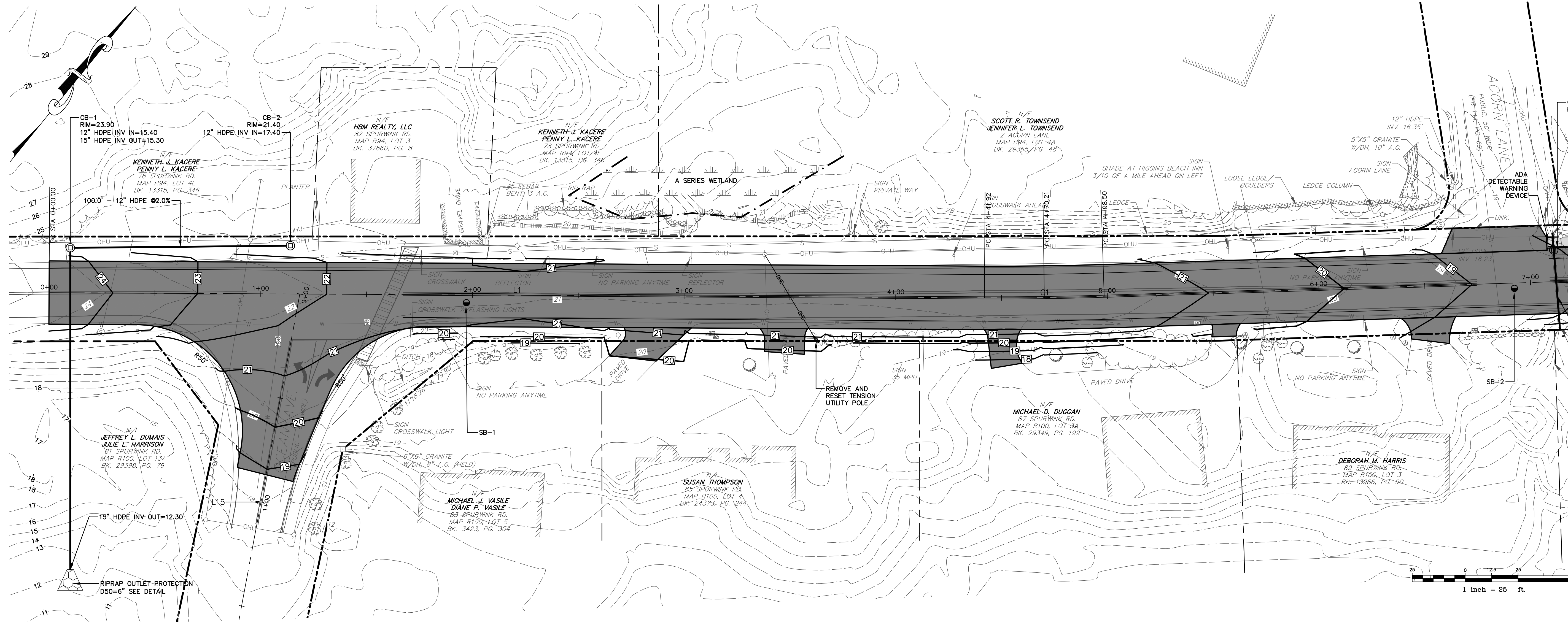
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 0+00 TO
STA 7+00

SHEET NO:

C-201



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

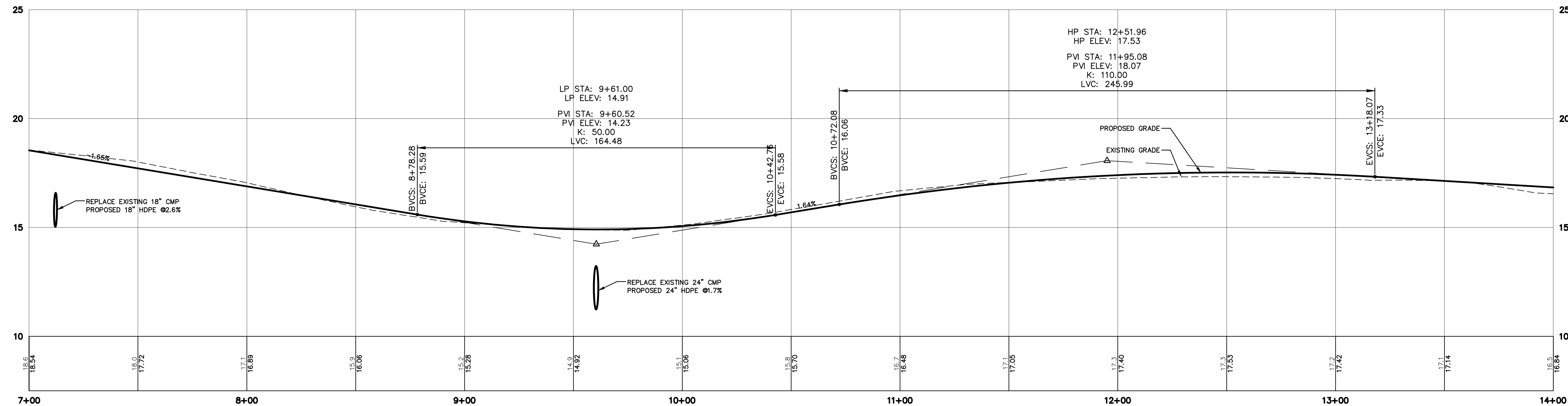
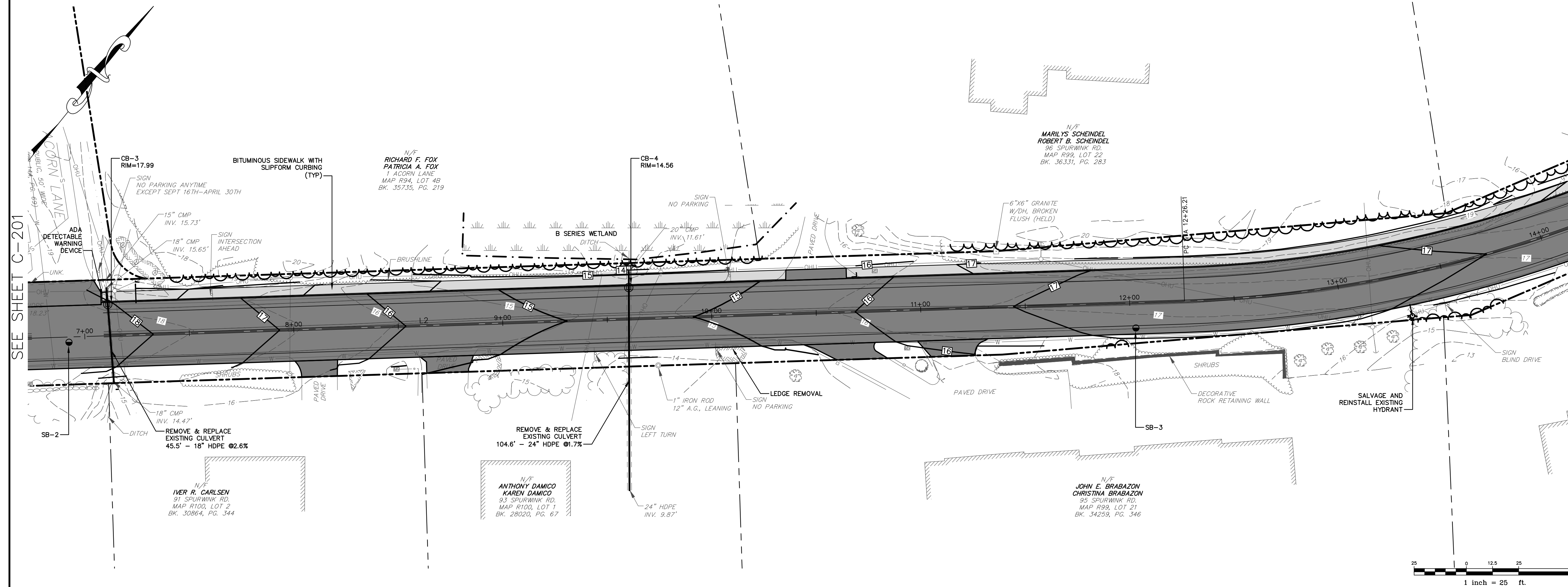
SPURWINK ROAD
PLAN & PROFILE
STA 7+00 TO
STA 14+00

SHEET NO:

C-202

SEE SHEET C-201

SEE SHEET C-203



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

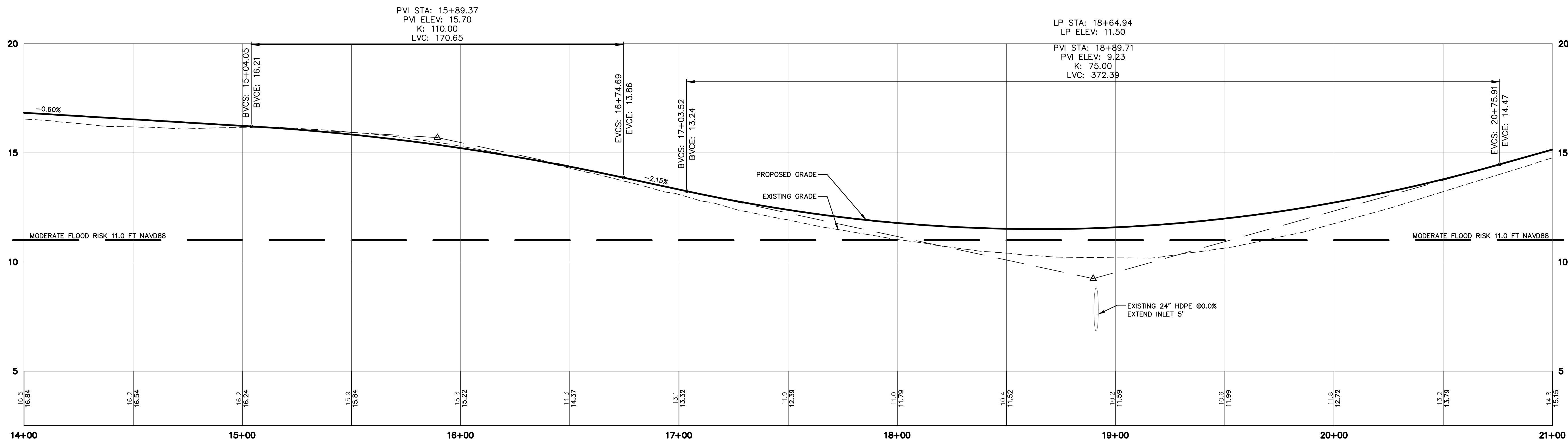
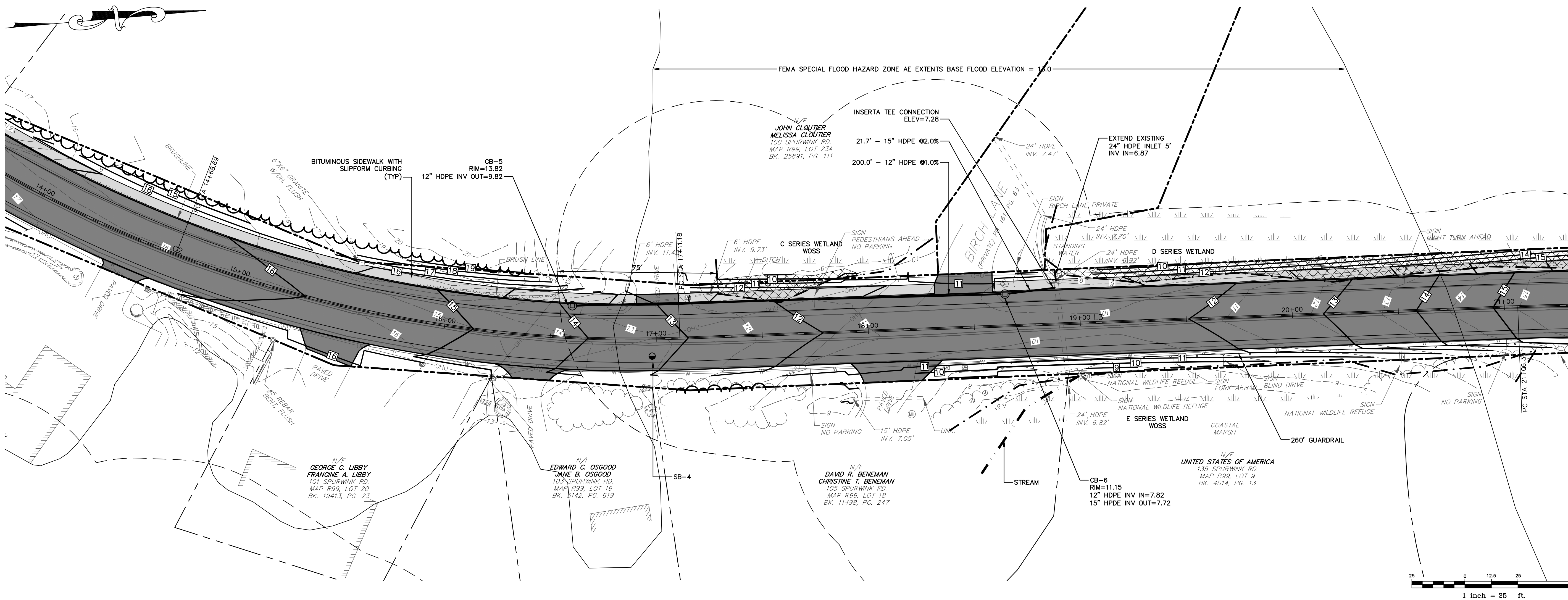
SPURWINK ROAD
PLAN & PROFILE
STA 14+00 TO
STA 21+00

SHEET NO:

C-203

SEE SHEET C-202

SEE SHEET C-204



DRAFT

SEE SHEET C-205

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

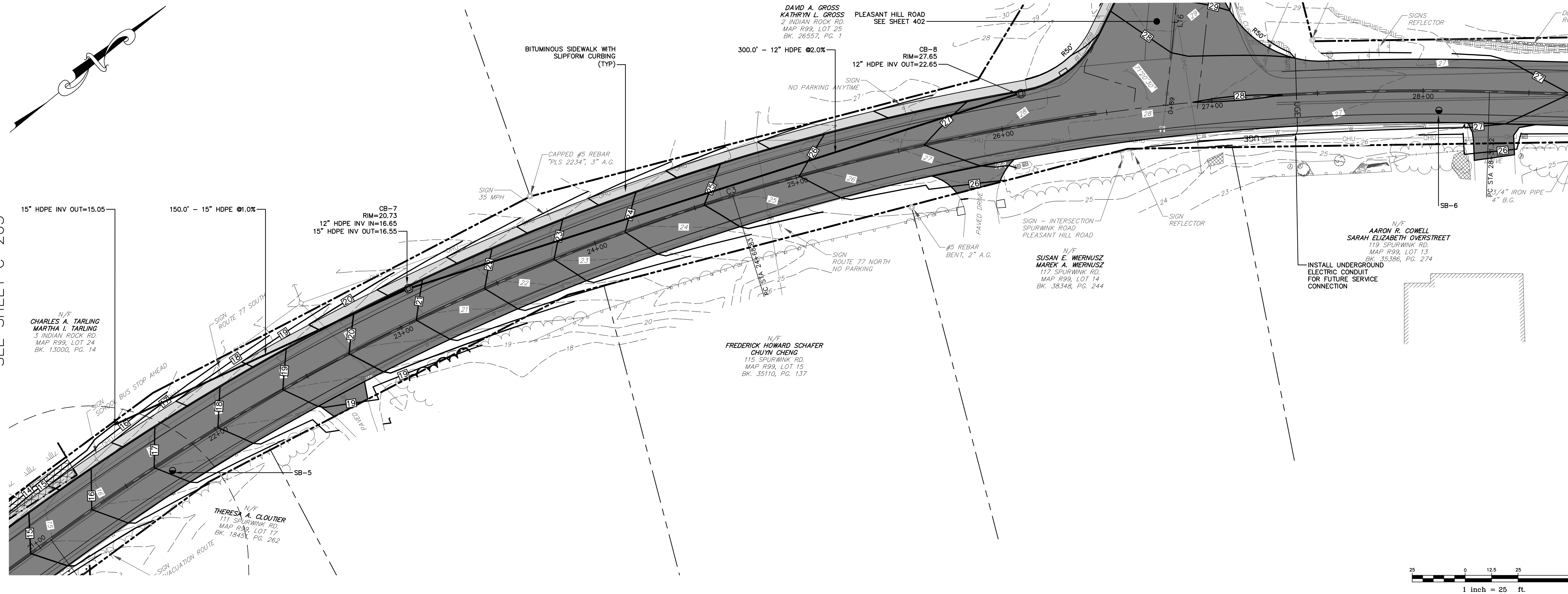
SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 21+00 TO
STA 28+00

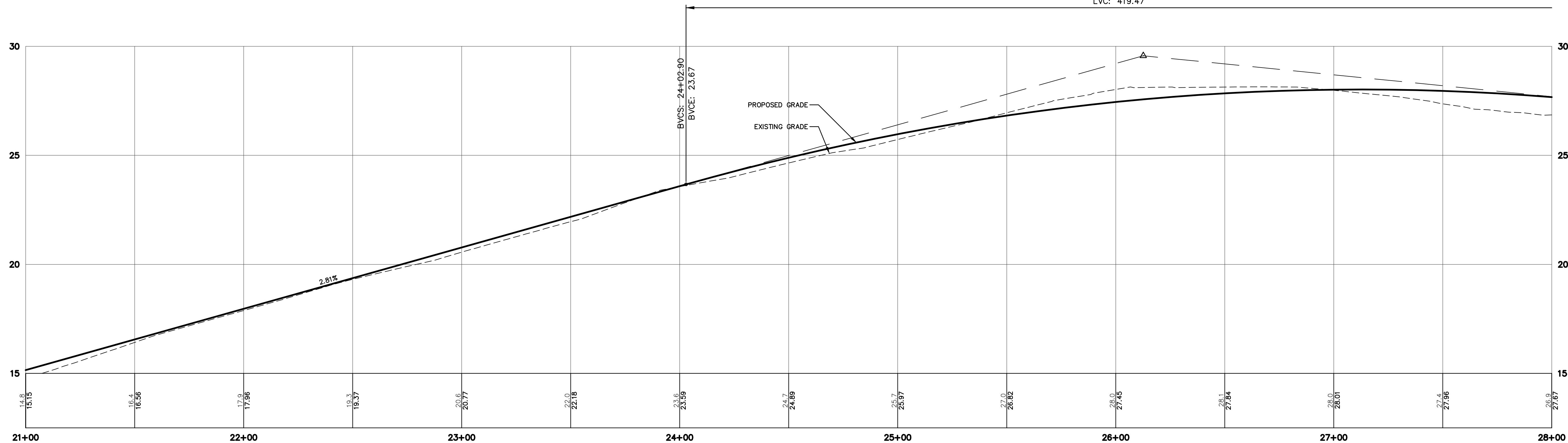
SHEET NO:

C-204

SEE SHEET C-203



HP STA: 27+12.31
HP ELEV: 28.02
PVI STA: 26+12.63
PVI ELEV: 29.57
K: 110.00
LVC: 419.47



DRAFT

[illegible]

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

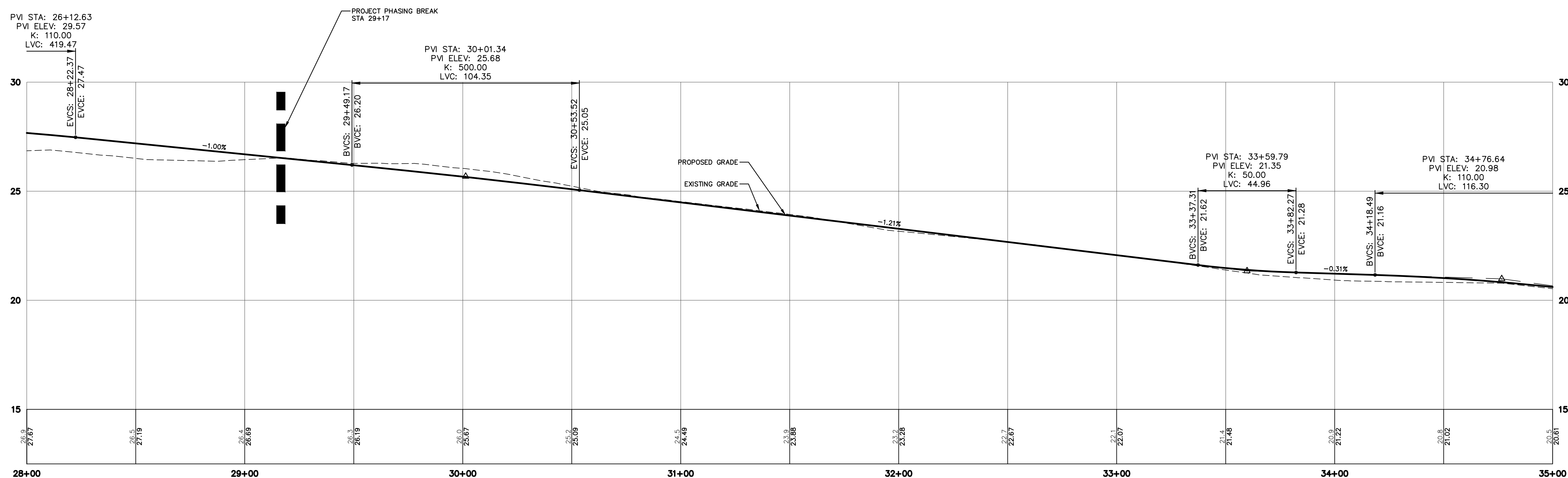
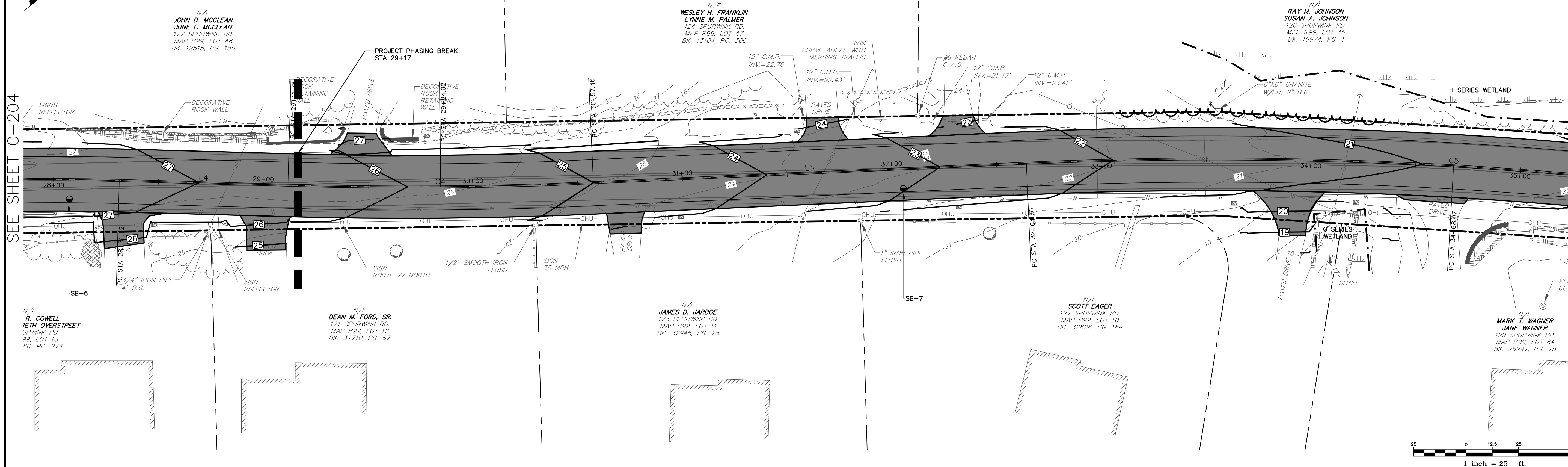
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 28+00 TO
STA 35+00

SHEET NO:

C-205



50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

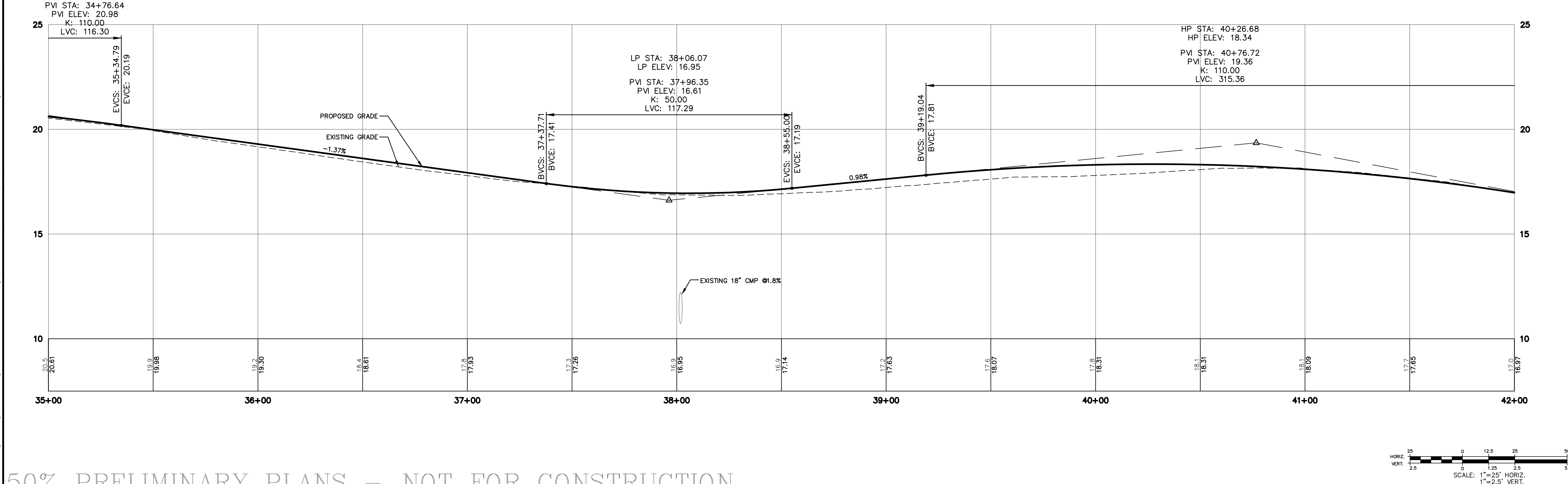
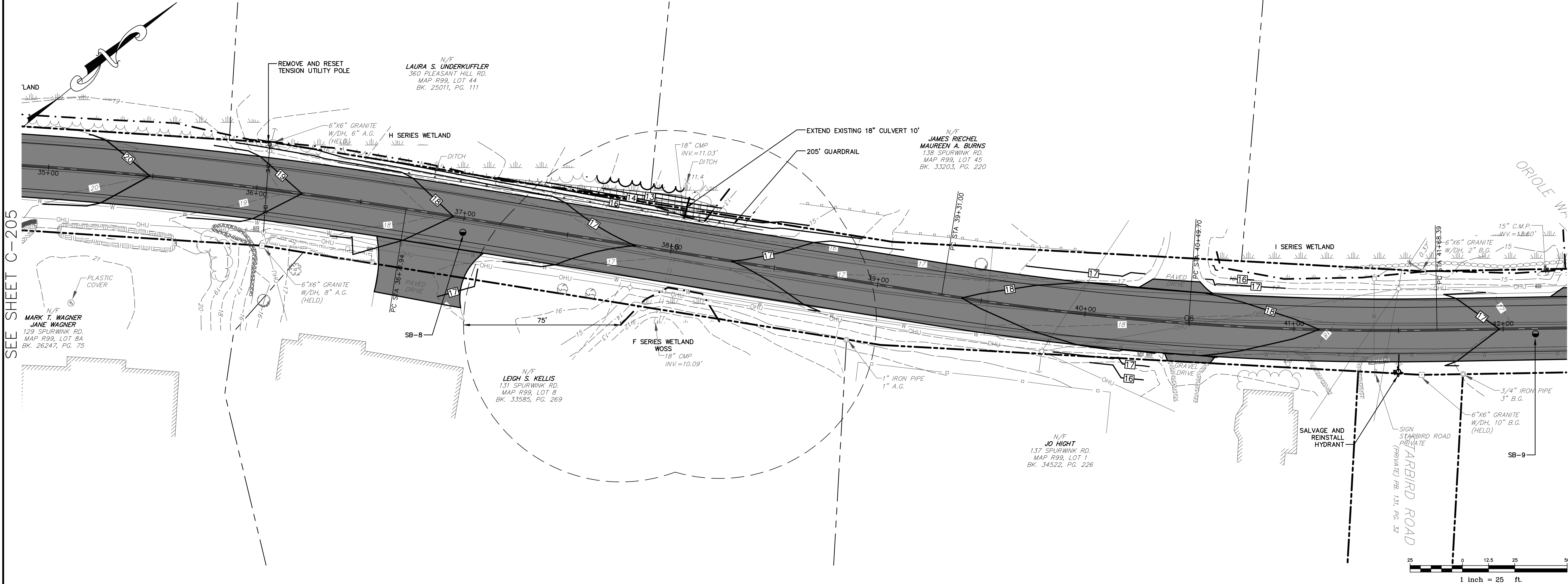
SPURWINK ROAD
PLAN & PROFILE
STA 35+00 TO
STA 42+00

SHEET NO:

C-206

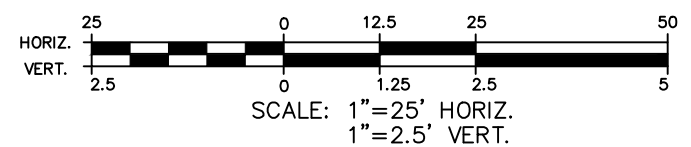
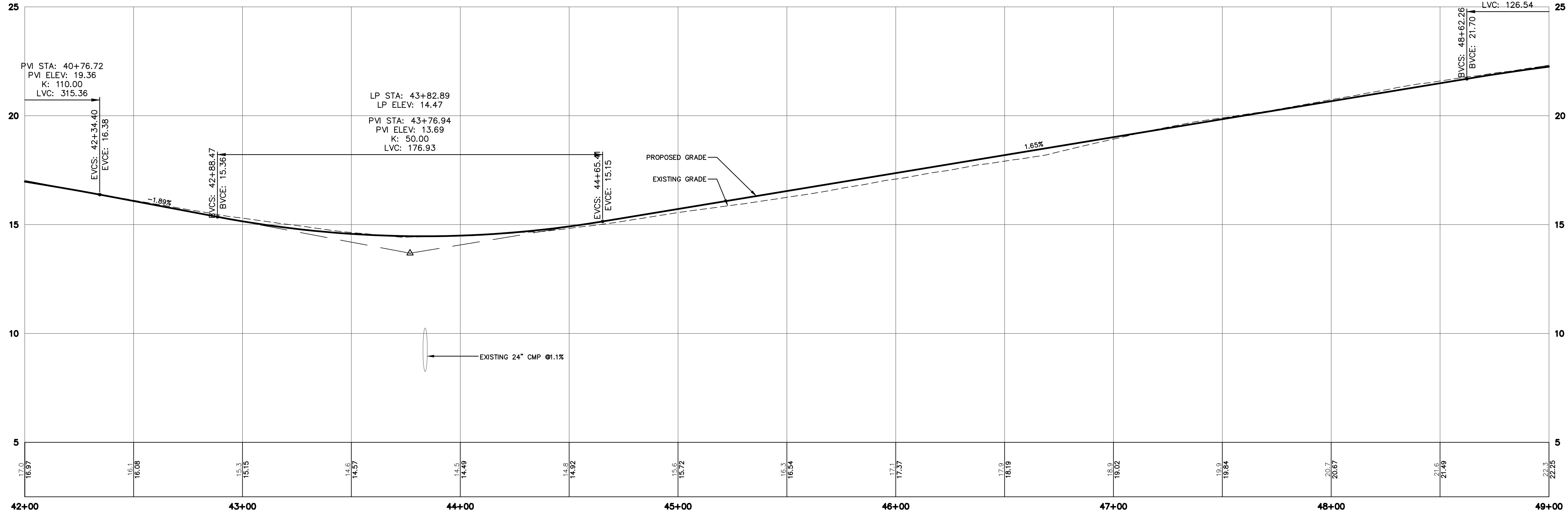
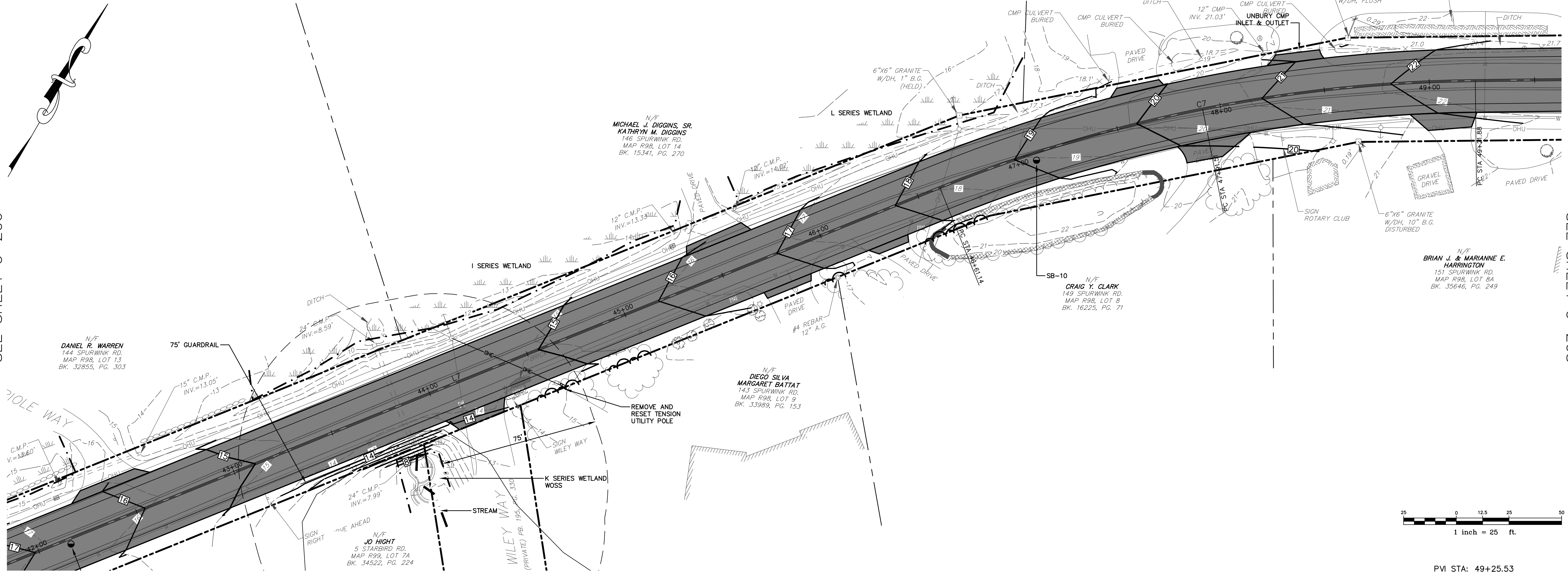
SEE SHEET C-205

SEE SHEET C-207



M:_Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004_GRA09.dwg 2/4/2022 1:43:19 PM

SEE SHEET C-206



DRAFT

SEE SHEET C-208

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 42+00 TO
STA 49+00

SHEET NO:

C-207

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

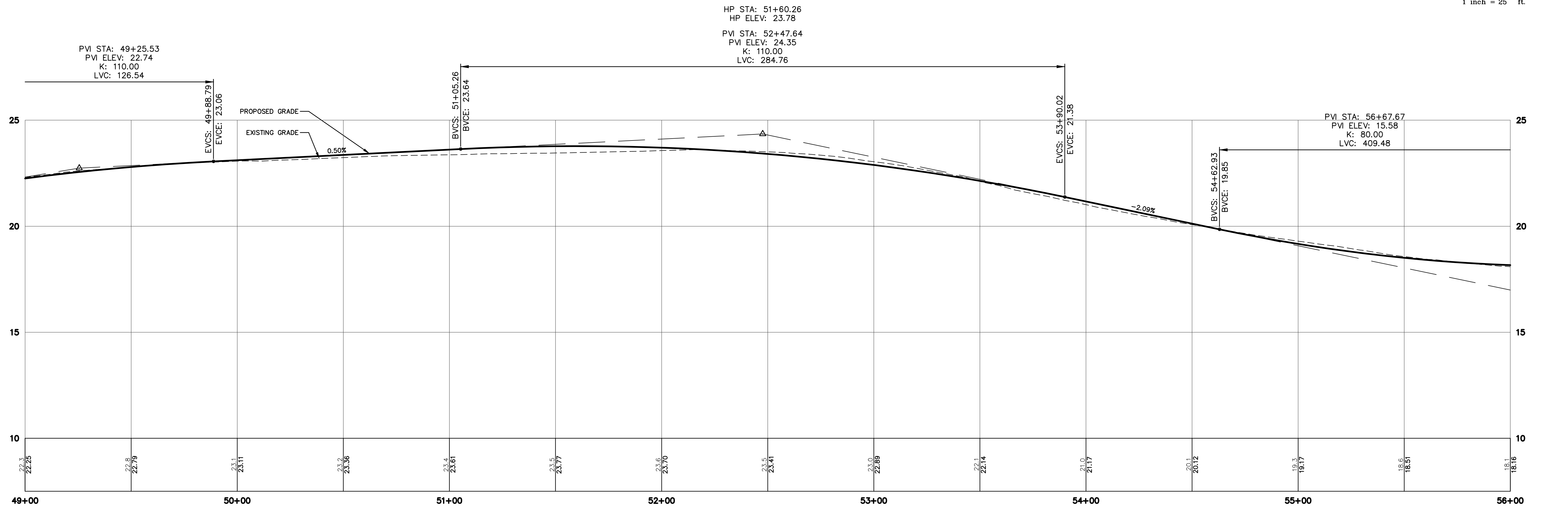
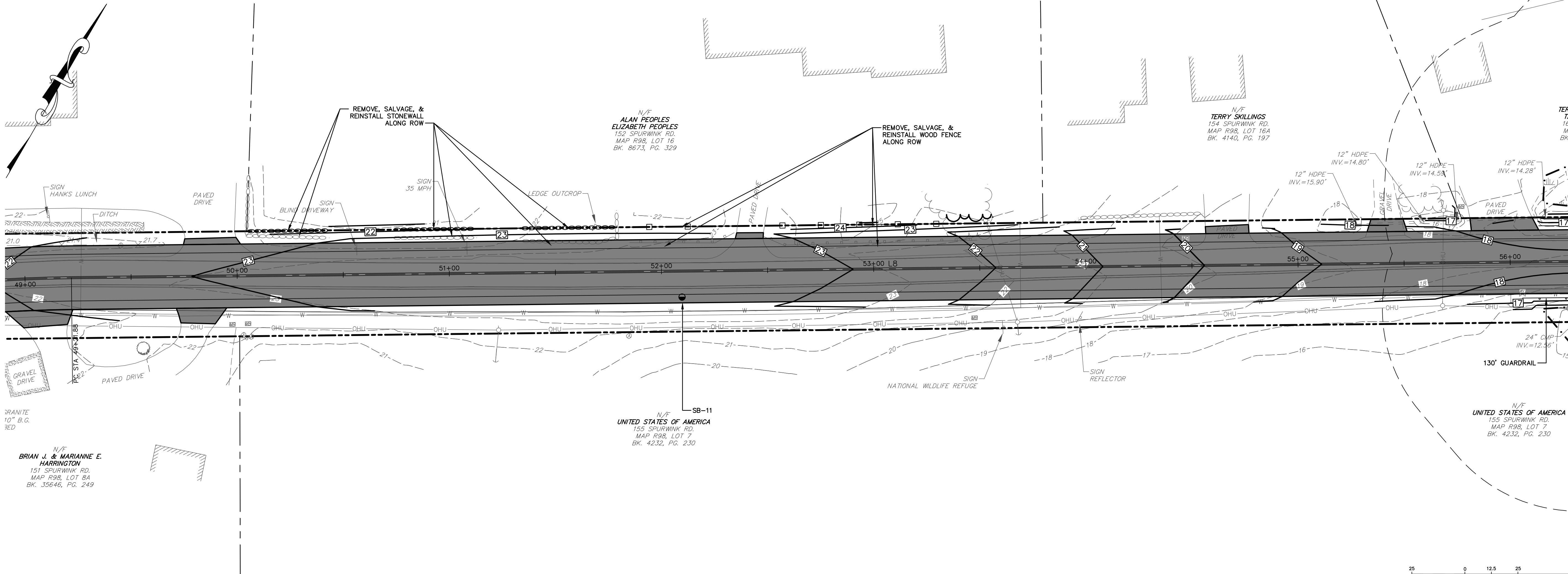
SPURWINK ROAD
PLAN & PROFILE
STA 49+00 TO
STA 56+00

SHEET NO:

C-208

SEE SHEET C-207

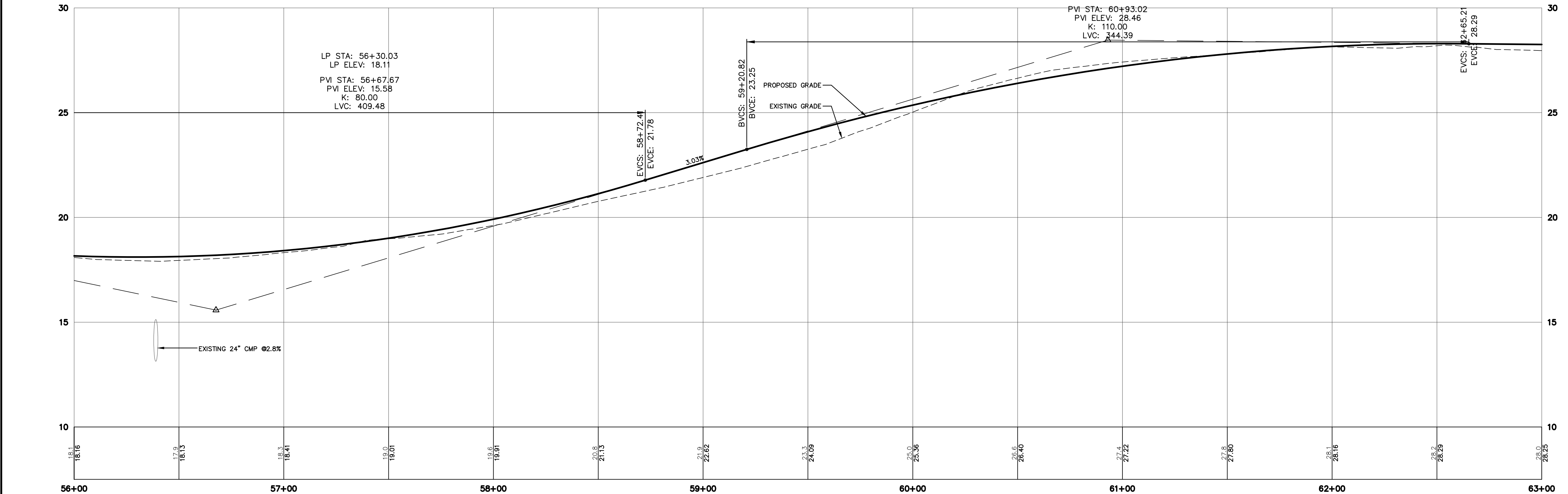
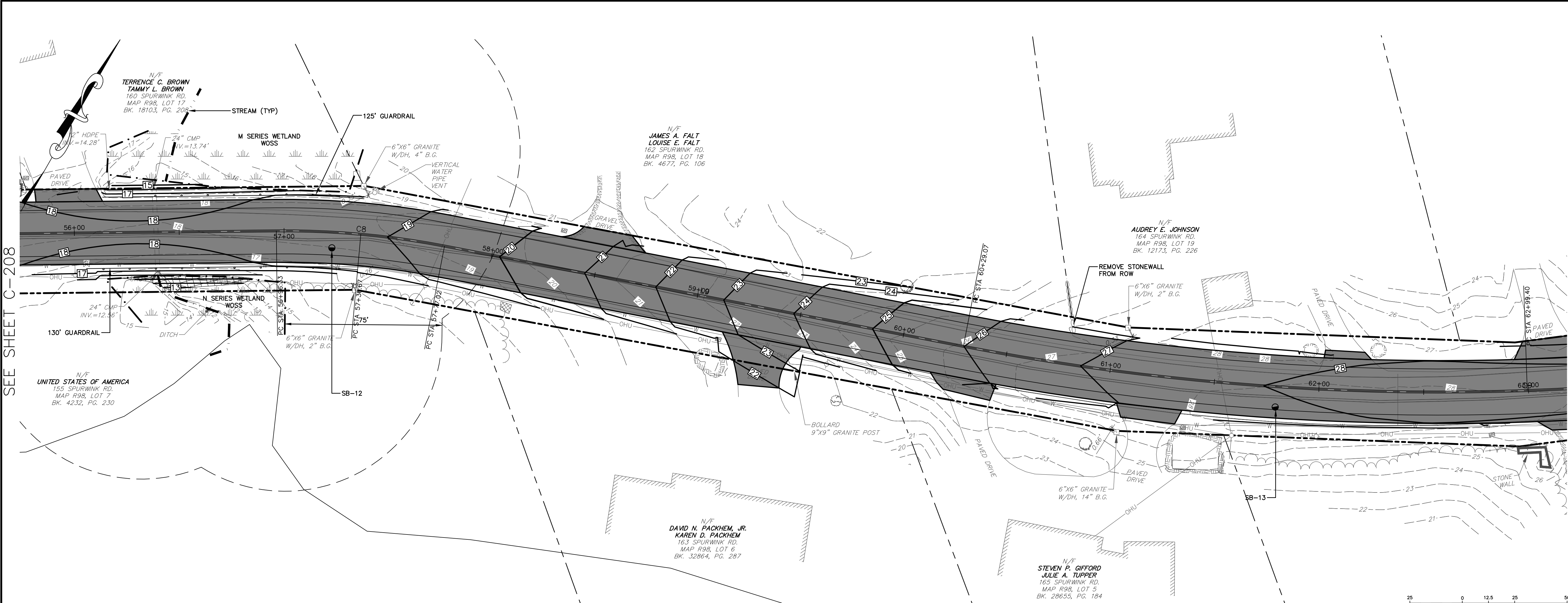
SEE SHEET C-209



M:\Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004 GRA09.dwg 2/4/2022 1:45:35 PM

50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

M:_Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004_GRA09.dwg 2/4/2022 1:43:48 PM



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 56+00 TO
STA 63+00

SHEET NO:

C-209

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

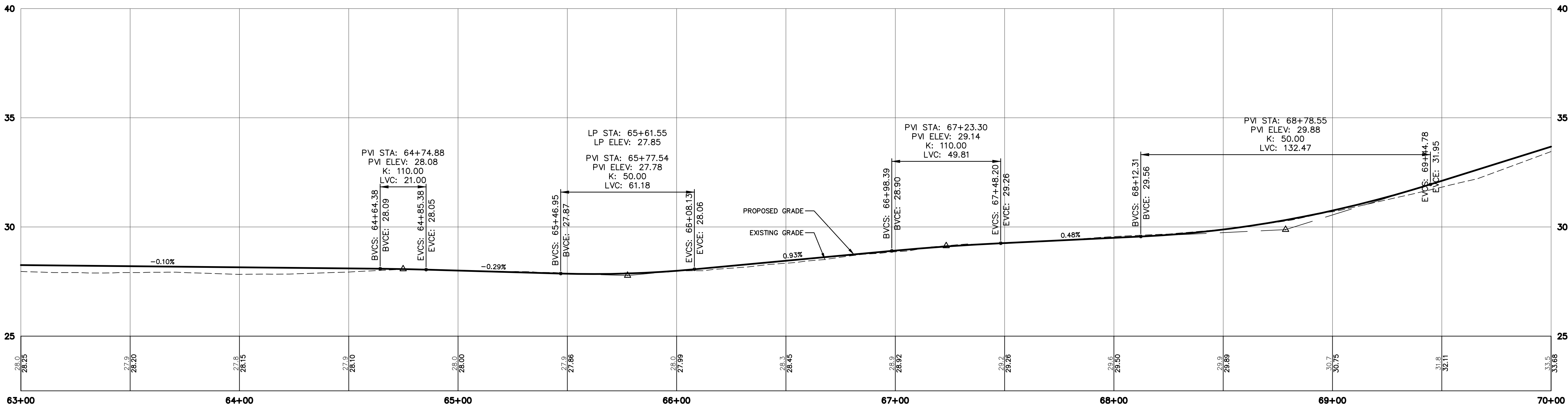
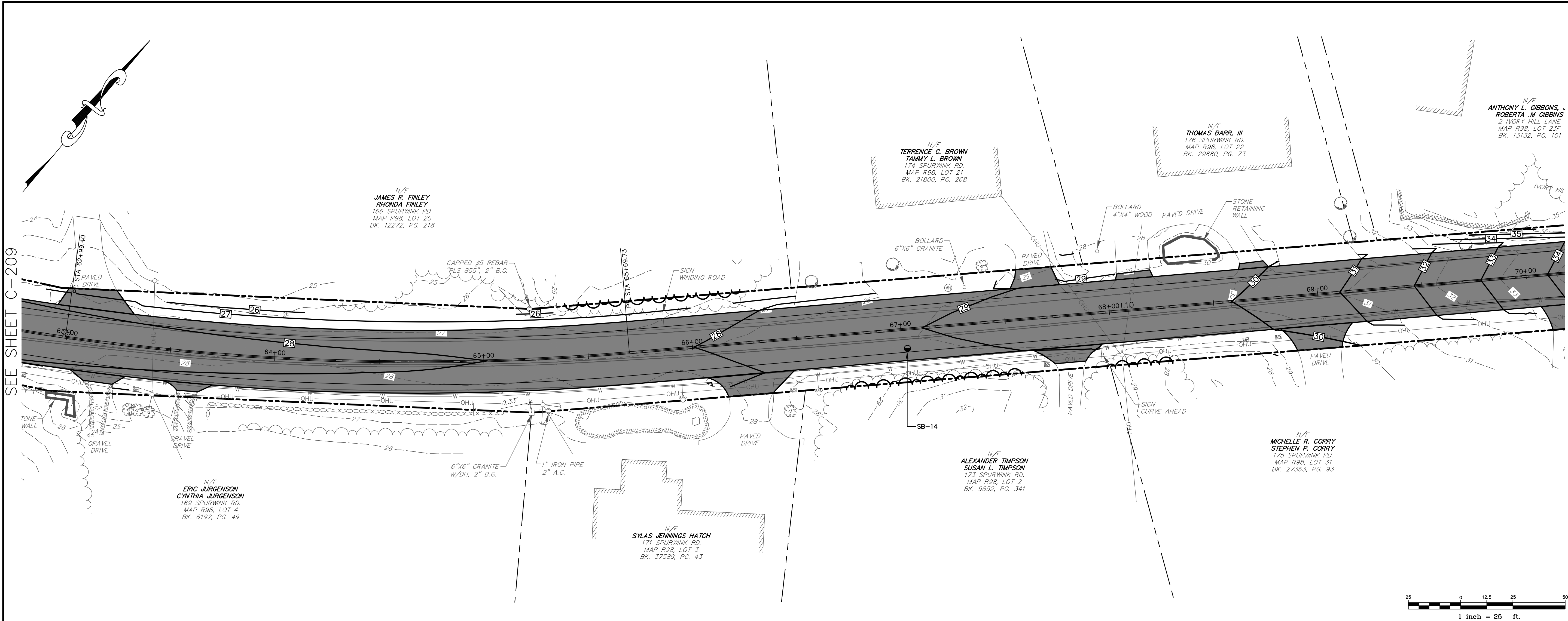
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 63+00 TO
STA 70+00

SHEET NO:

C-210



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

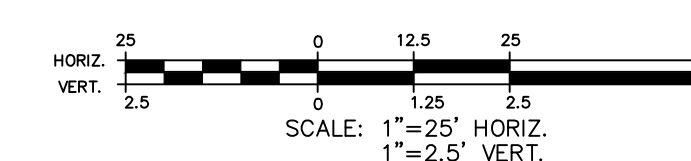
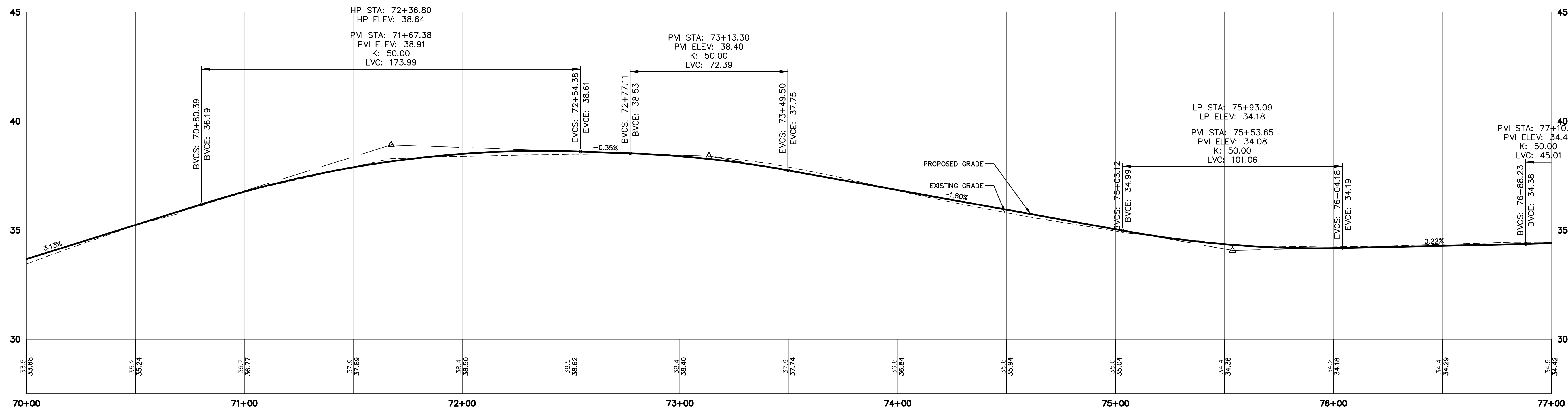
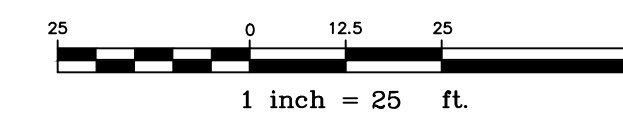
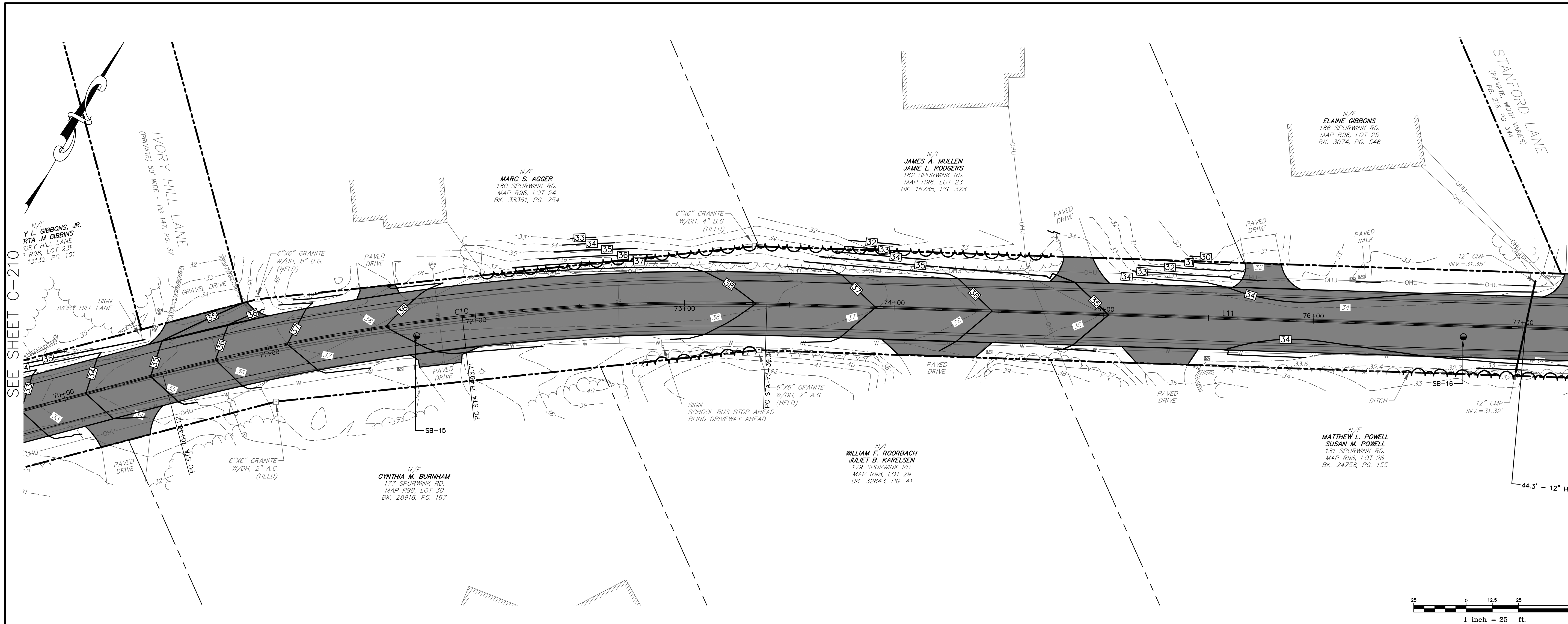
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 70+00 TO
STA 77+00

SHEET NO:

C-211



50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

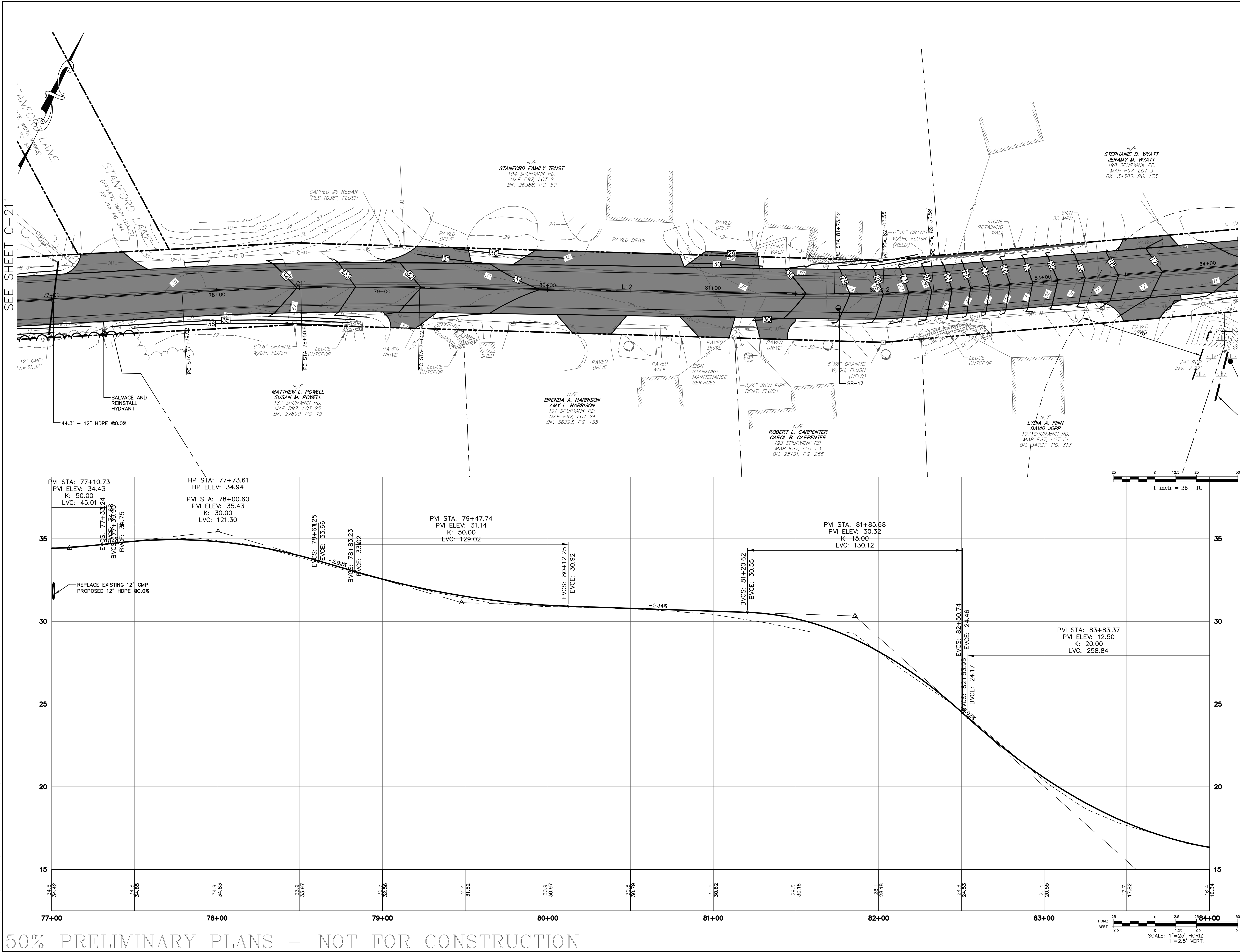
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 77+00 TO
STA 84+00

SHEET NO:

C-212



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

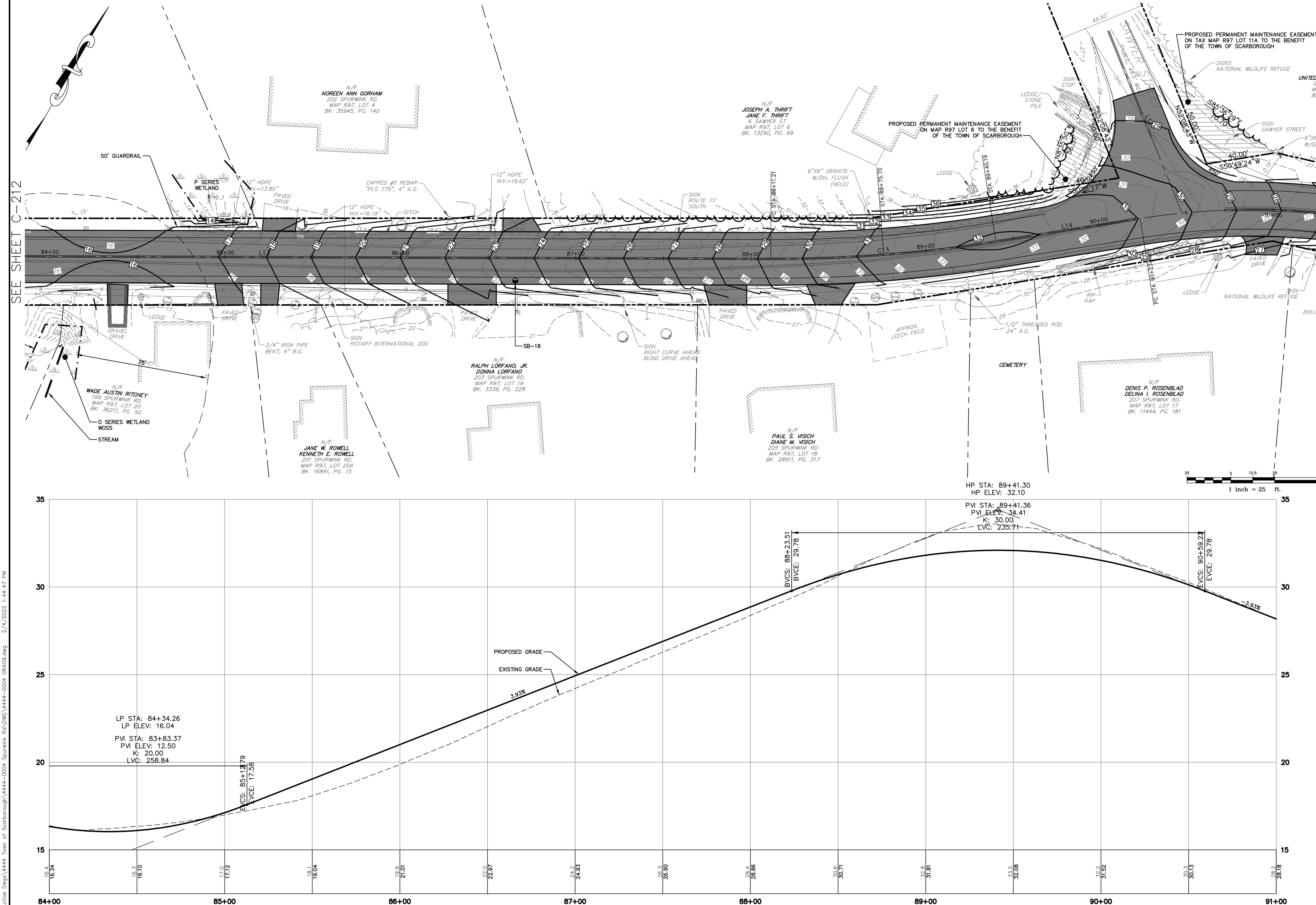
SPURWINK ROAD
PLAN & PROFILE
STA 84+00 TO
STA 91+00

SHEET NO:

C-213

SEE SHEET C-212

SEE SHEET C-214



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

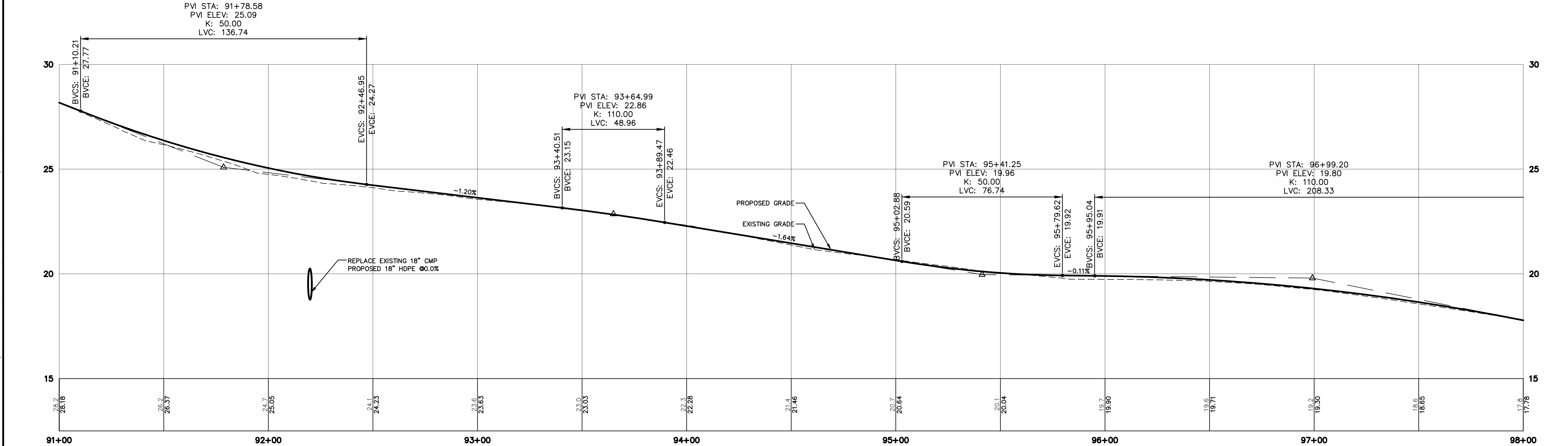
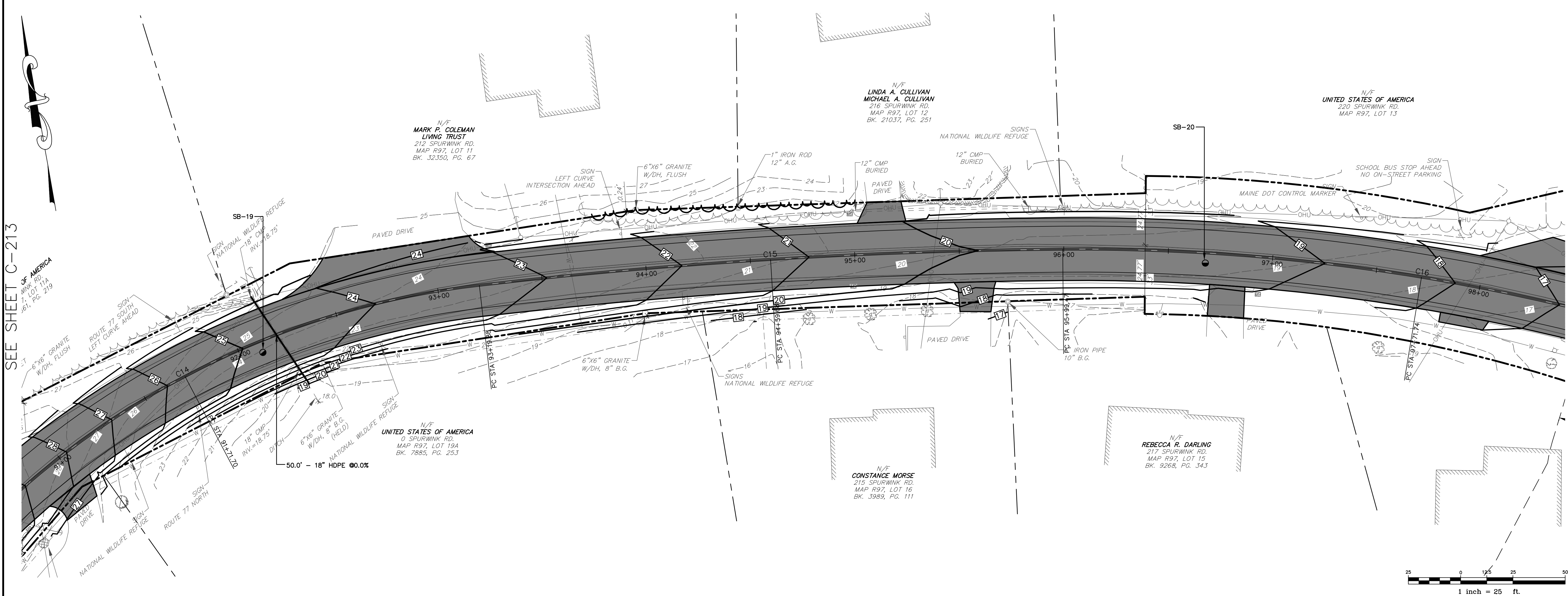
SPURWINK ROAD
PLAN & PROFILE
STA 91+00 TO
STA 98+00

SHEET NO:

C-214

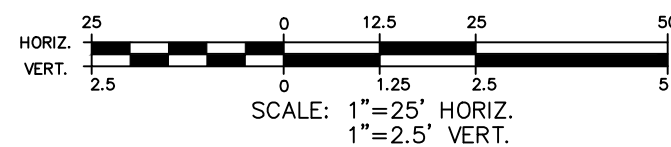
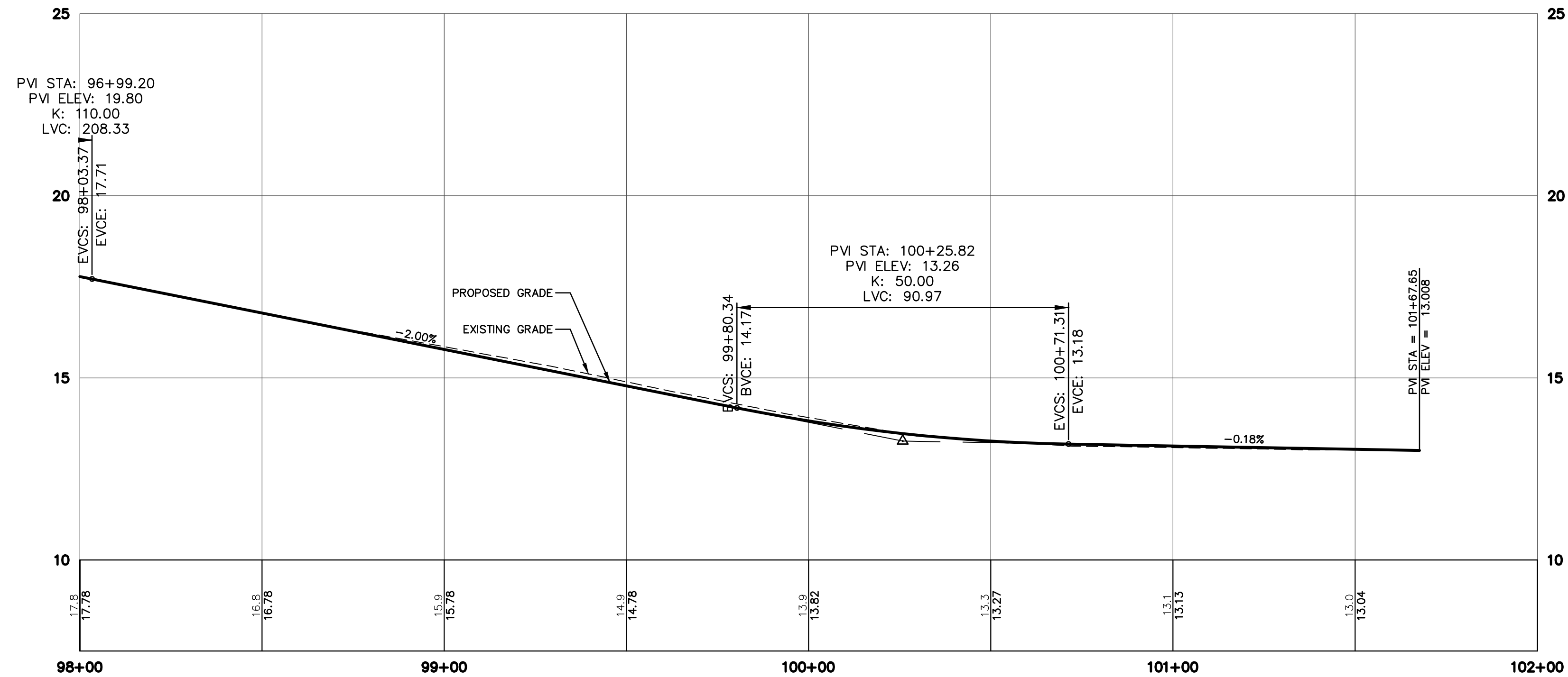
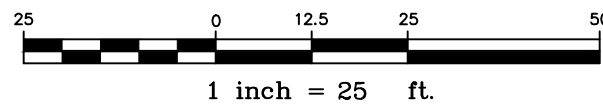
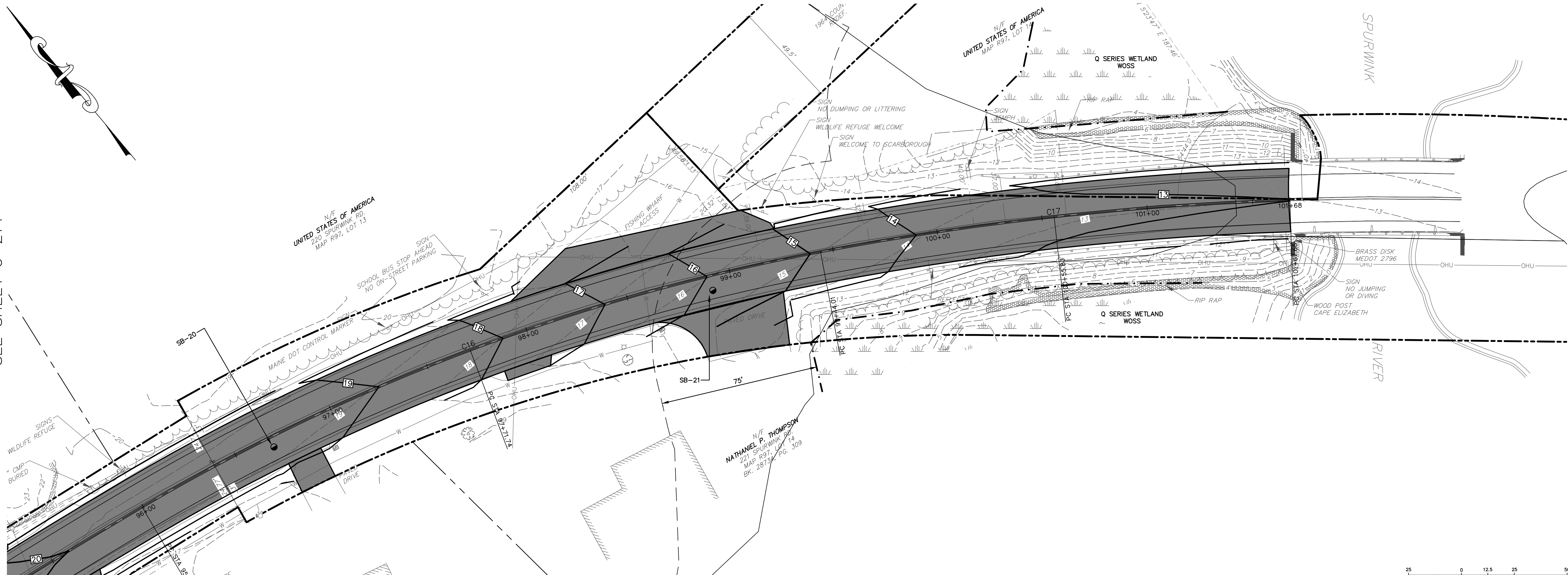
SEE SHEET C-213

SEE SHEET C-215



M:_Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004_GRA09.dwg 2/4/2022 1:45:17 PM

SEE SHEET C-214



50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
PLAN & PROFILE
STA 98+00 TO
STA 102+00

SHEET NO:

C-215

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

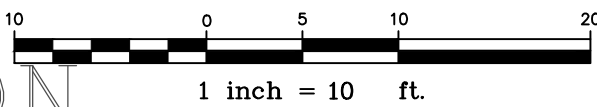
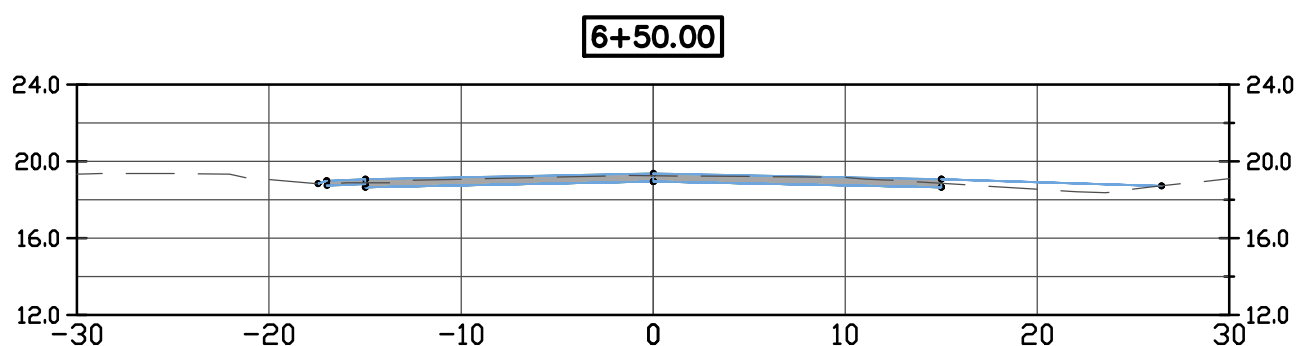
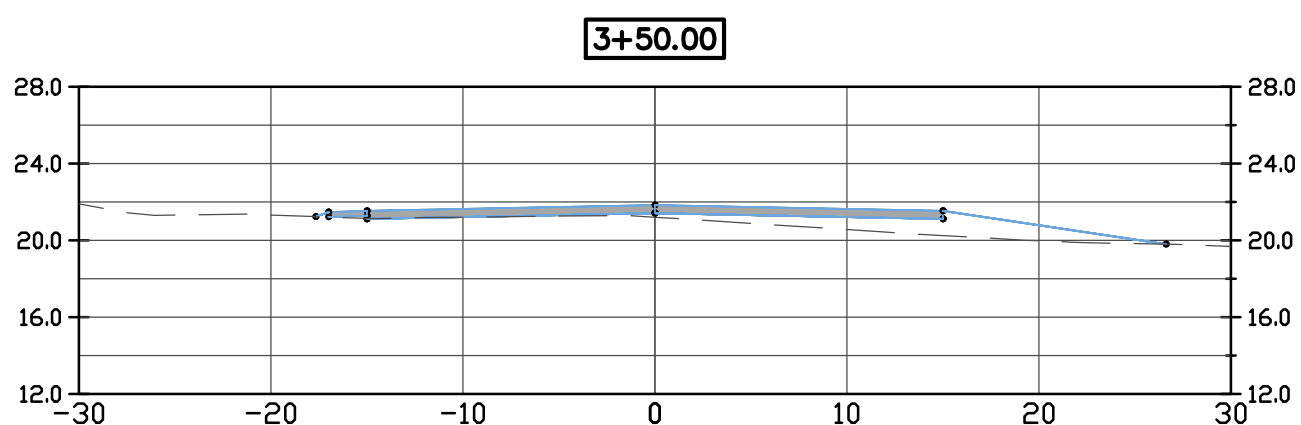
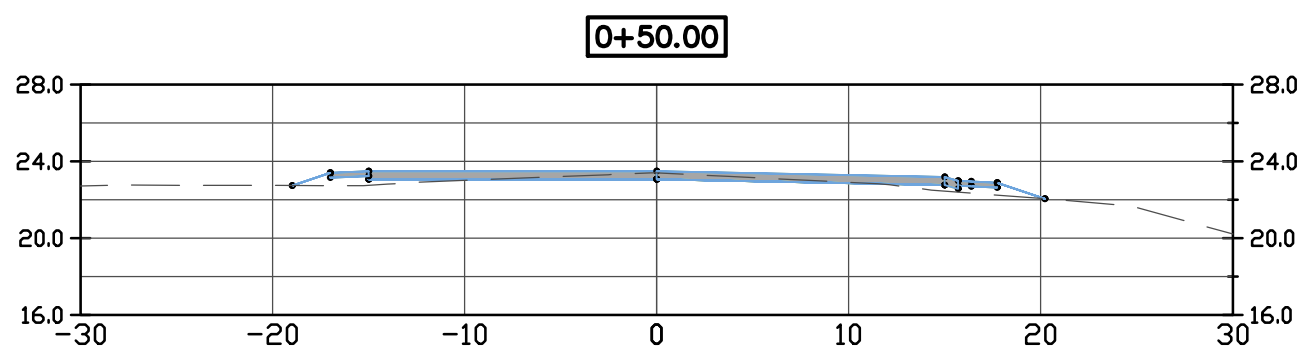
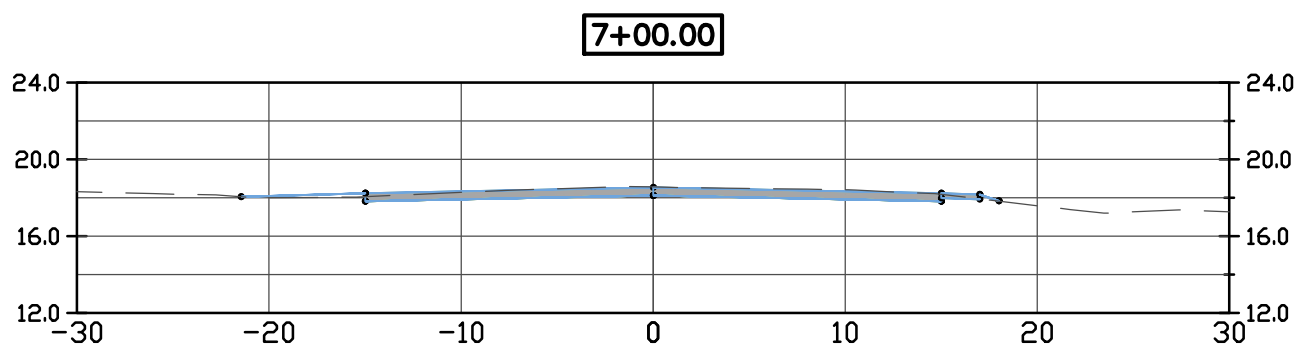
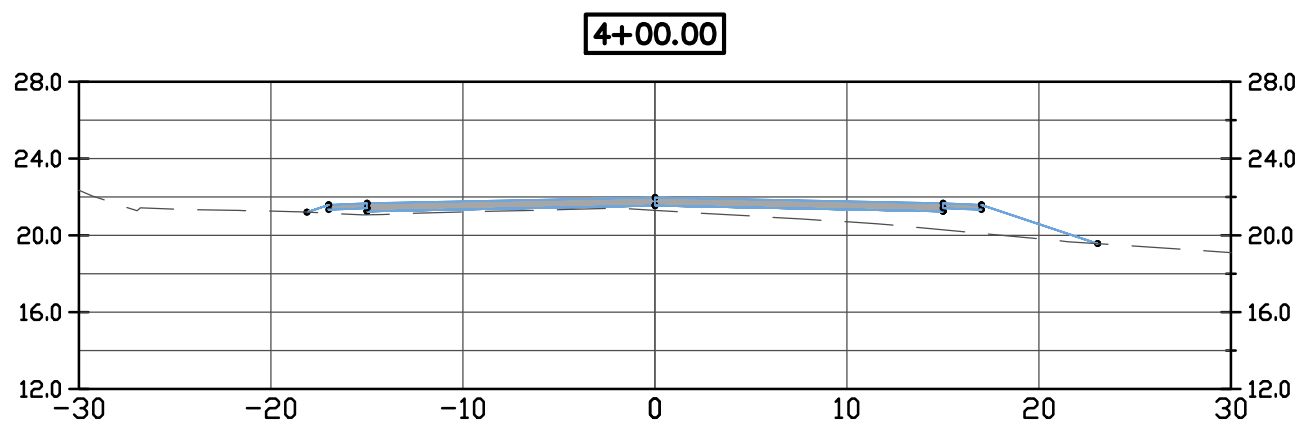
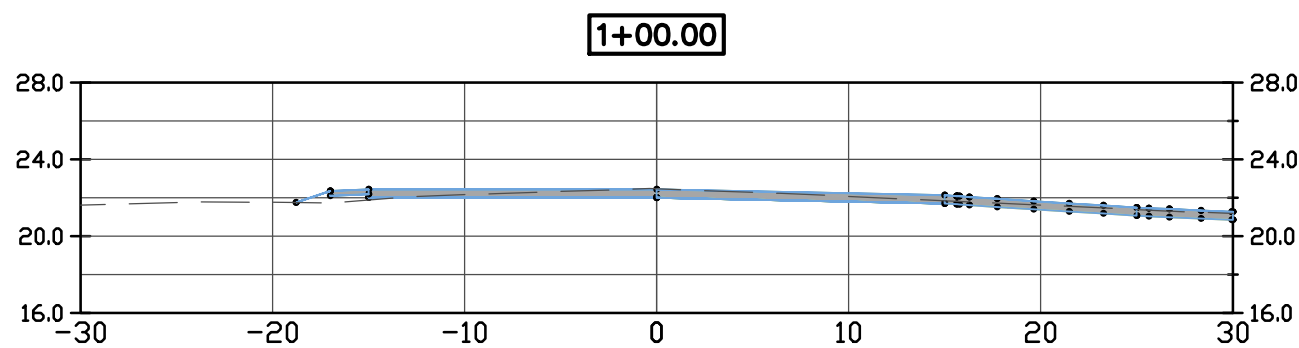
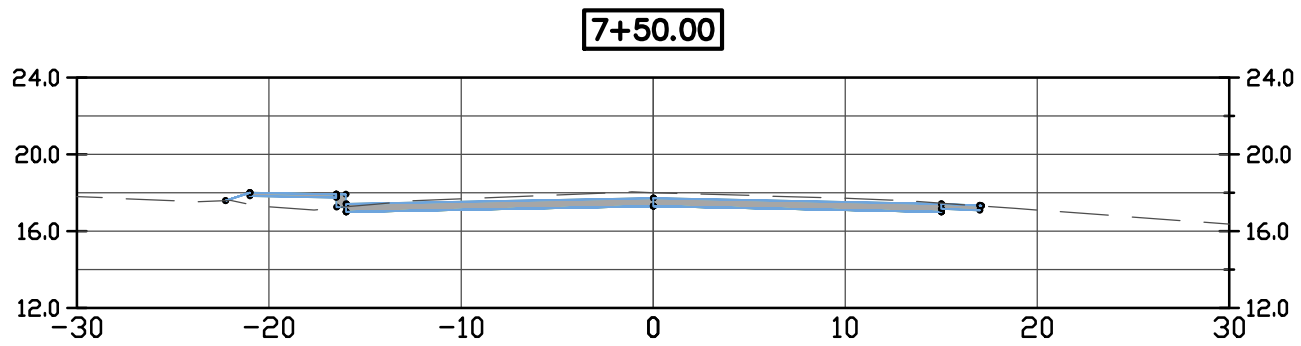
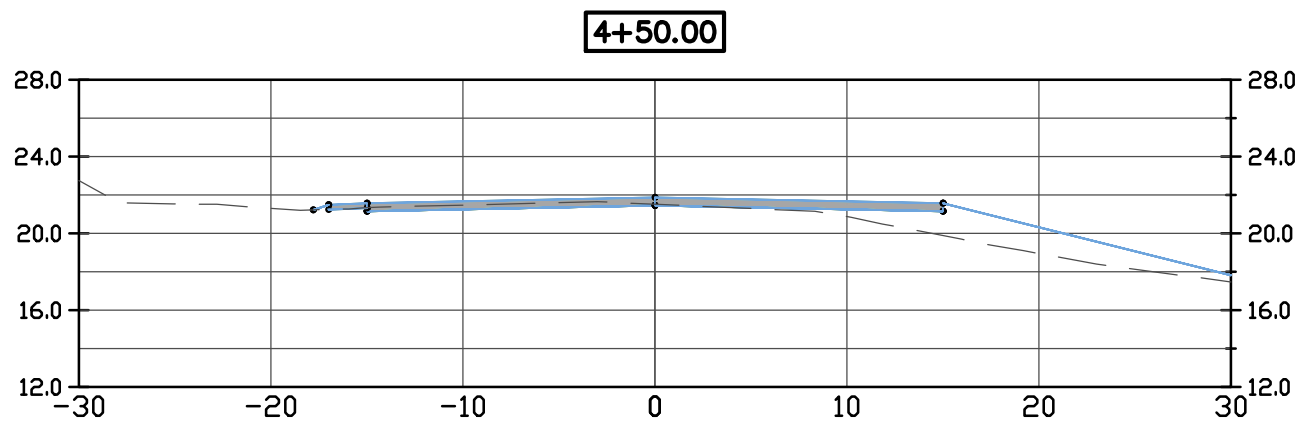
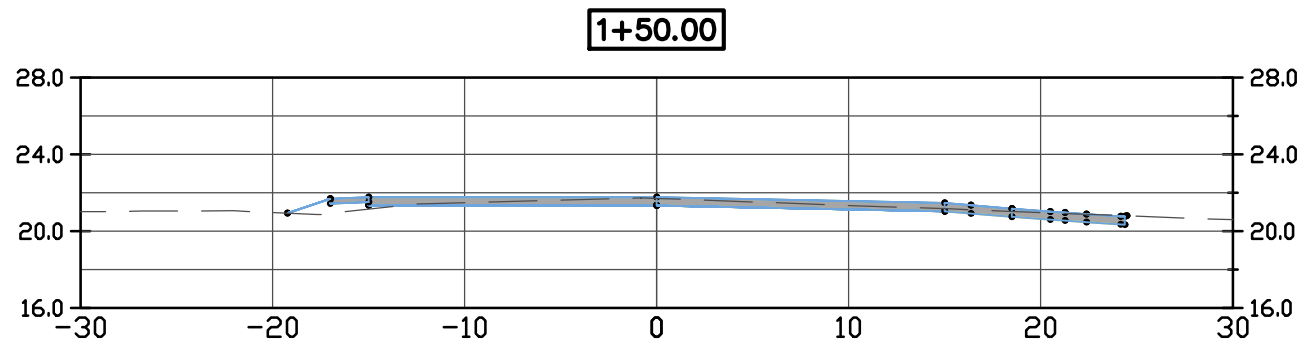
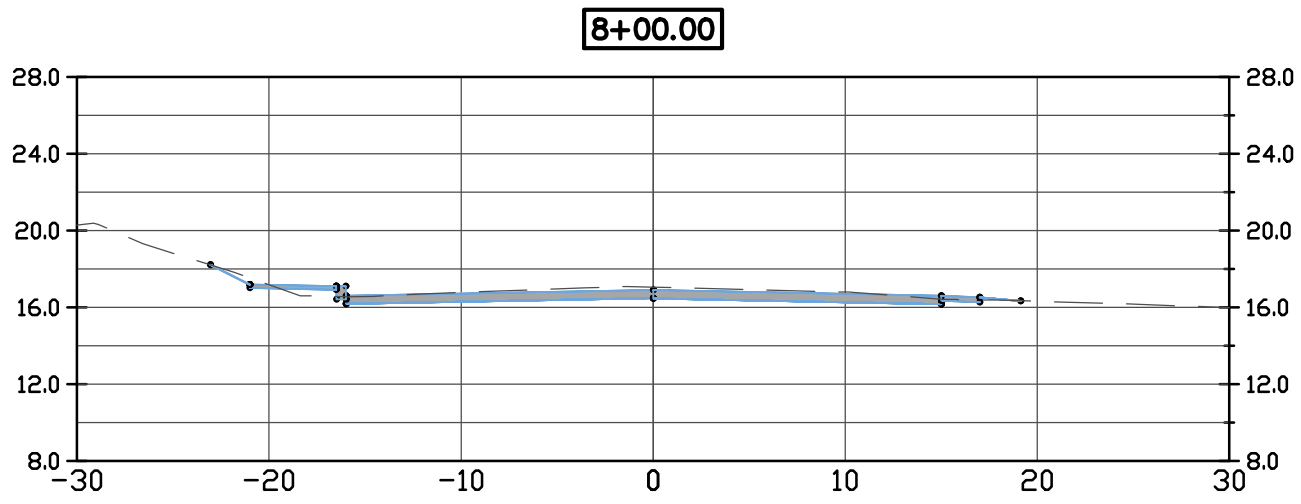
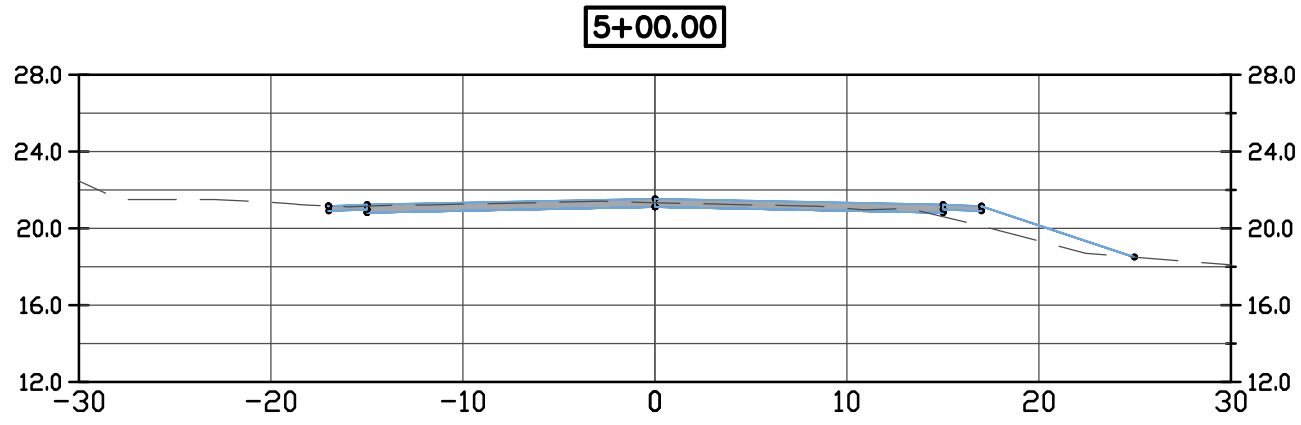
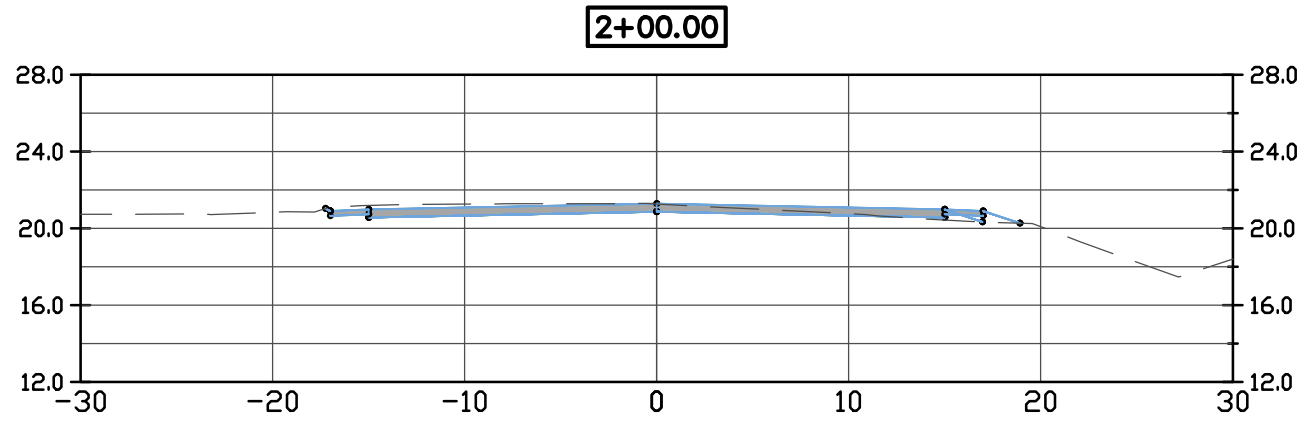
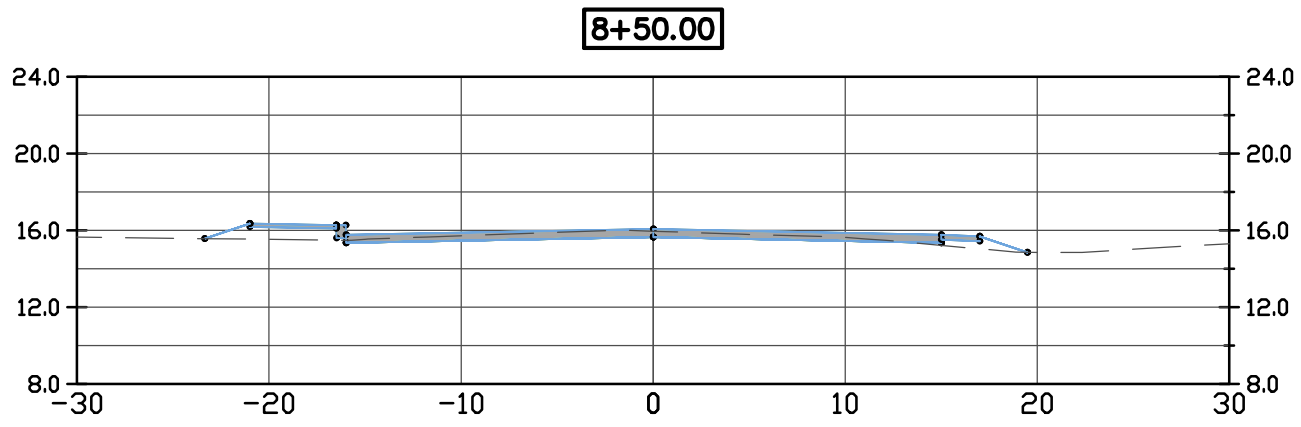
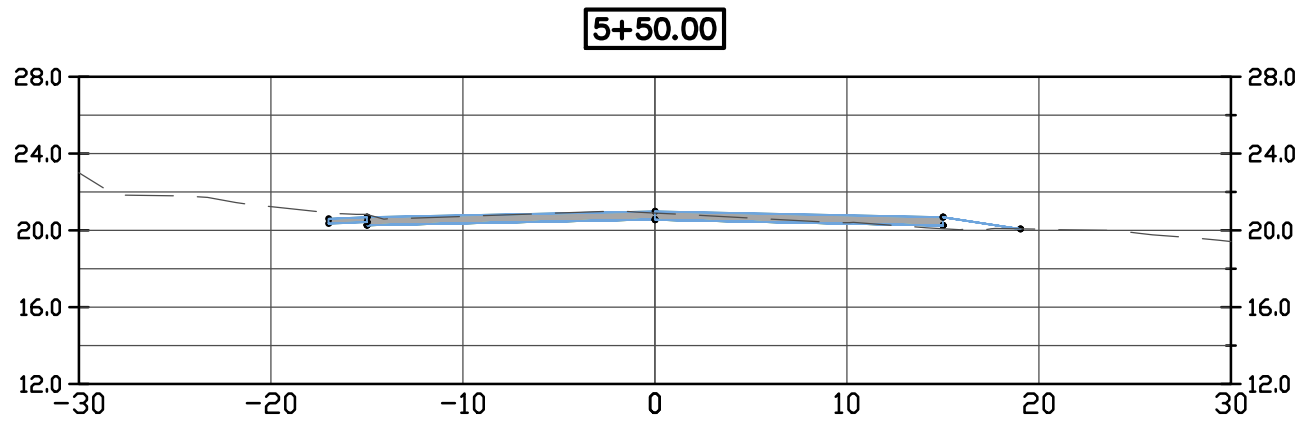
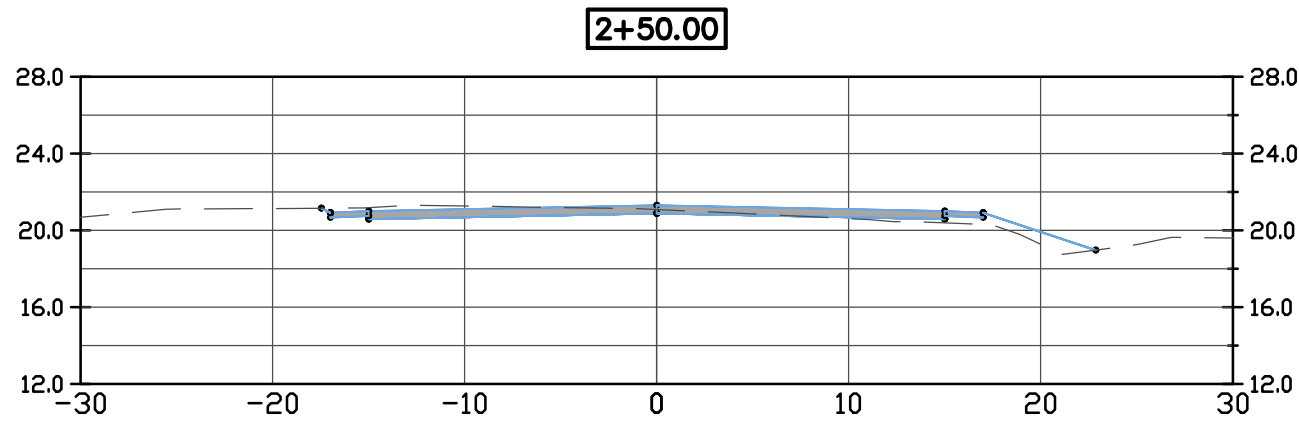
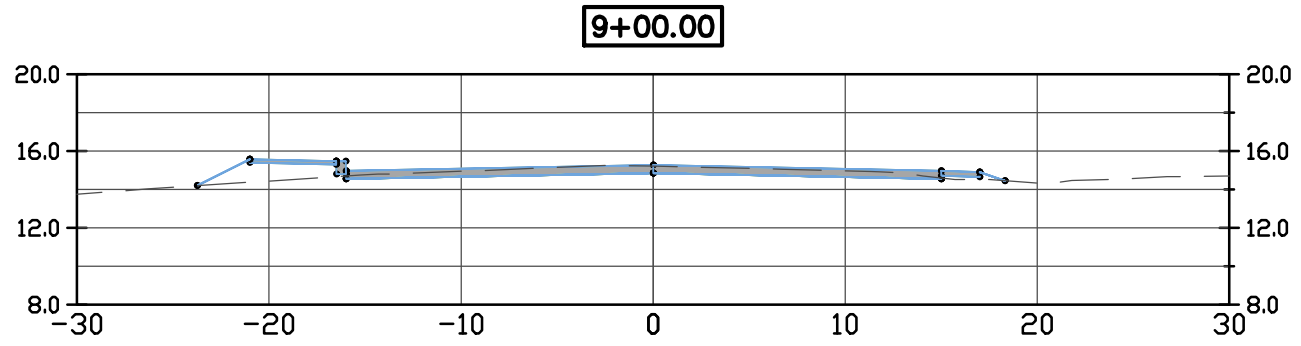
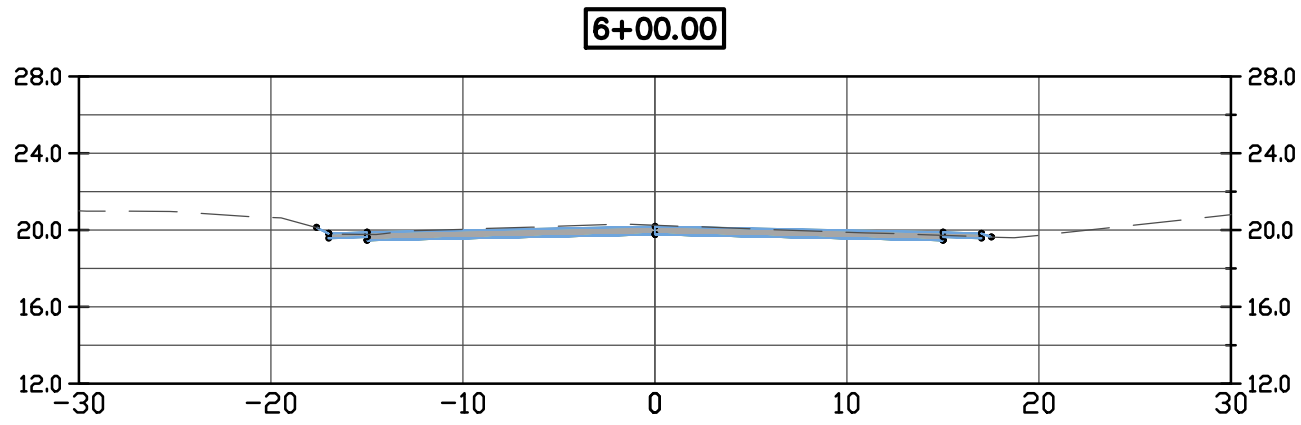
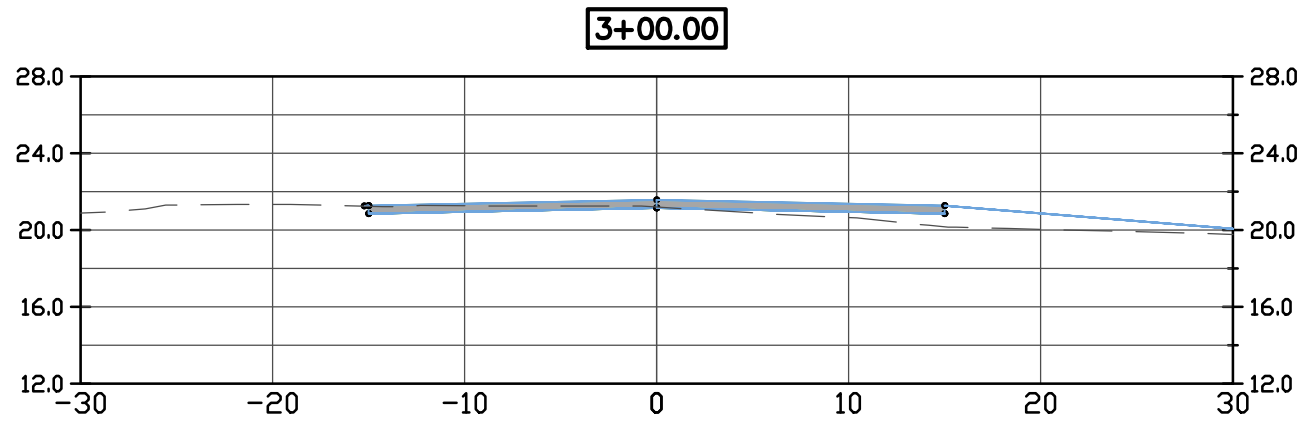
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 1

SHEET NO:

C-301



DRAFT

[illegible]

DESIGNED BY:	PMG
DRAWN BY:	PMG
CHECKED BY:	PJC
DATE:	2/4/2022
FILE NAME:	4444-0004 GRA09.dwg

PROJECT NAME: _____

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT: _____

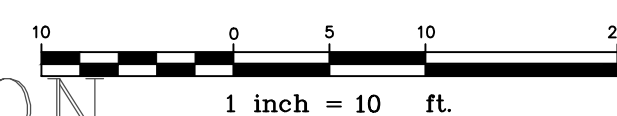
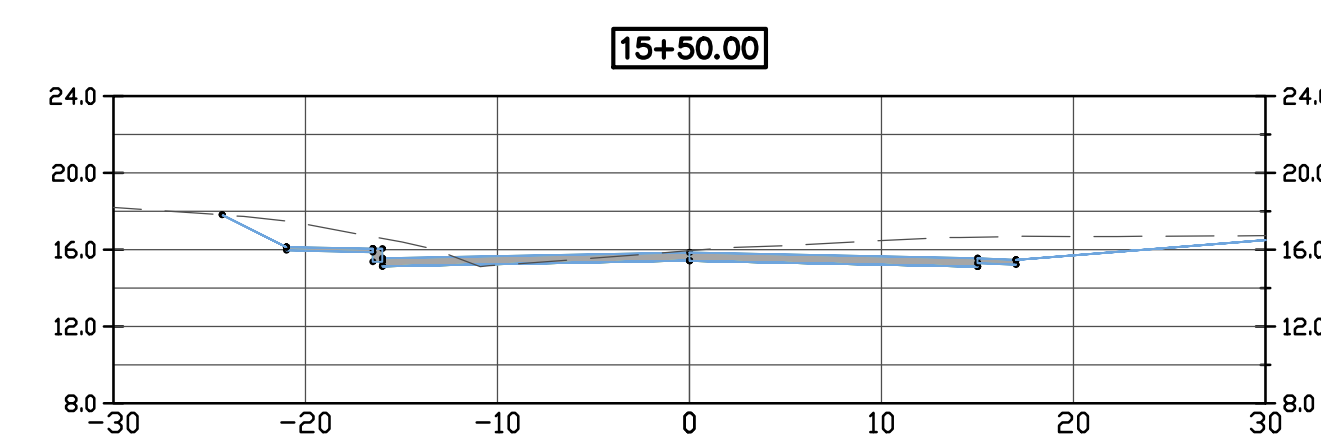
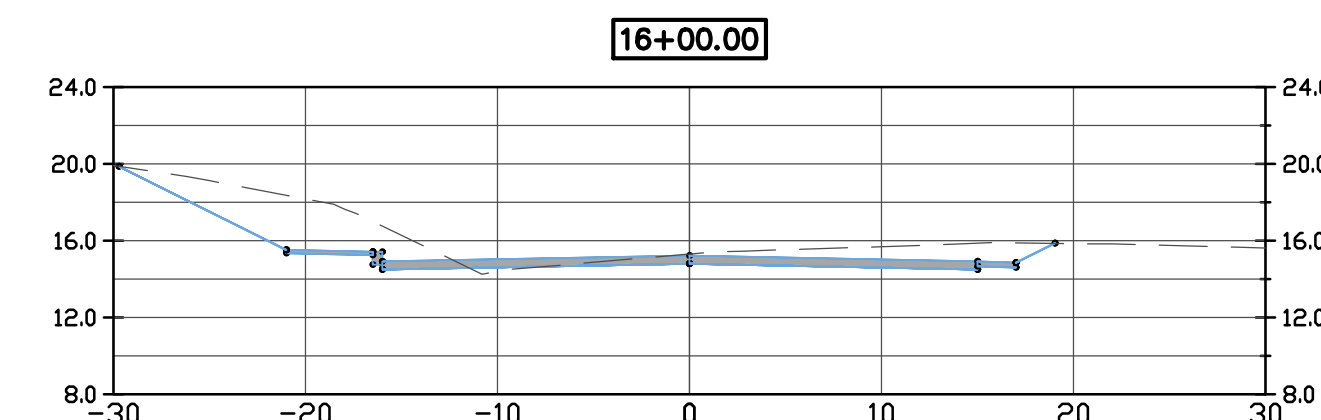
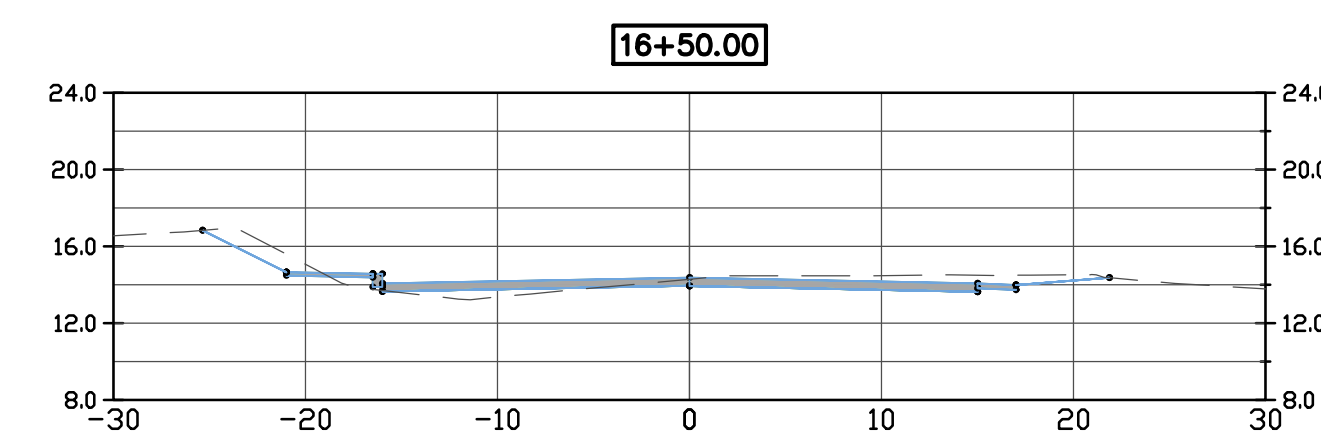
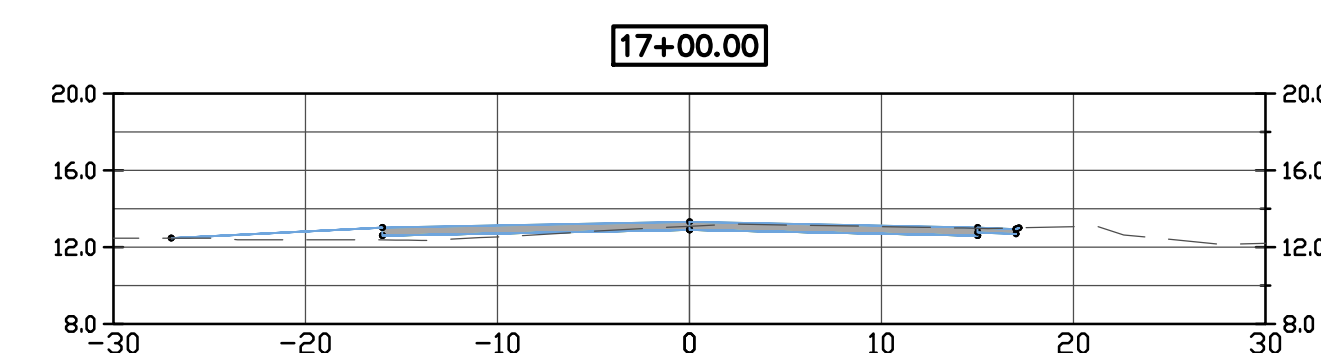
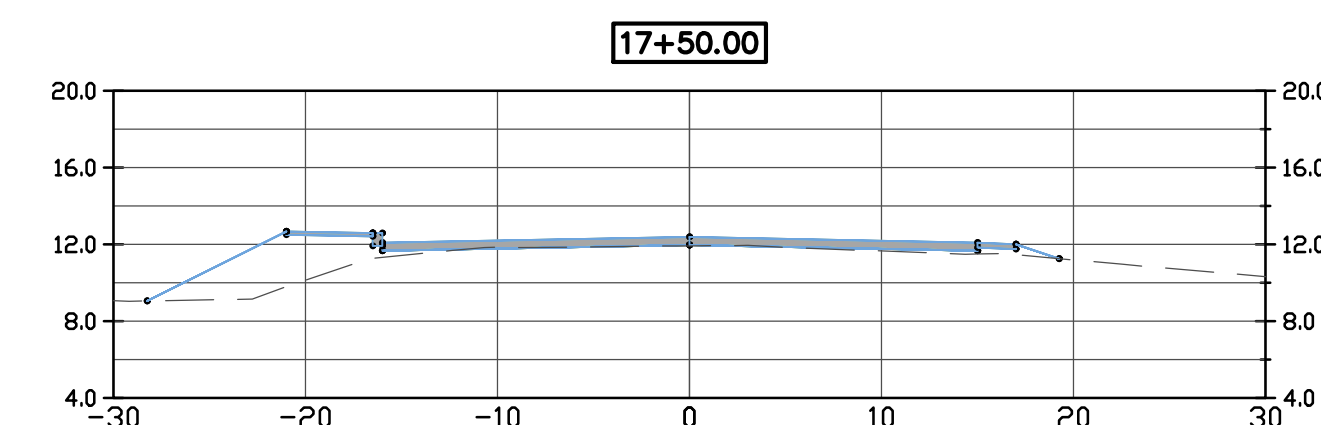
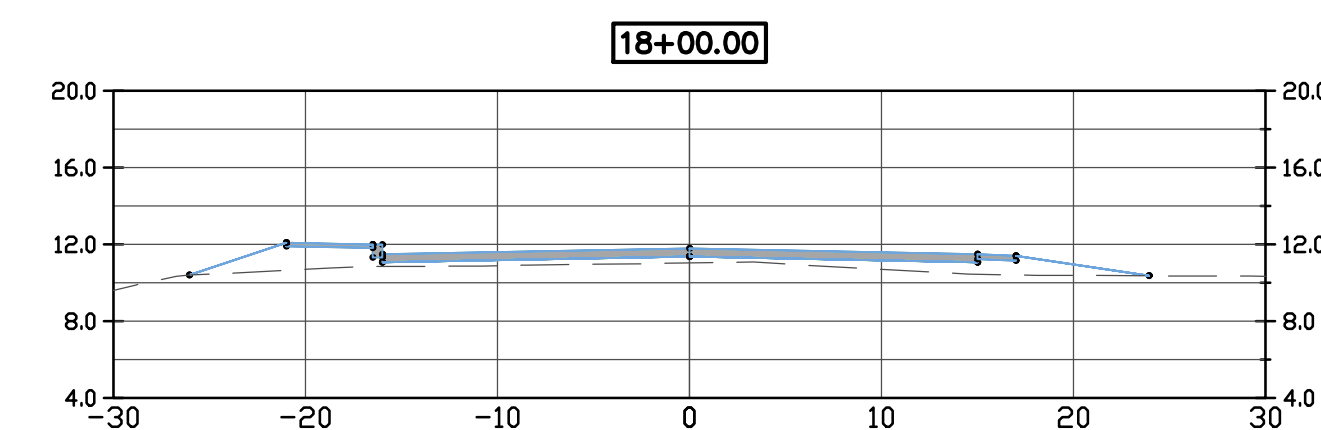
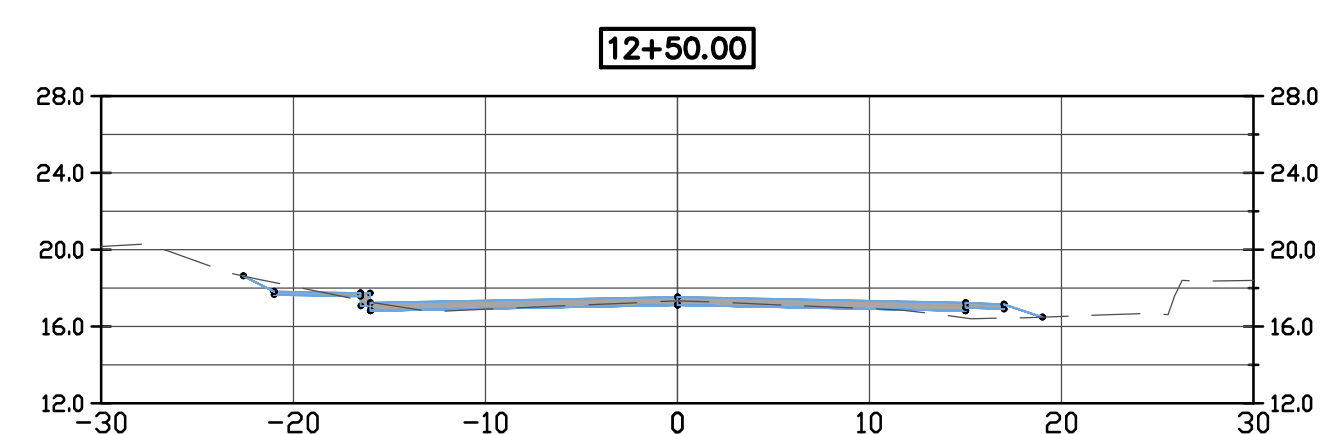
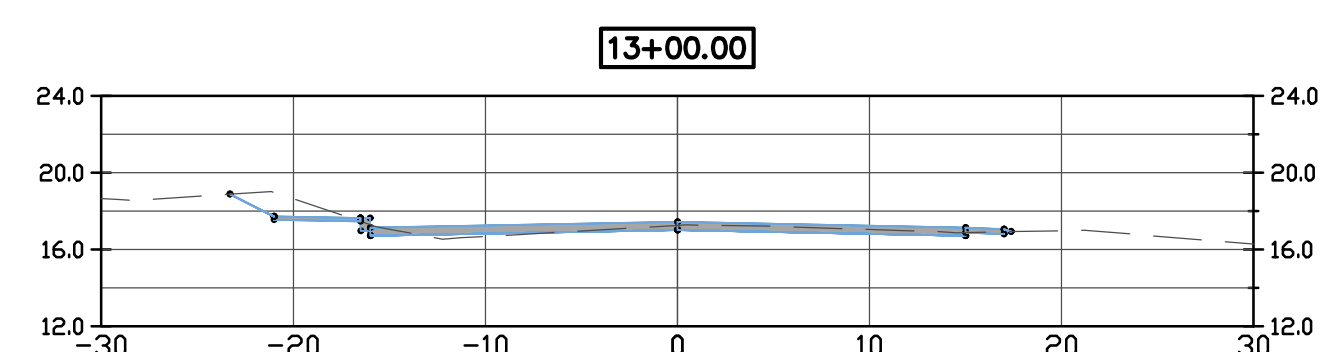
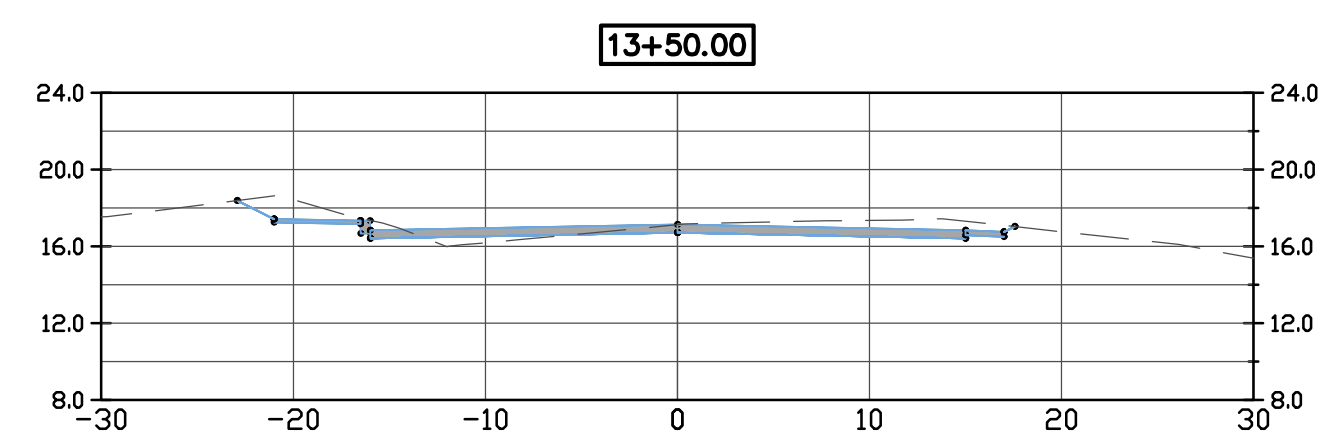
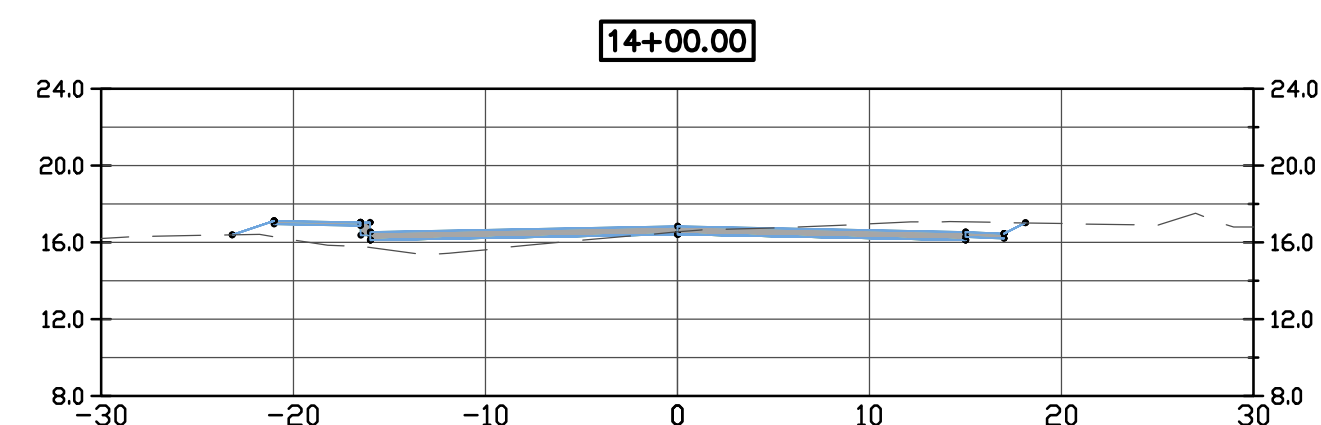
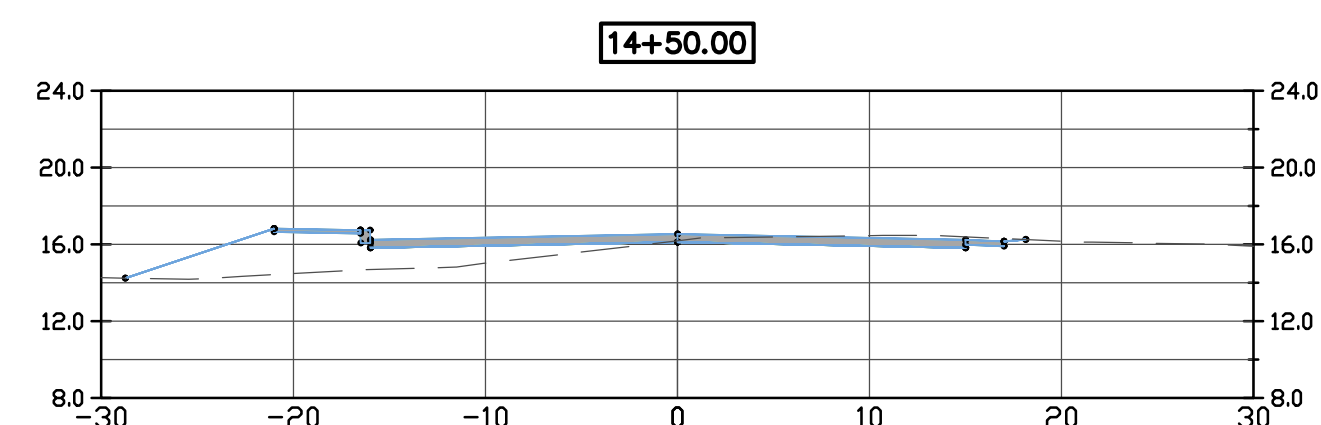
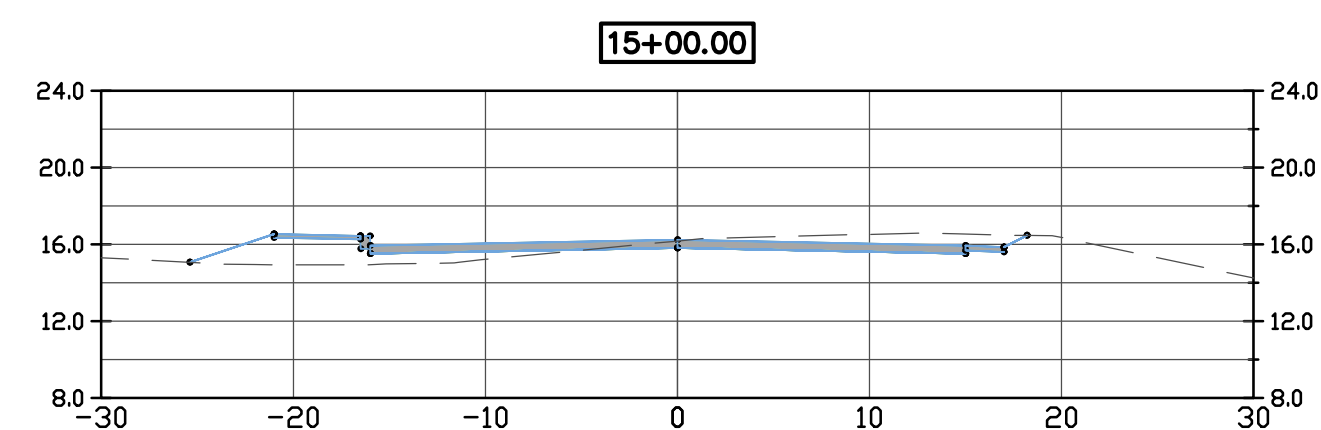
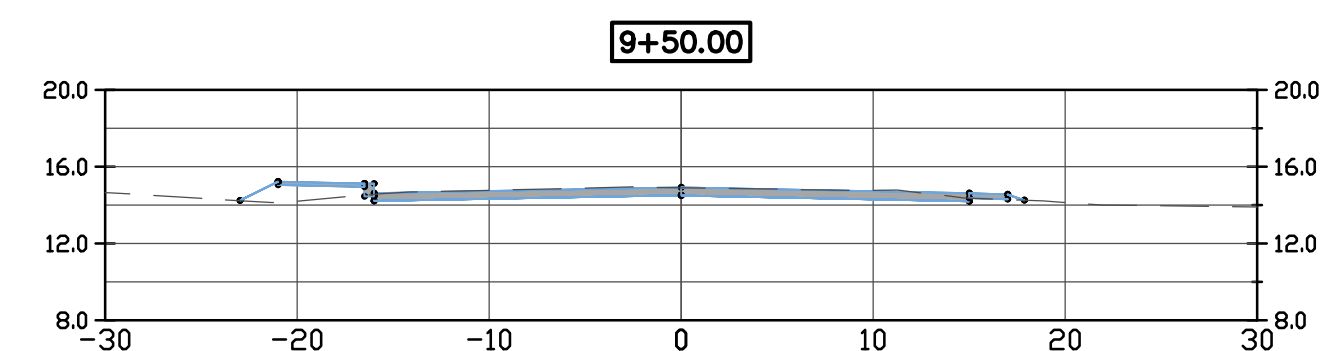
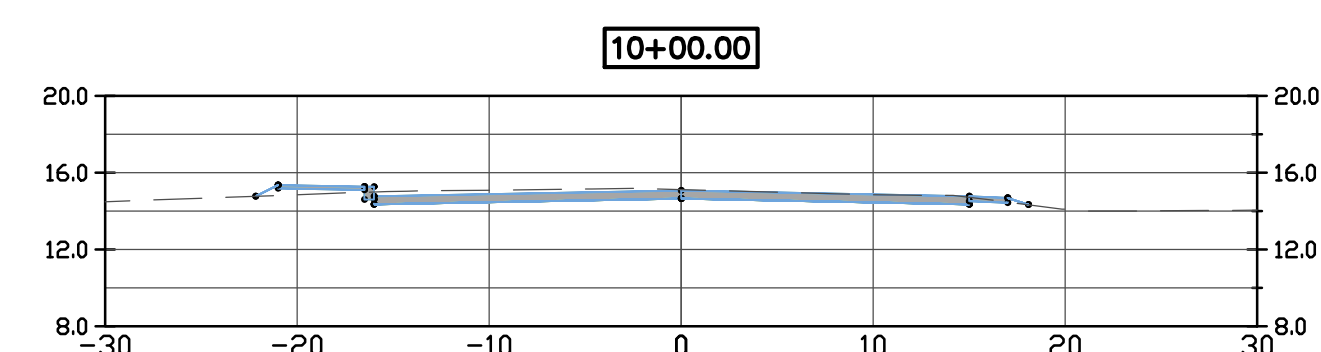
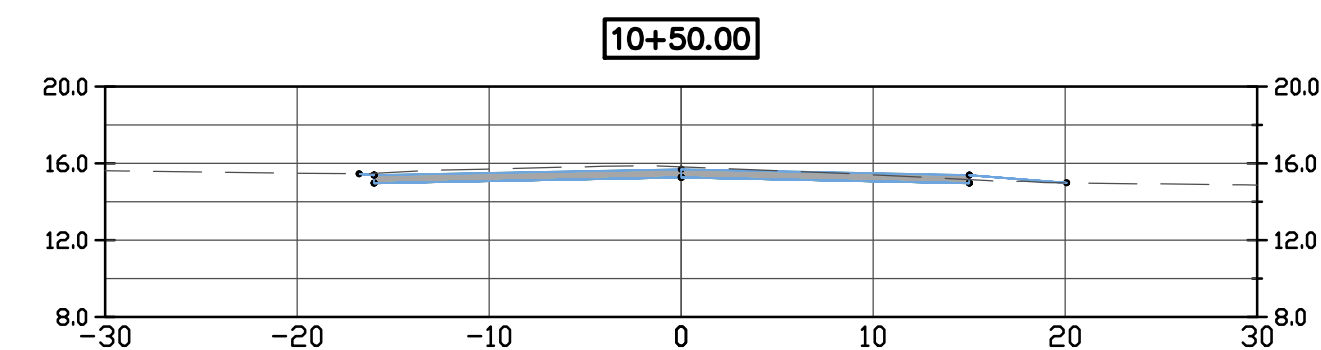
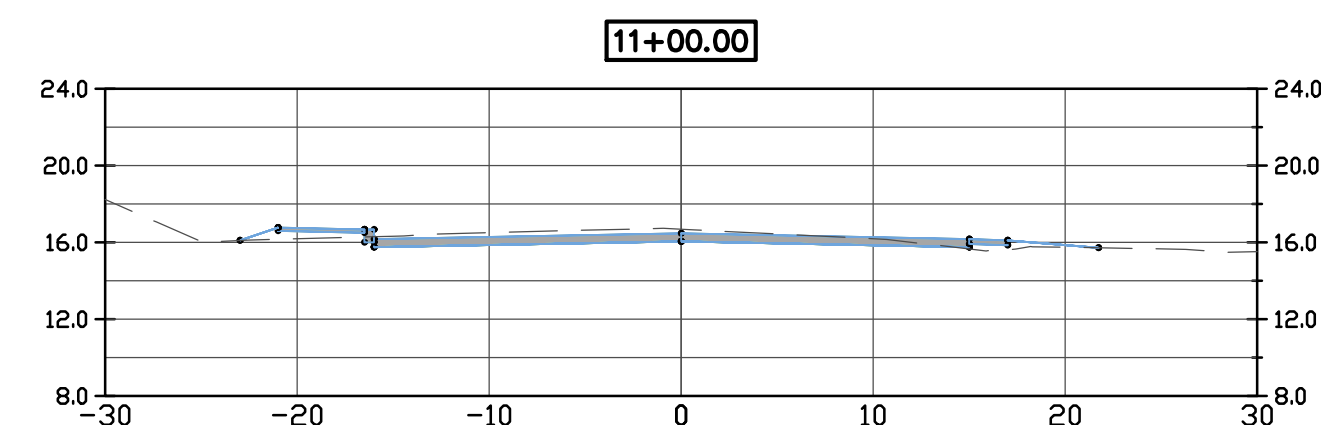
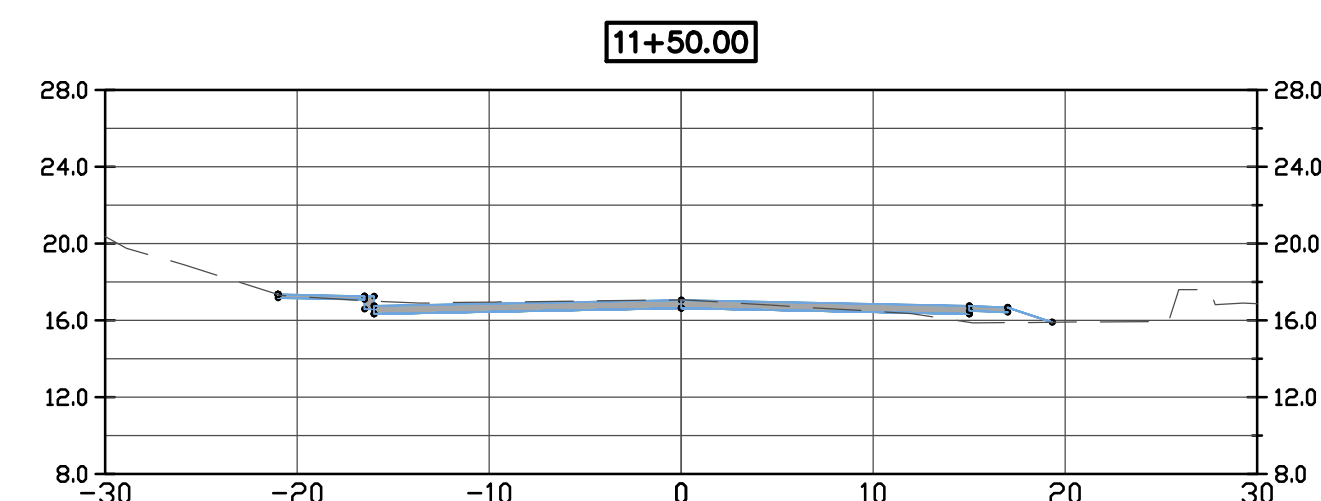
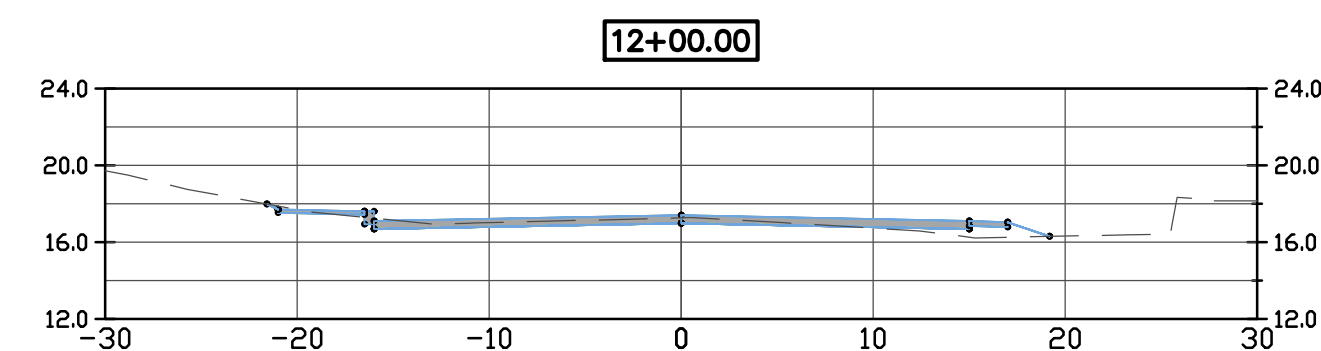
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE: _____

SPURWINK ROAD
CROSS
SECTIONS - 2

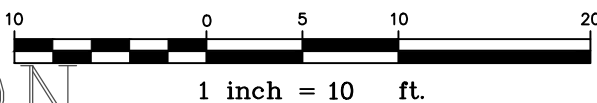
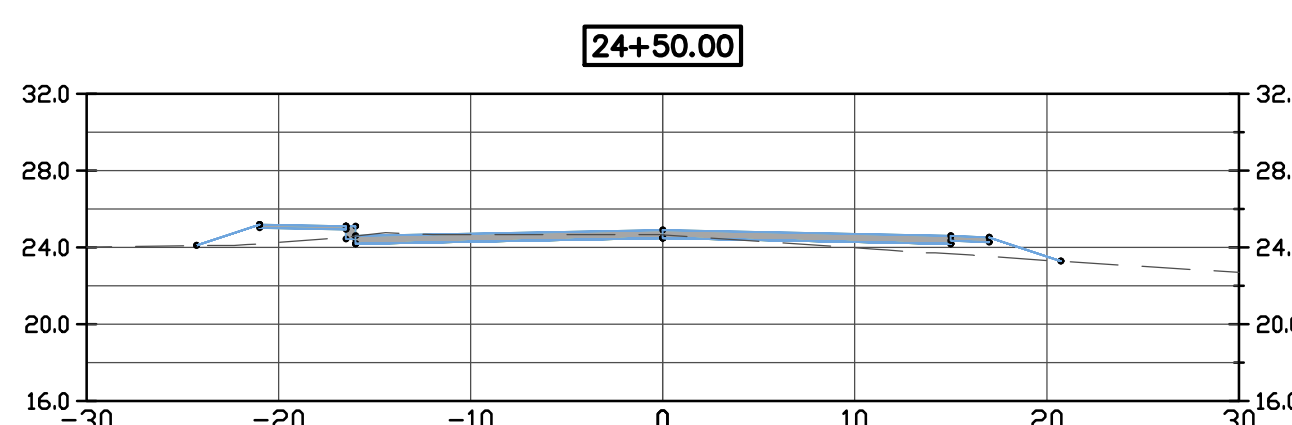
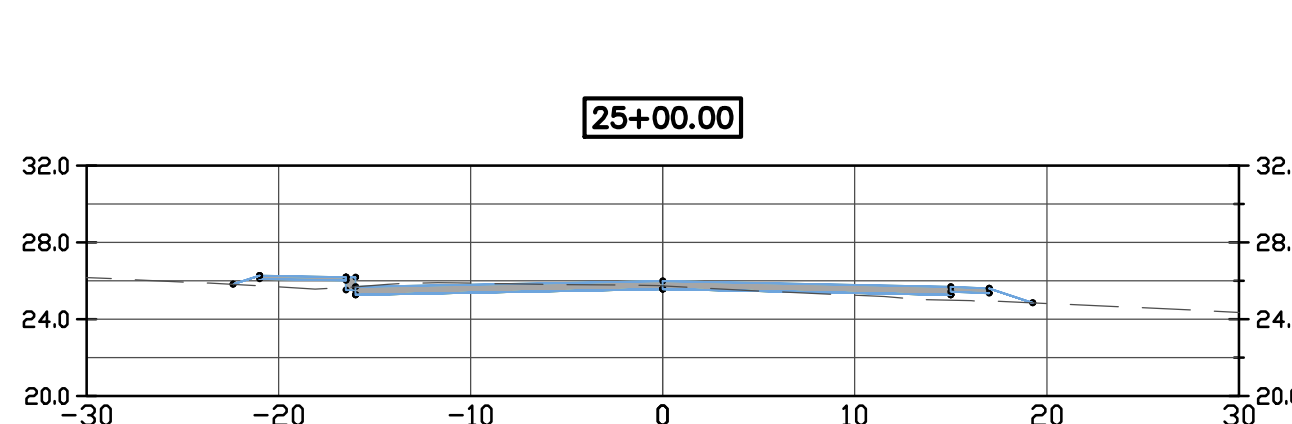
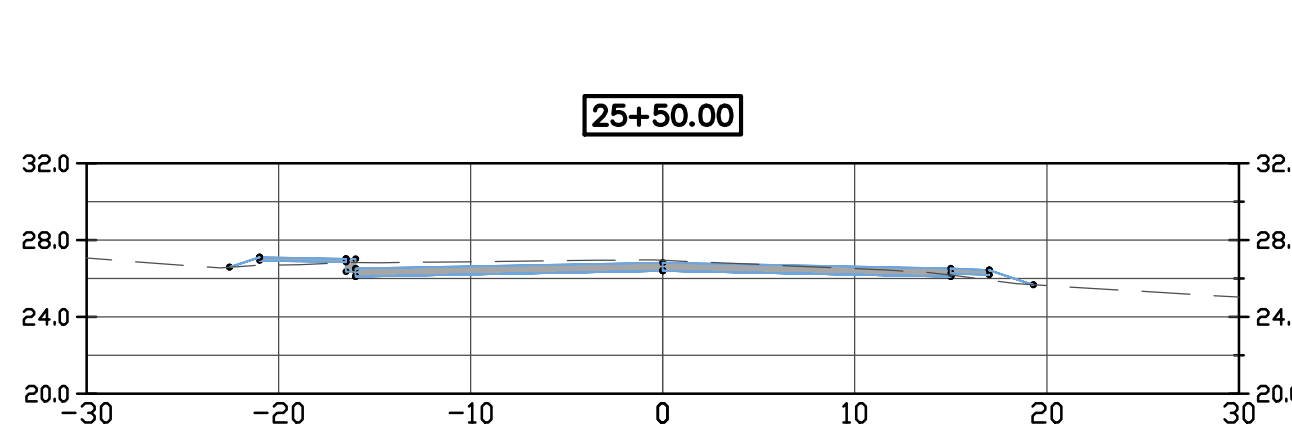
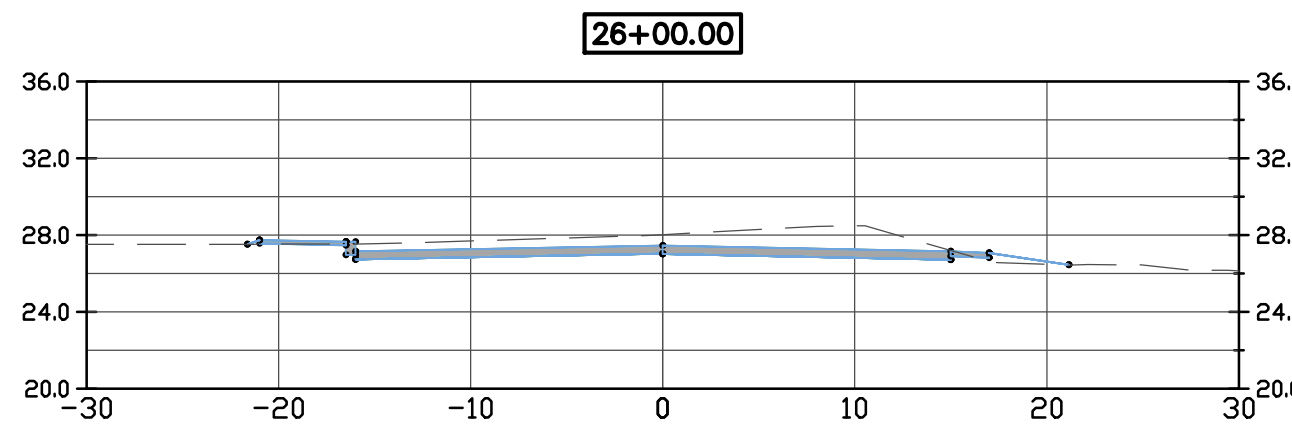
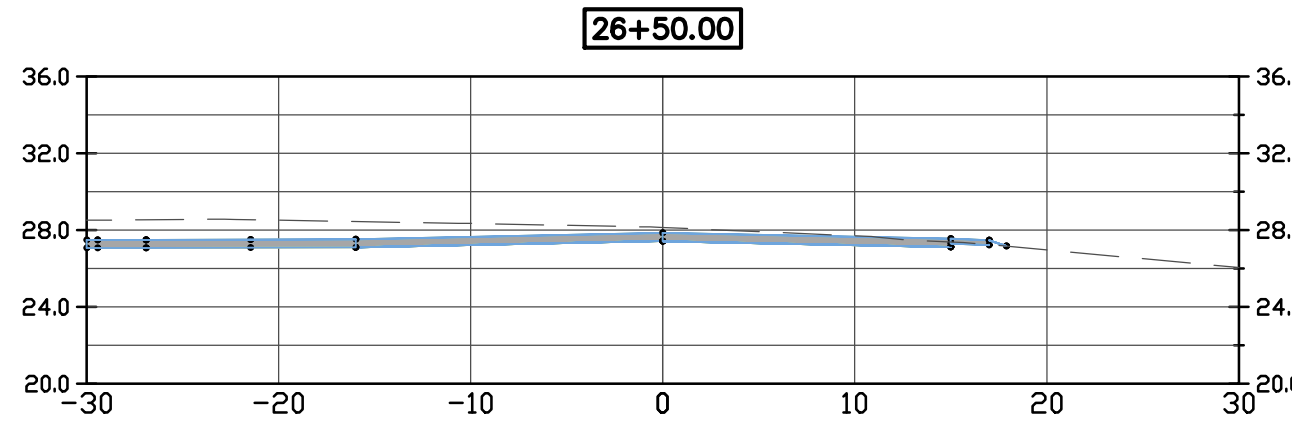
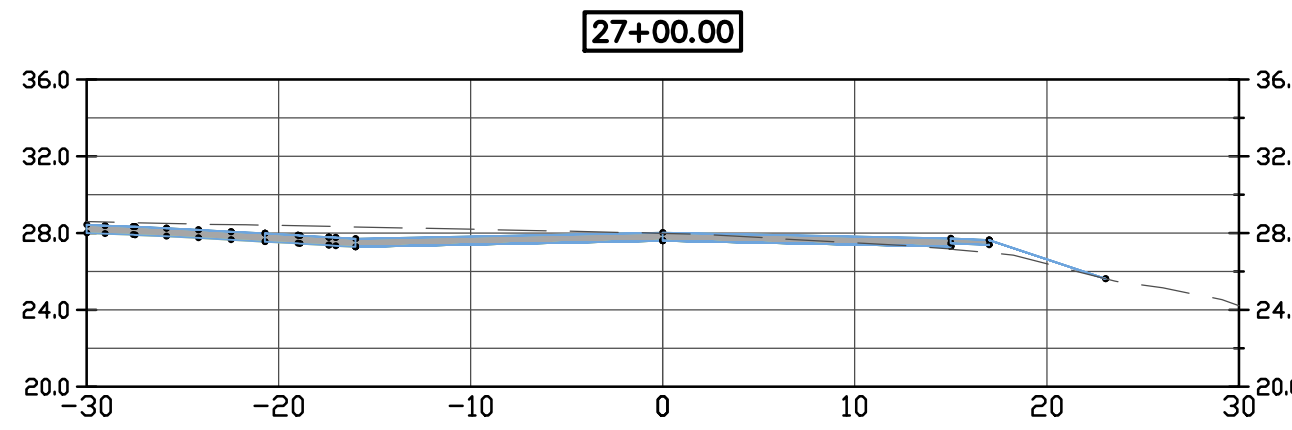
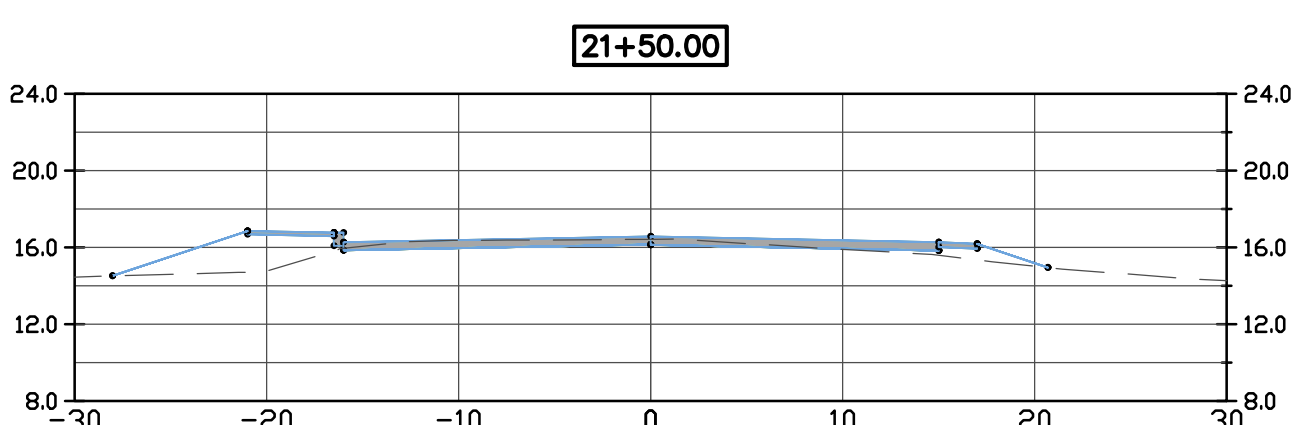
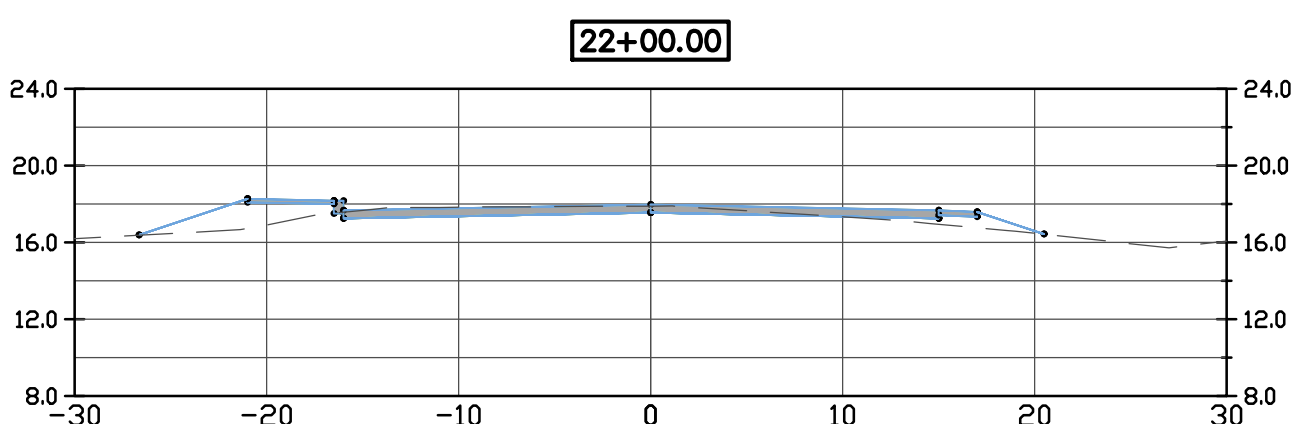
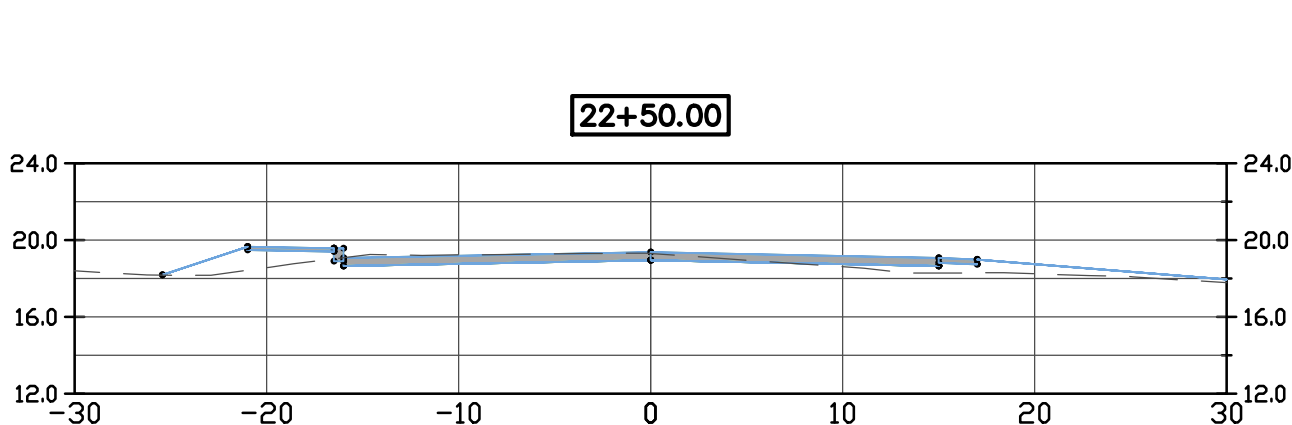
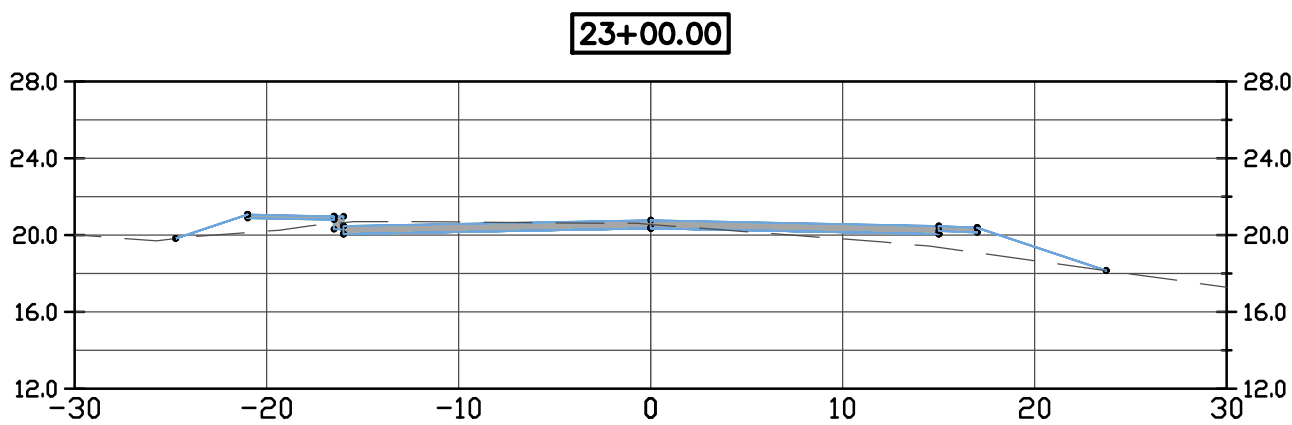
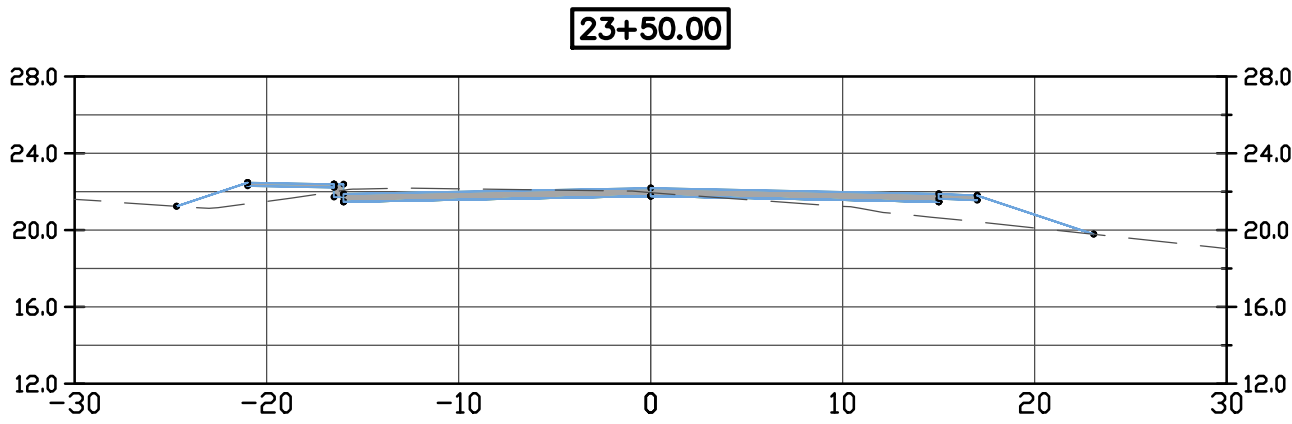
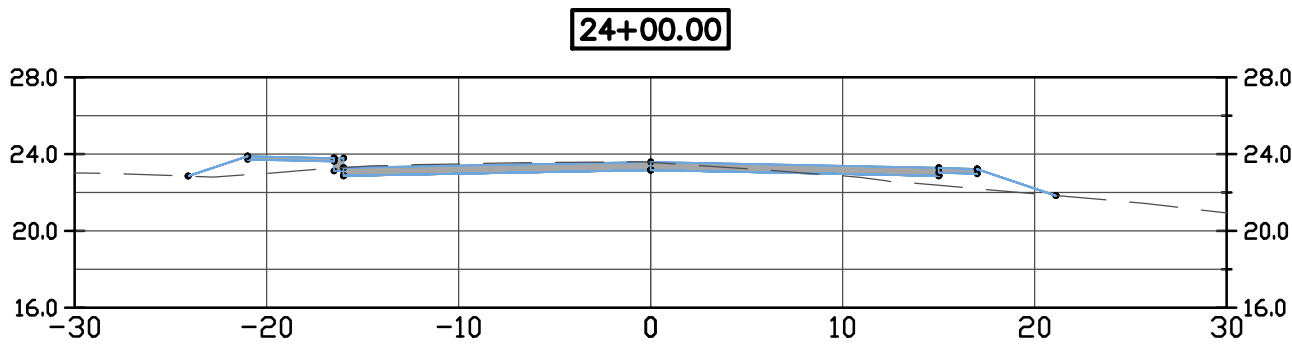
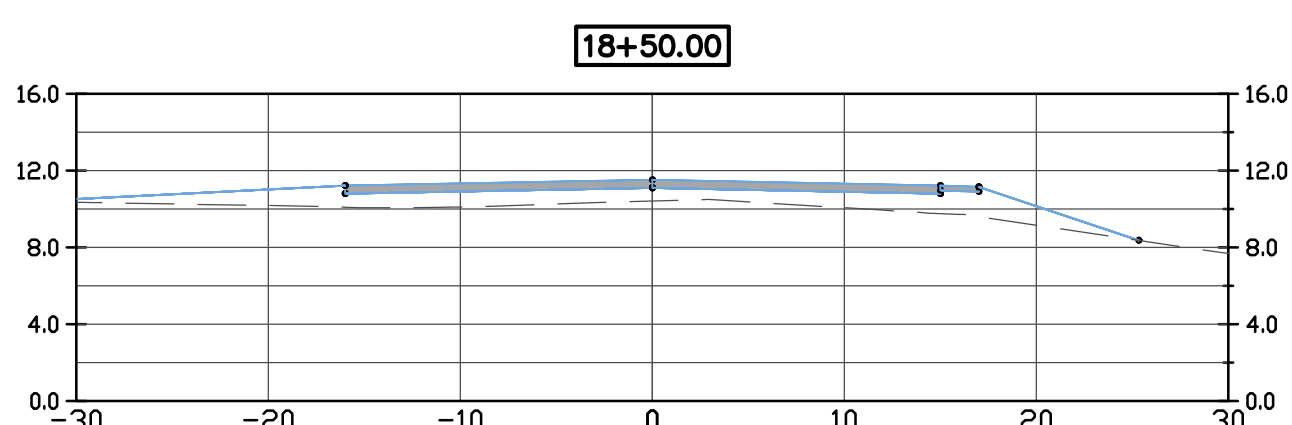
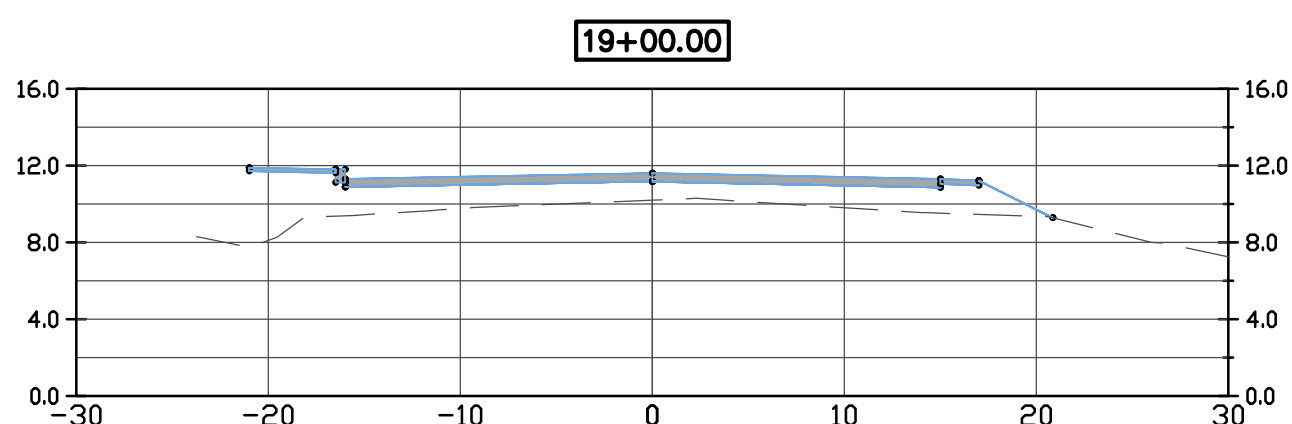
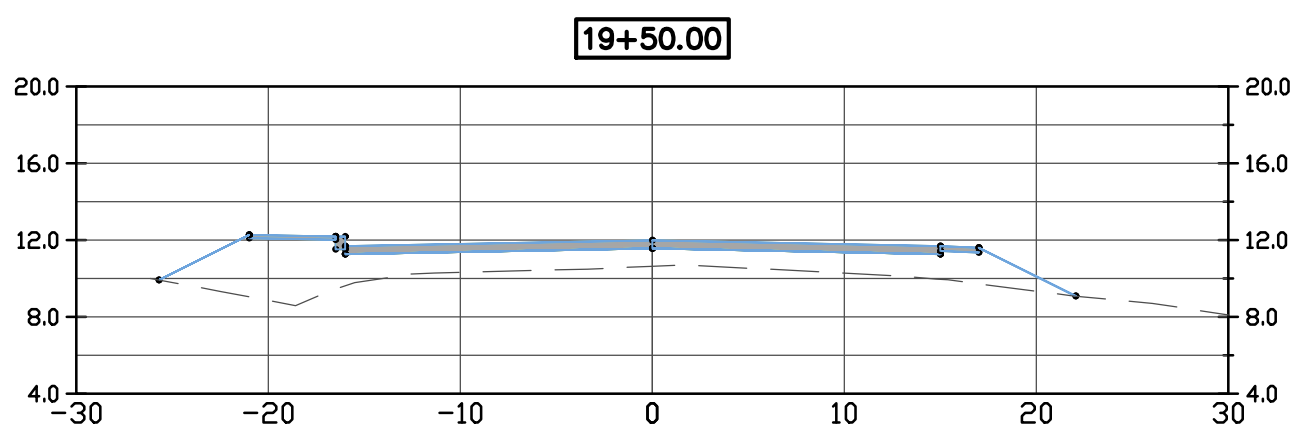
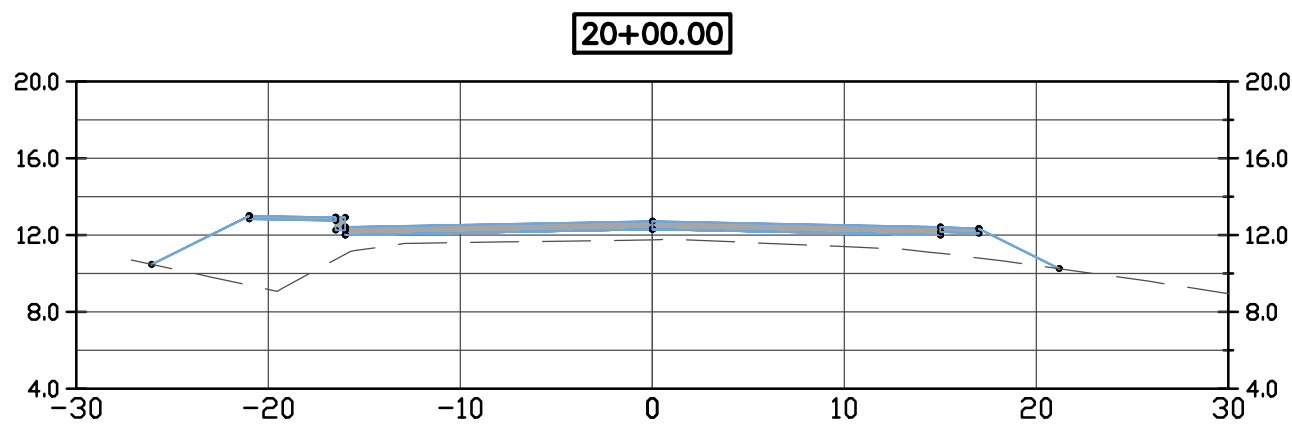
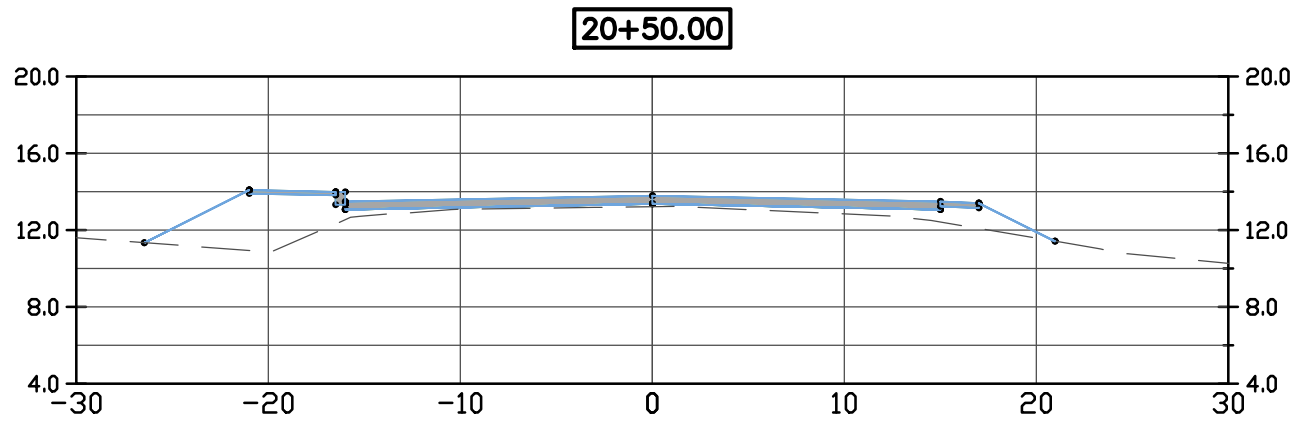
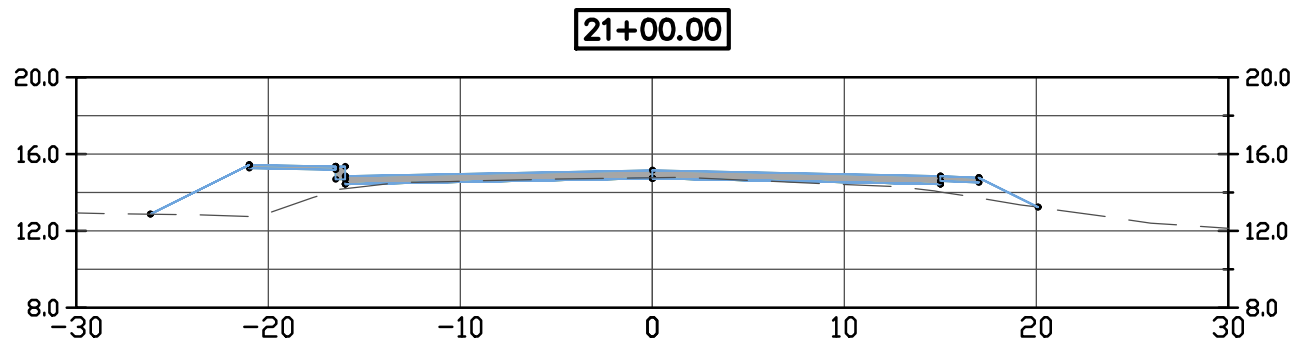
SHEET NO: _____

C-302



50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

M:\Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004_GRA09.dwg 2/4/2022 1:46:11 PM



50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 3

SHEET NO:

C-303

DRAFT

[illegible]

DESIGNED BY:	PMG
DRAWN BY:	PMG
CHECKED BY:	PJC
DATE:	2/4/2022
FILE NAME:	4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

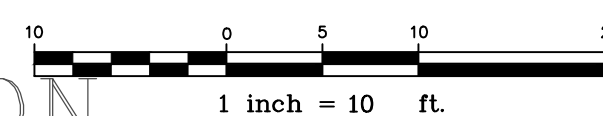
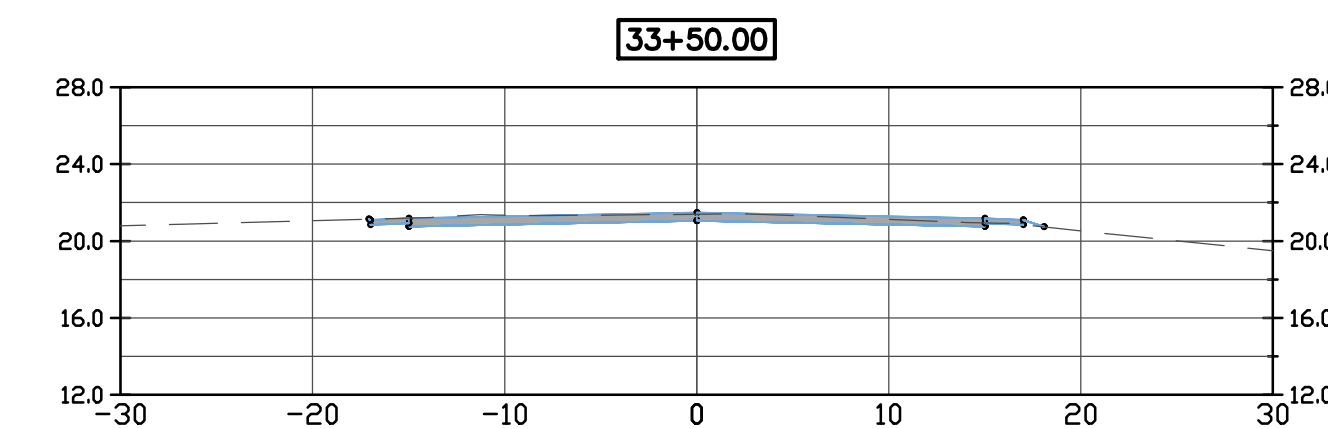
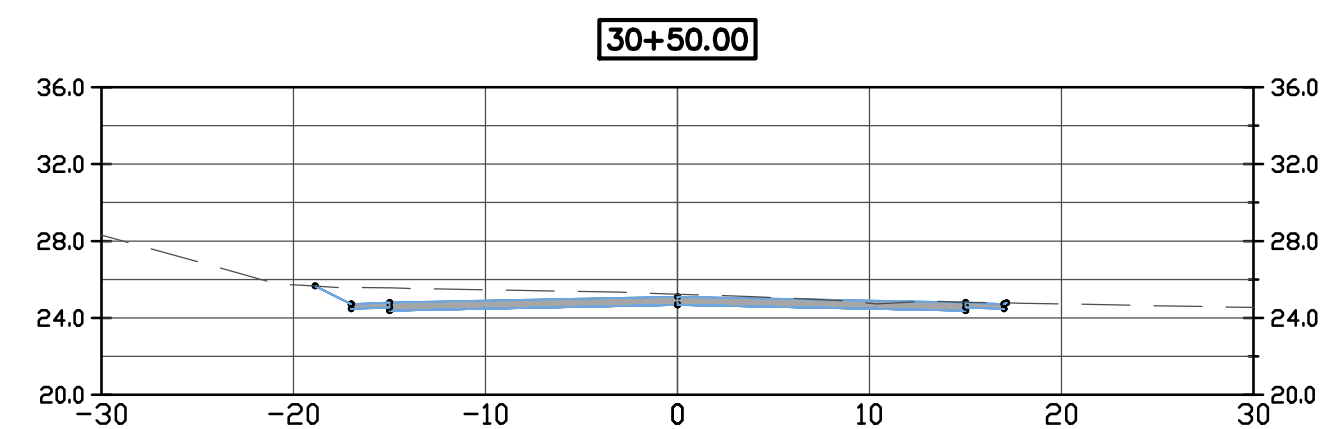
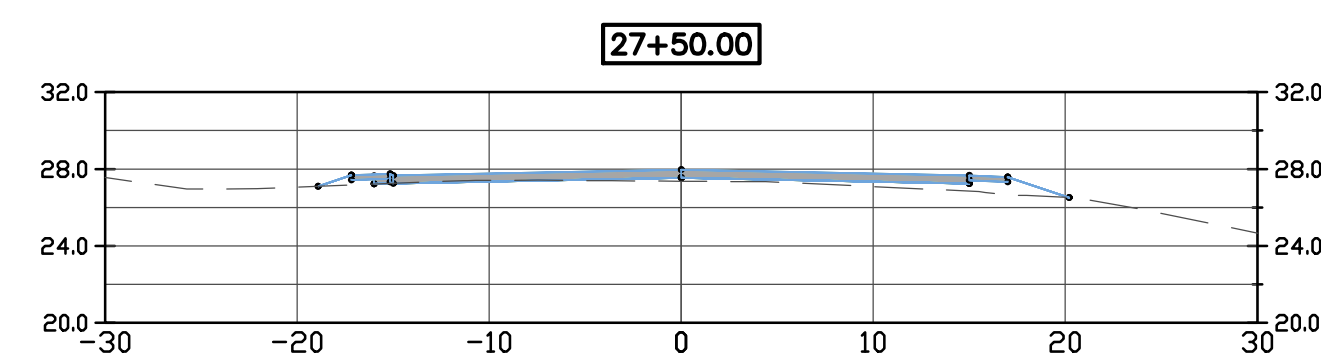
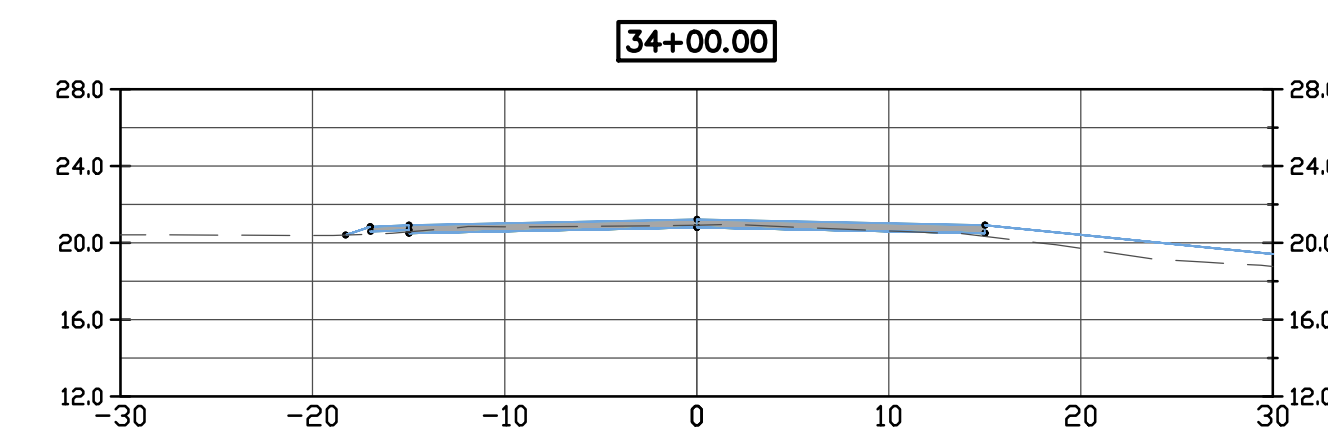
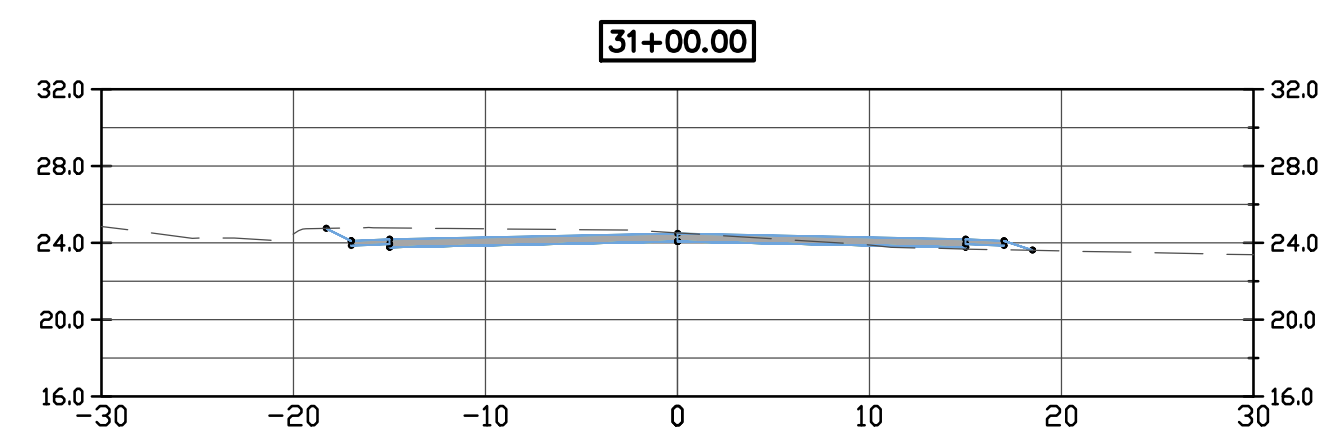
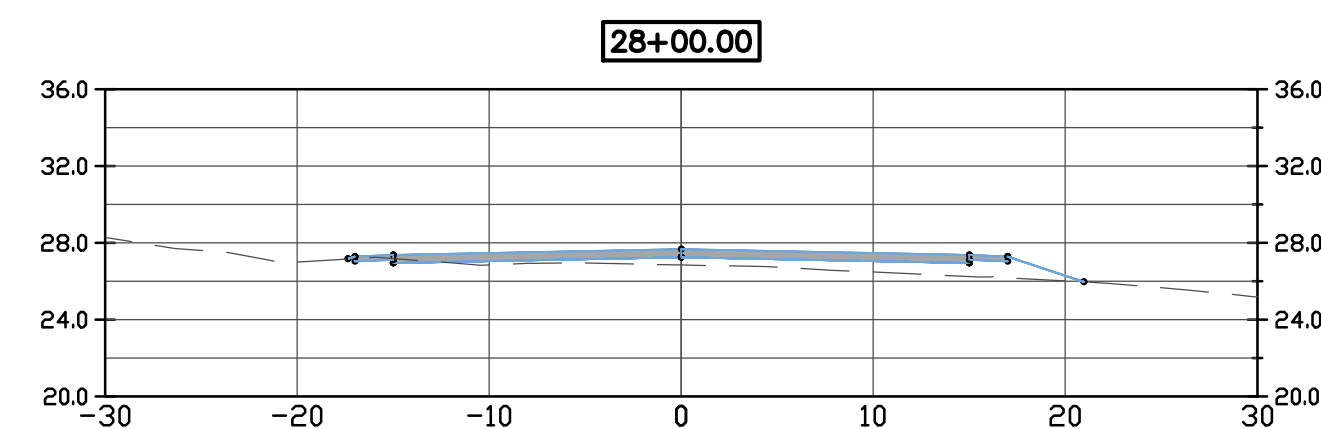
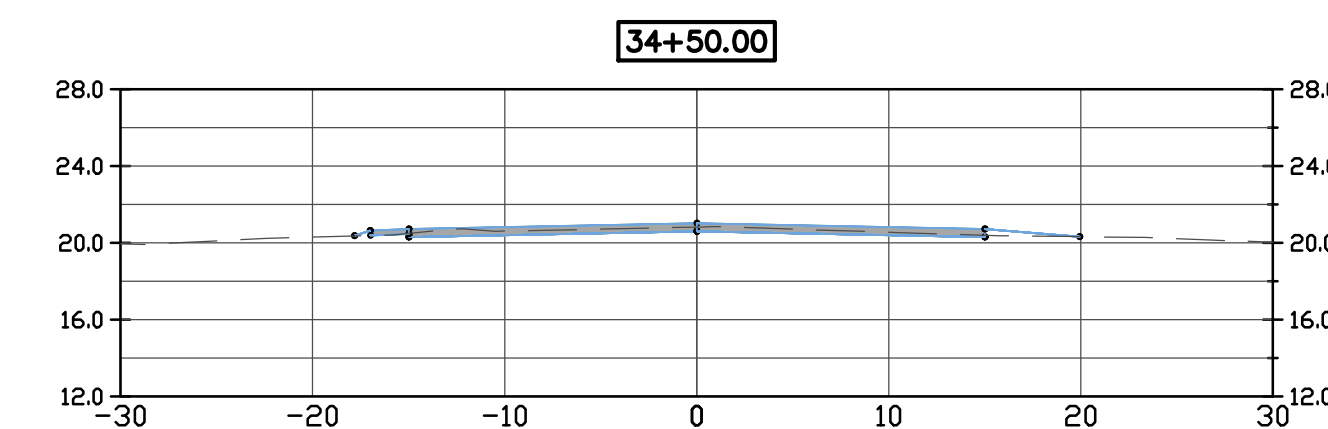
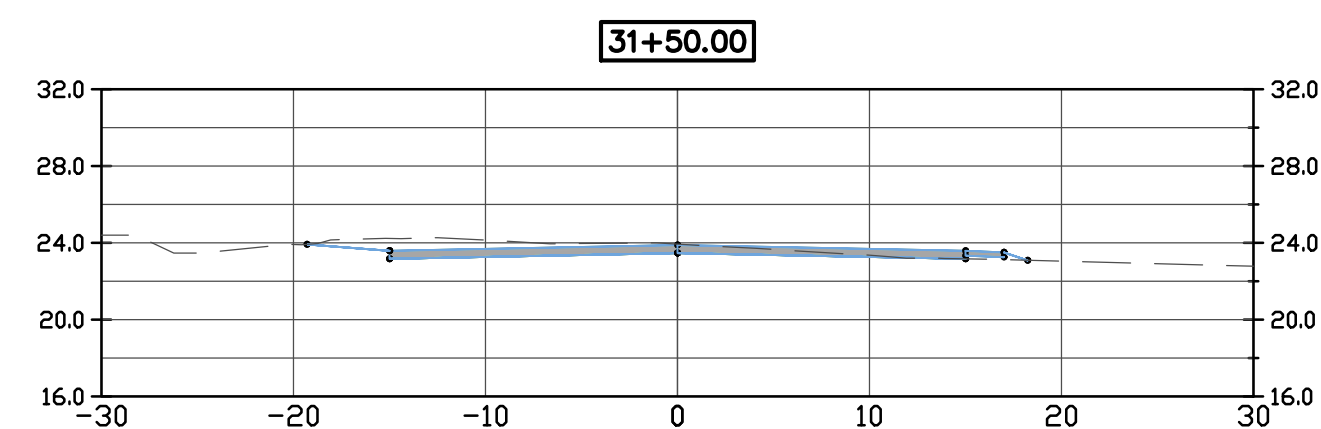
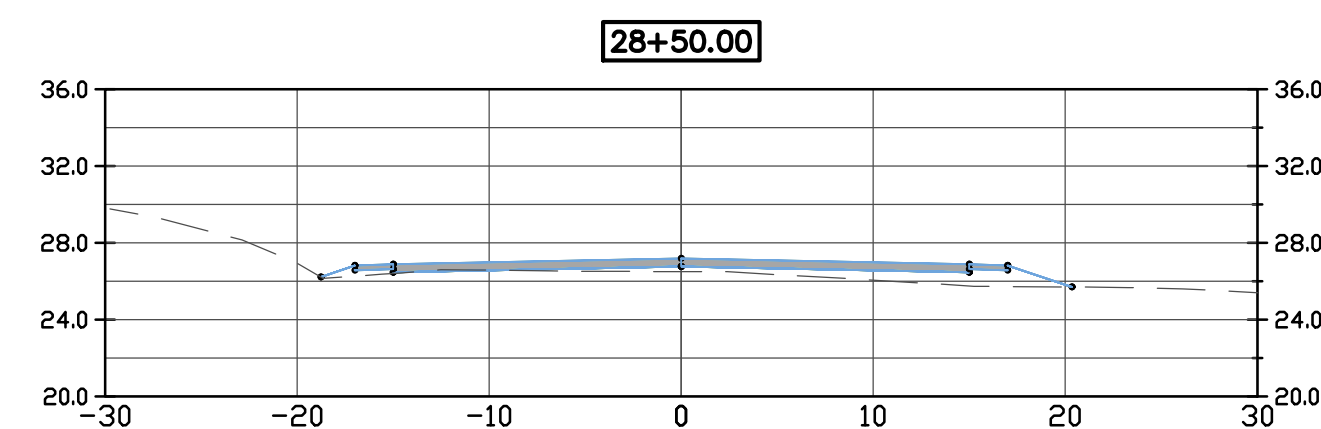
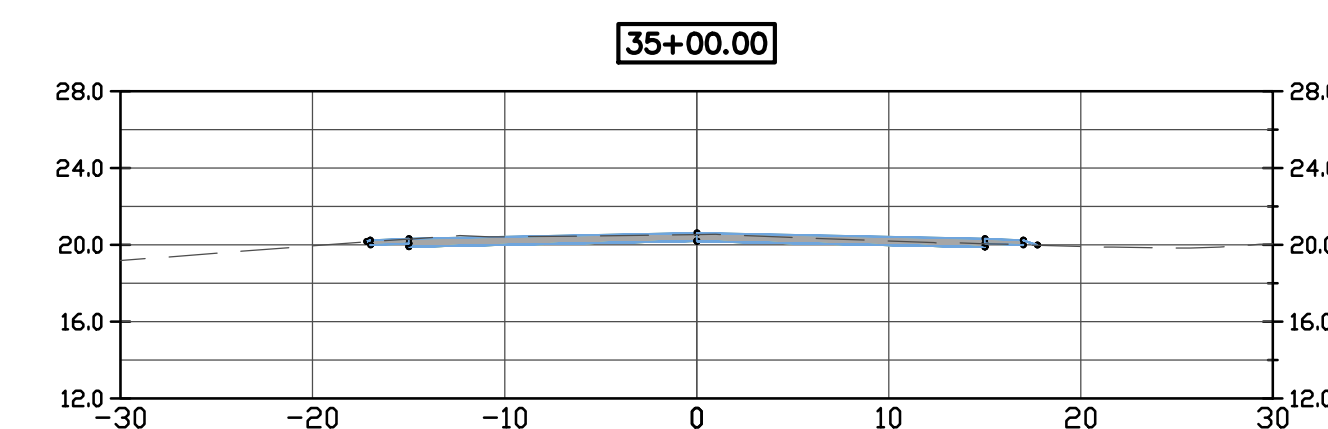
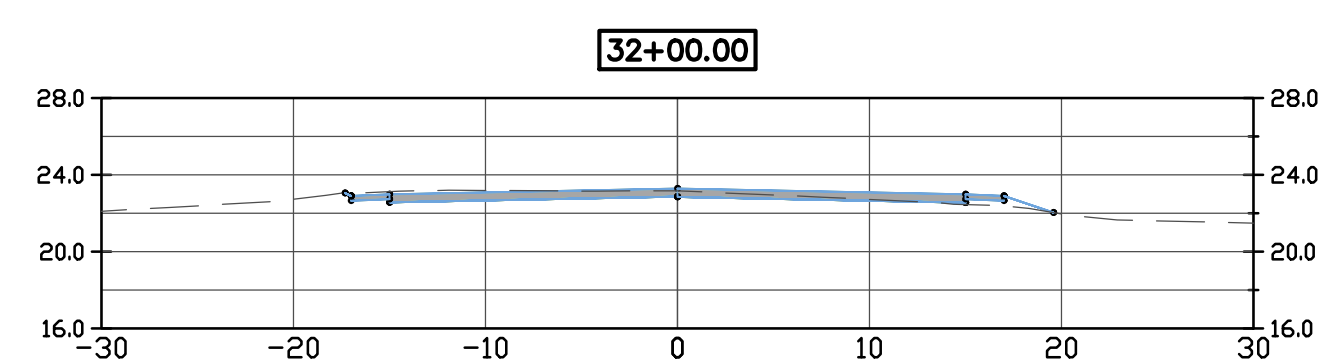
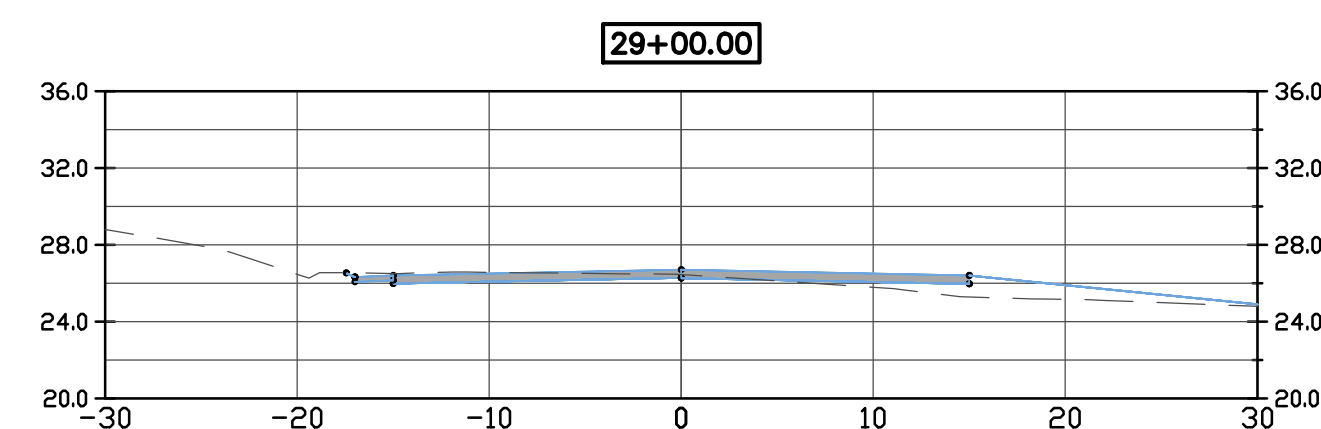
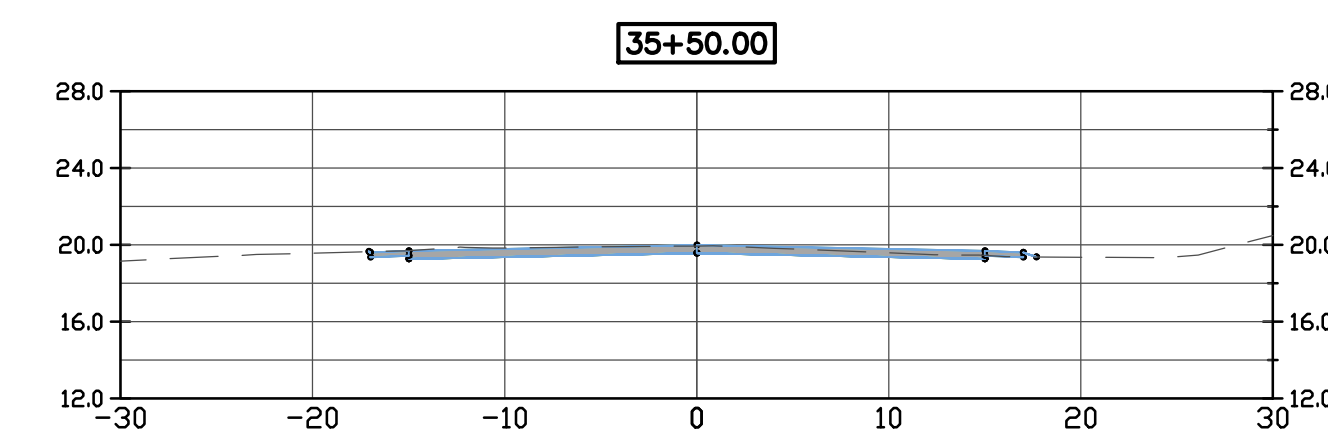
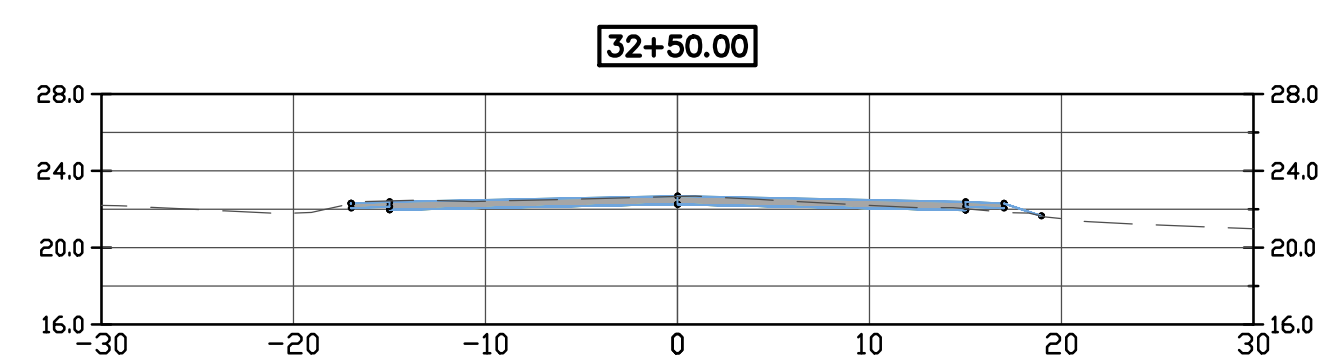
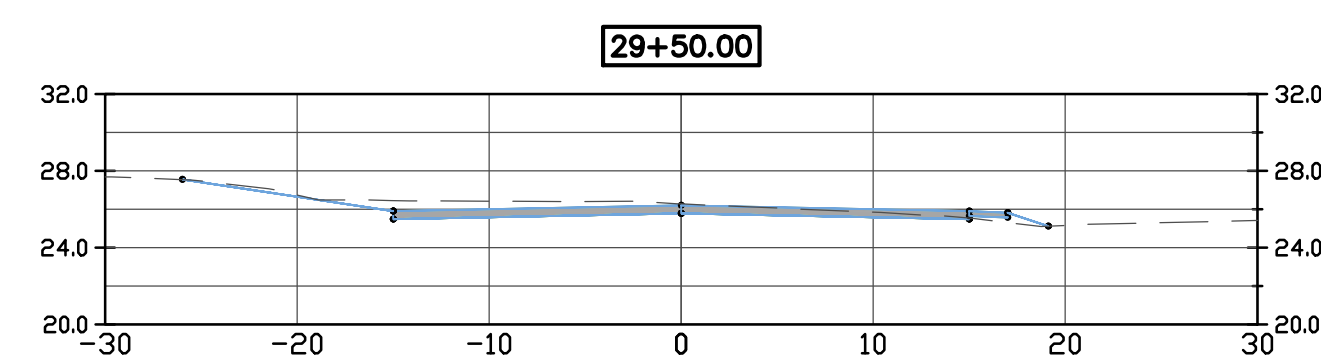
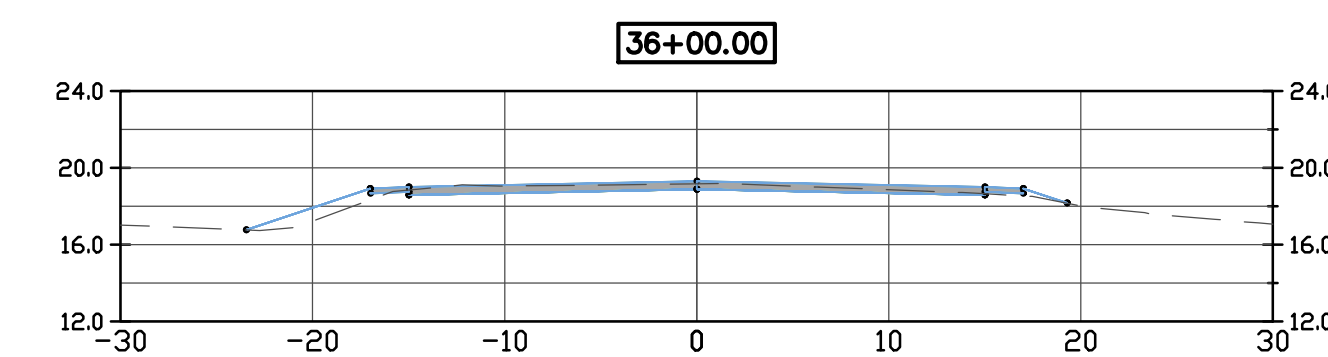
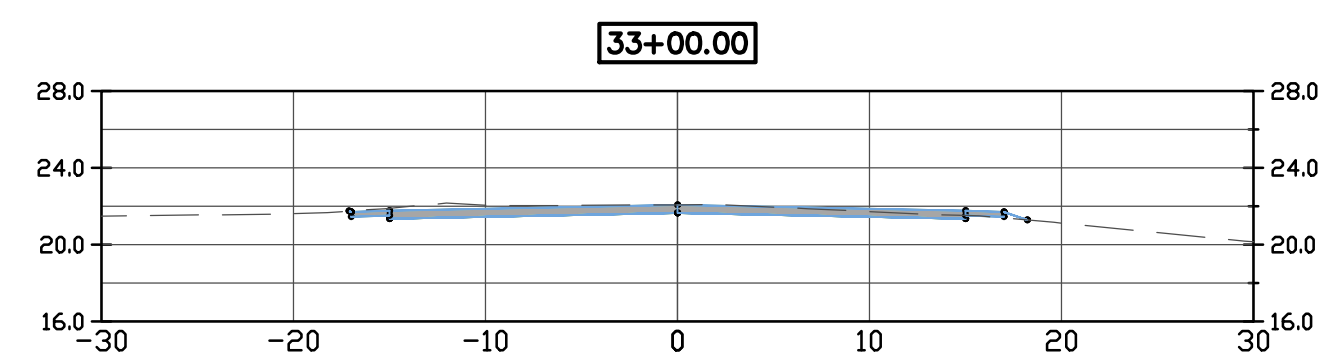
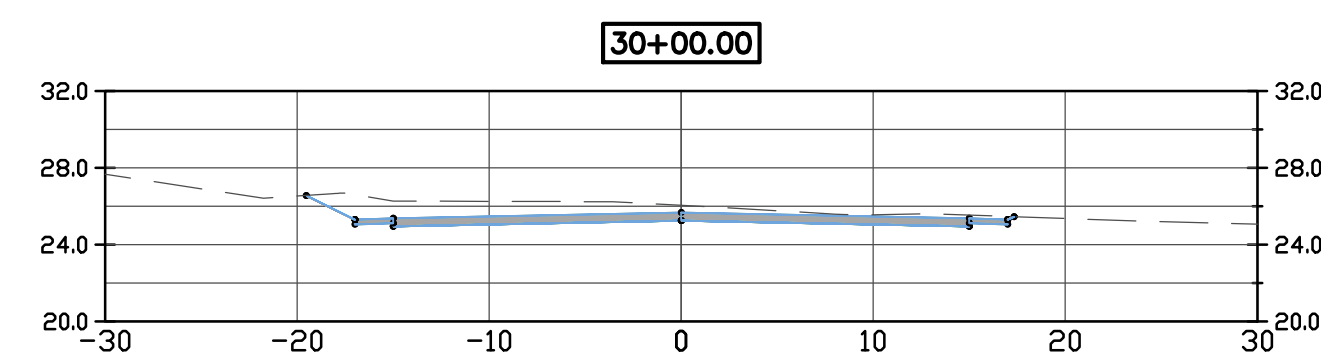
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 4

SHEET NO:

C-304

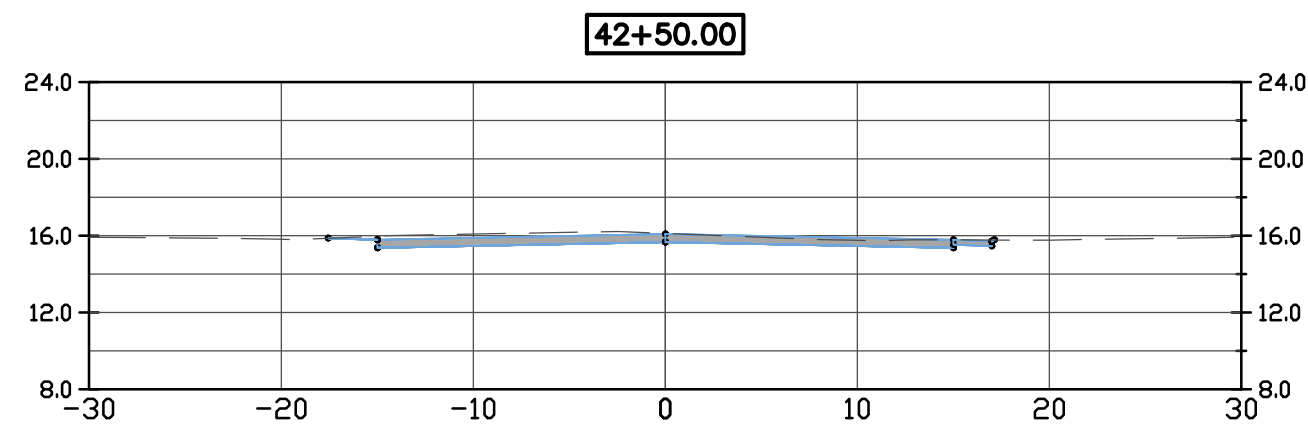
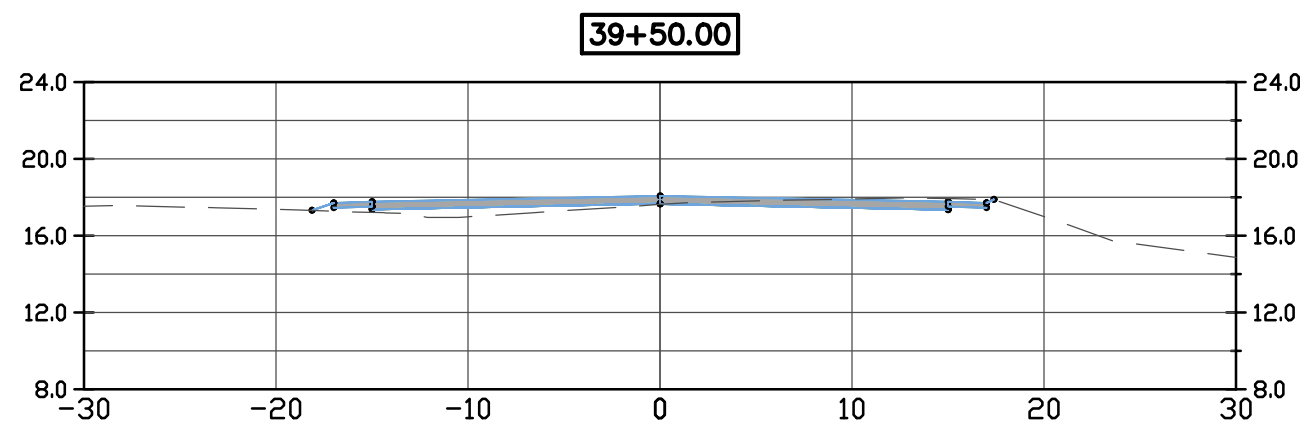
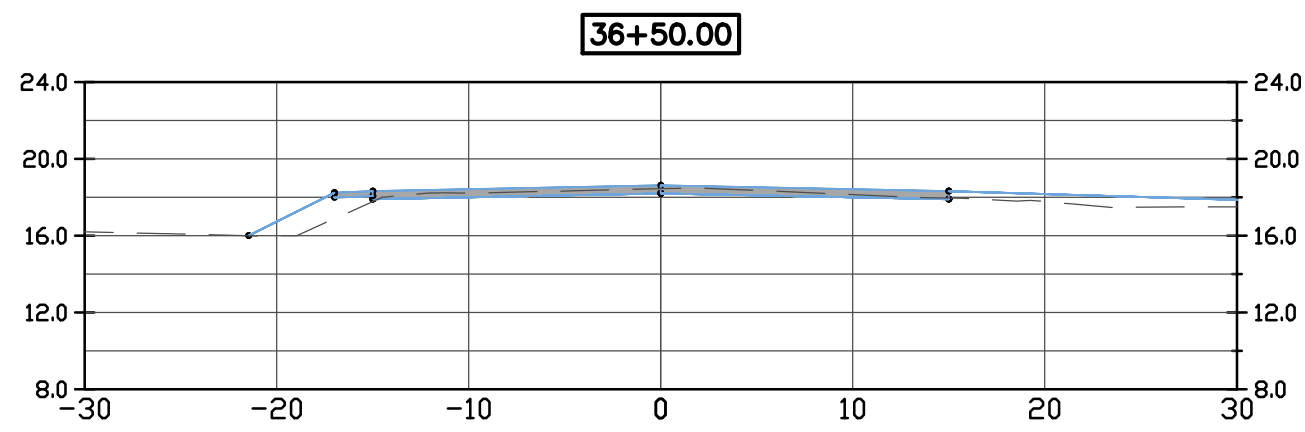
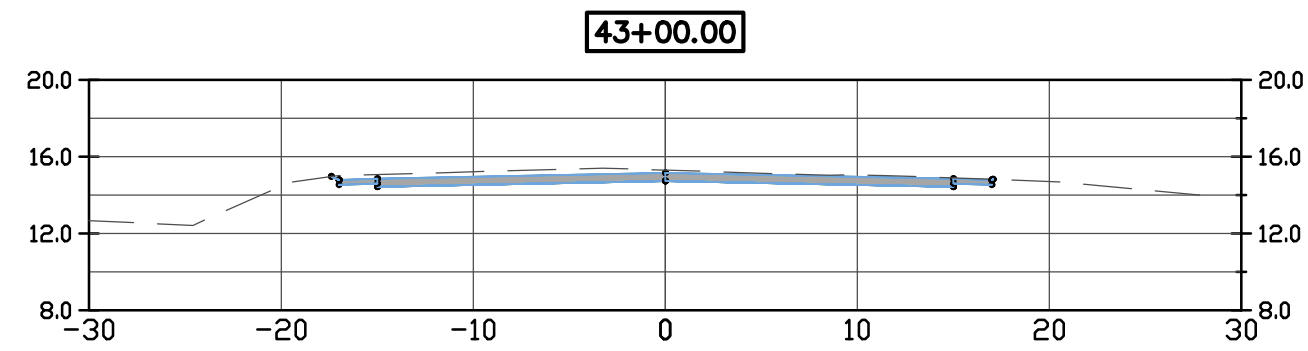
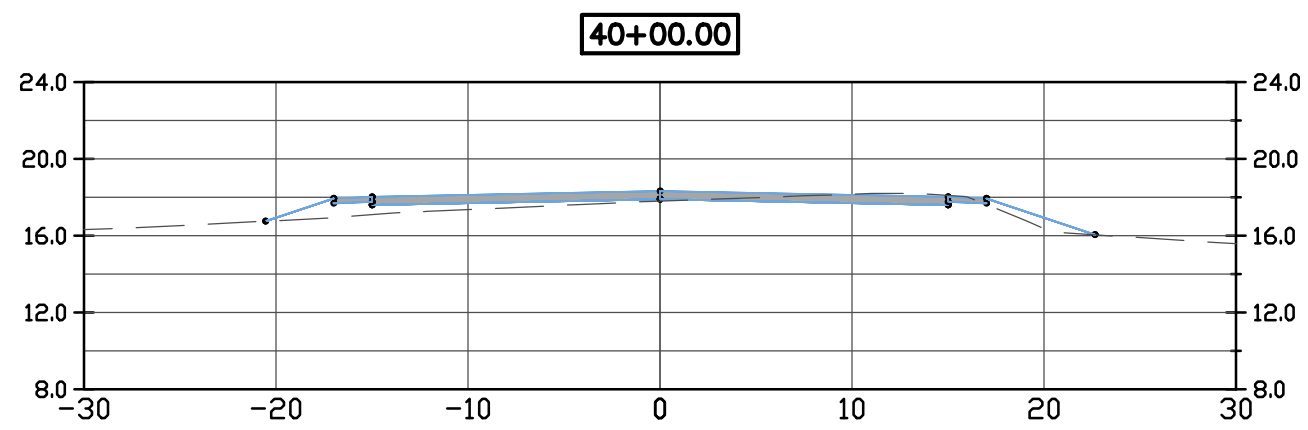
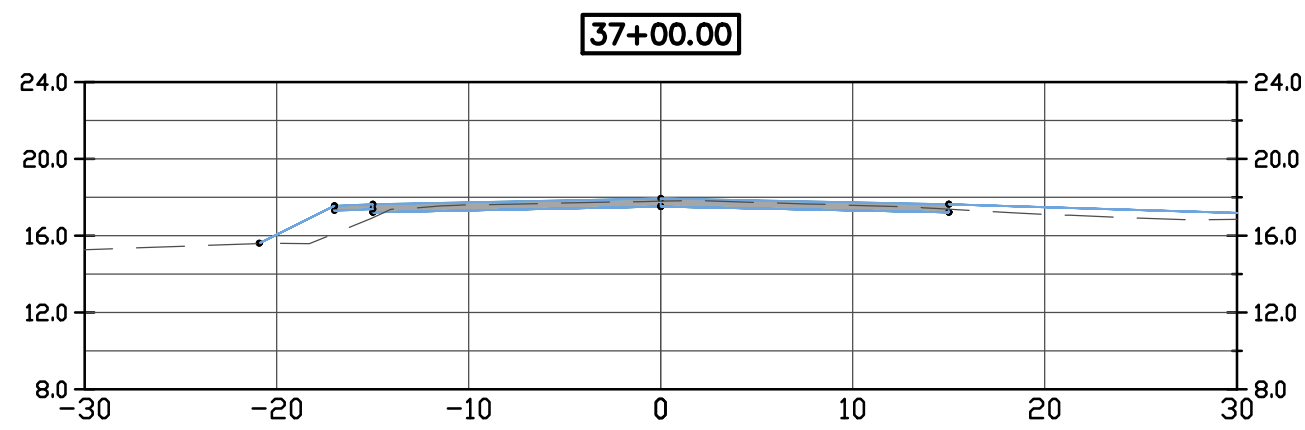
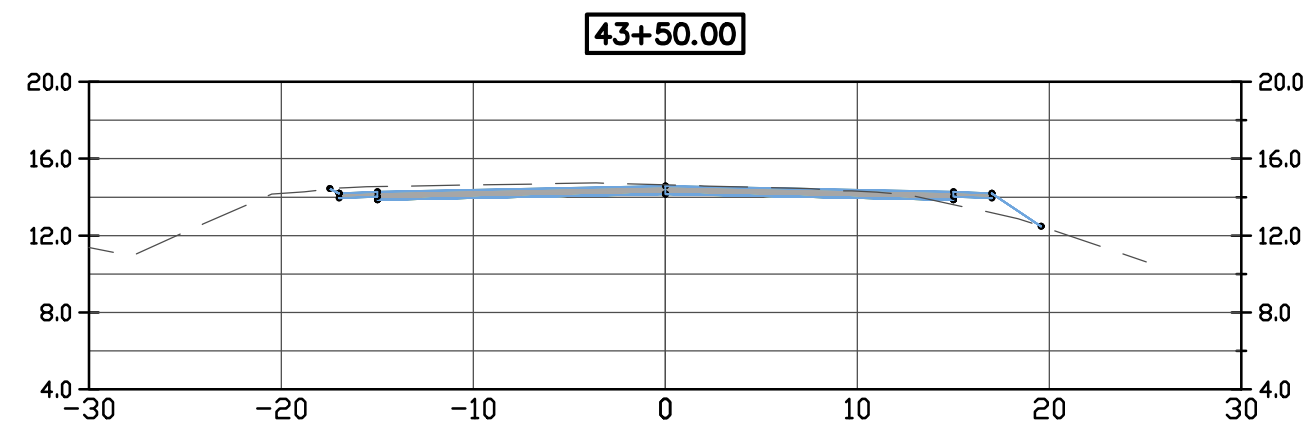
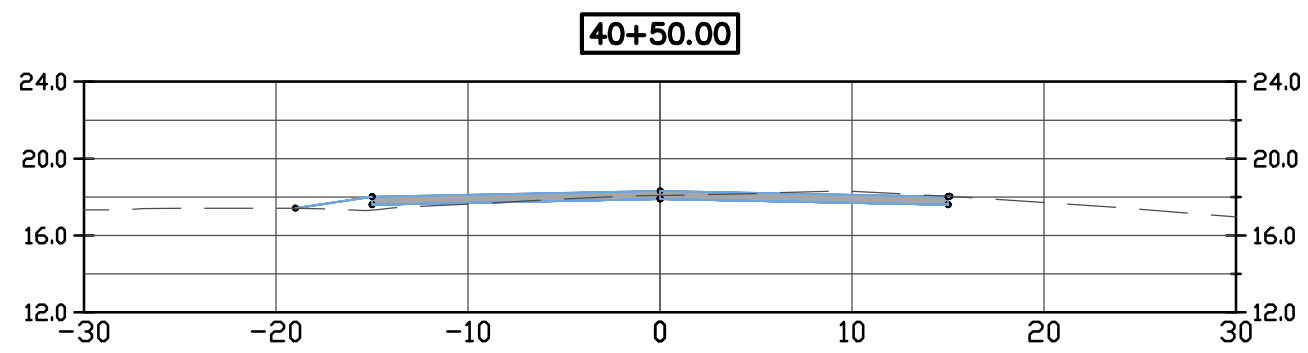
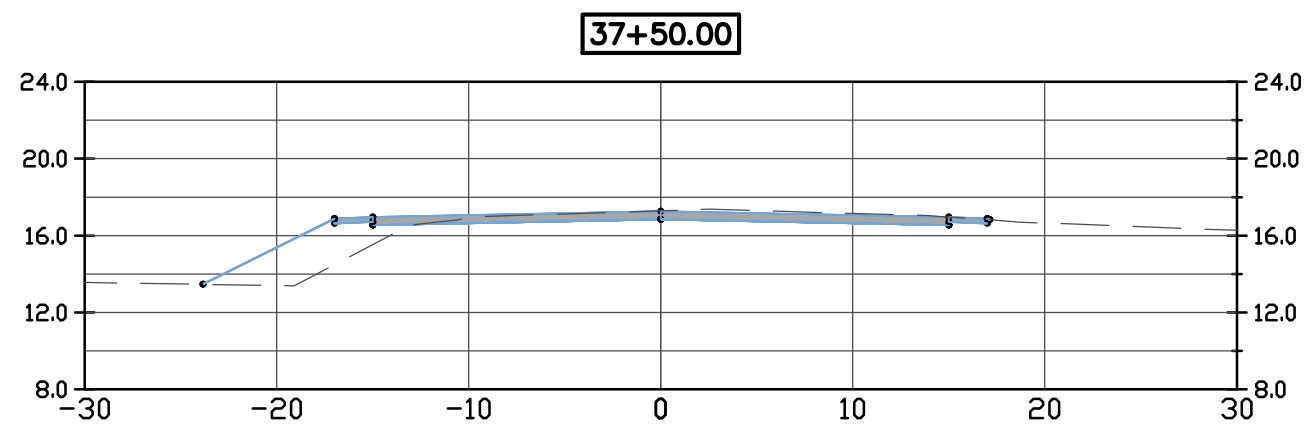
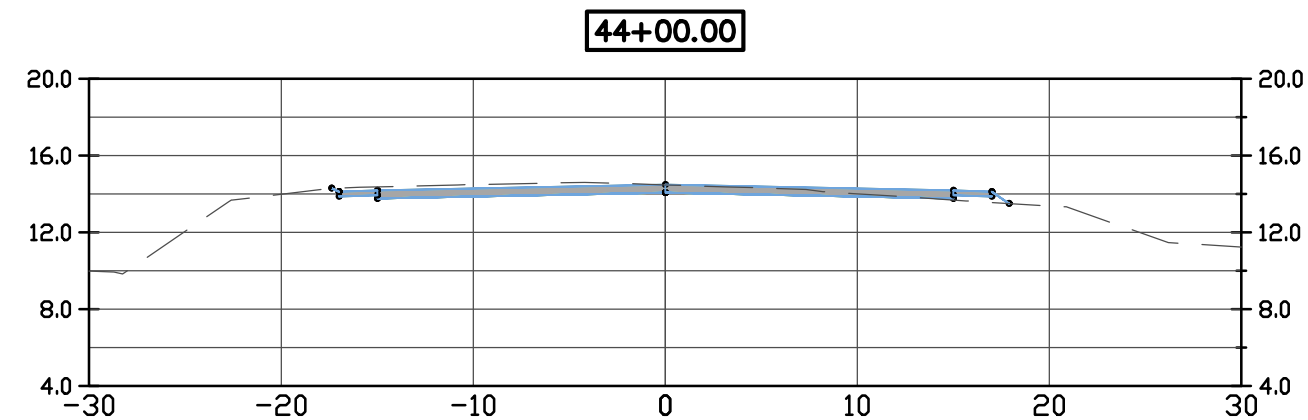
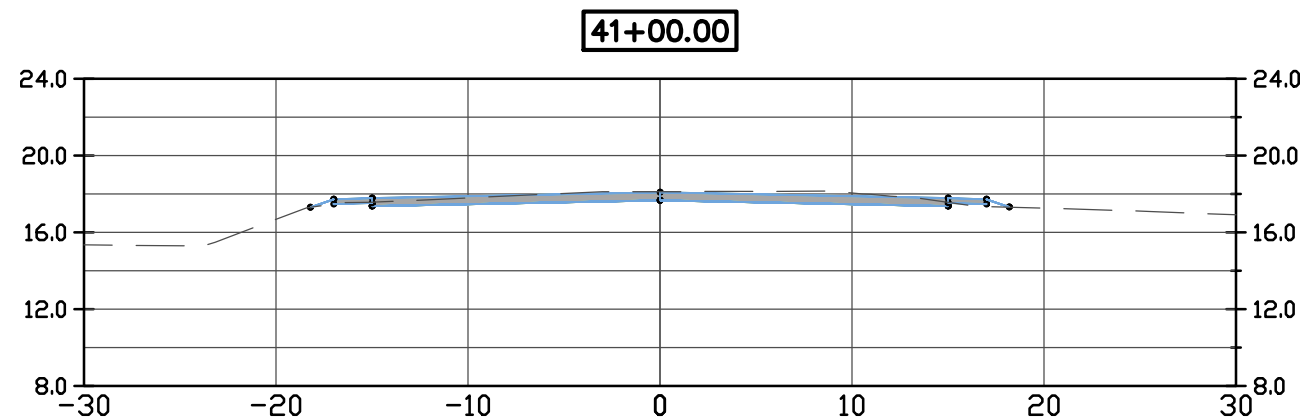
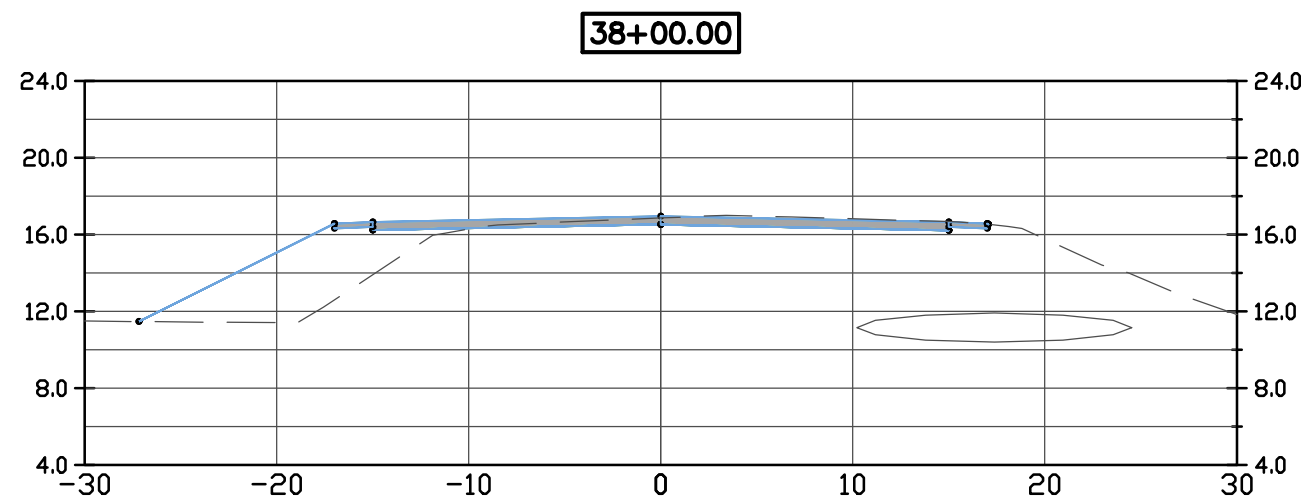
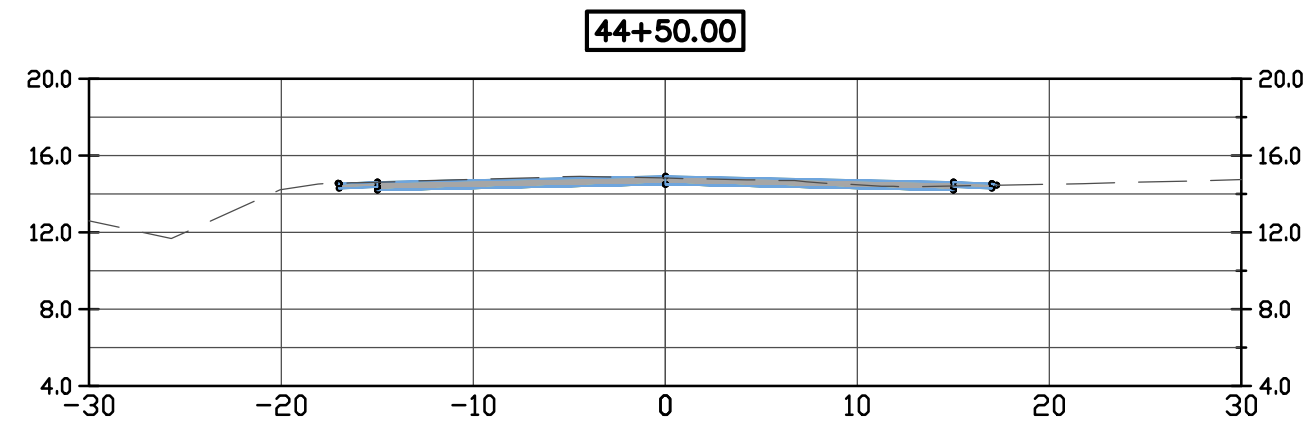
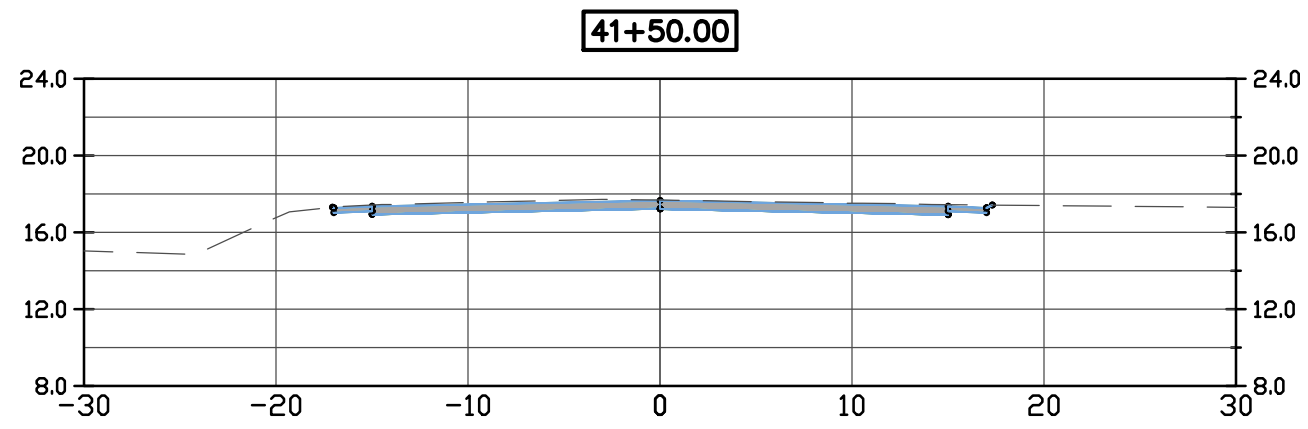
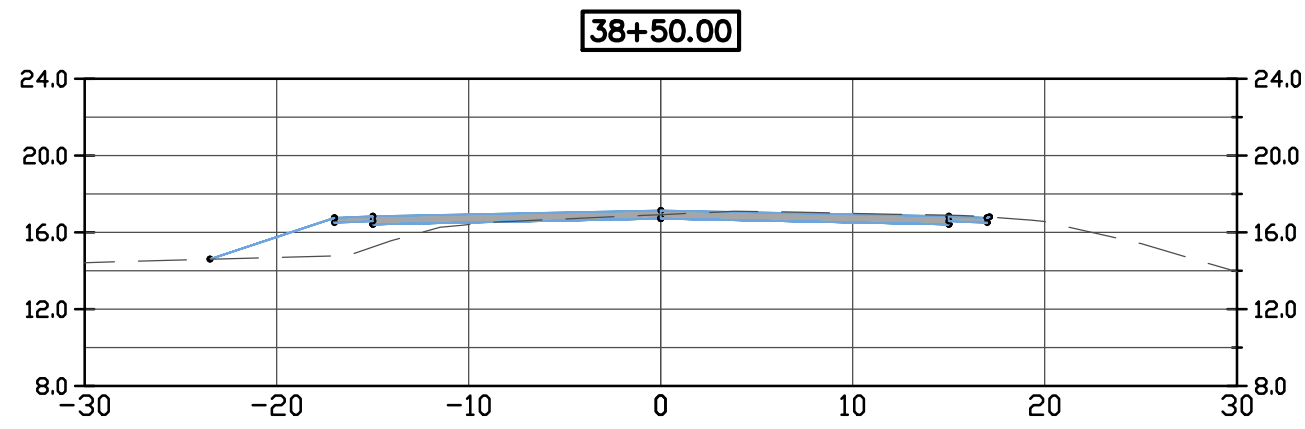
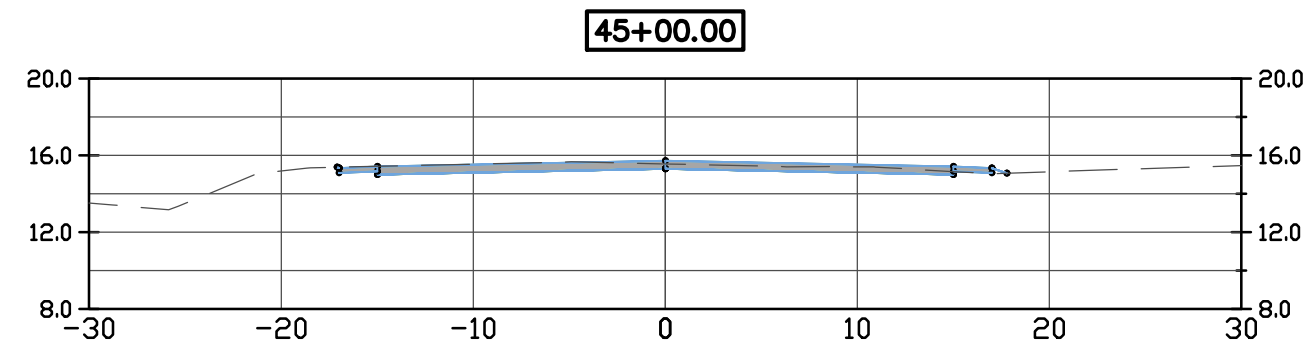
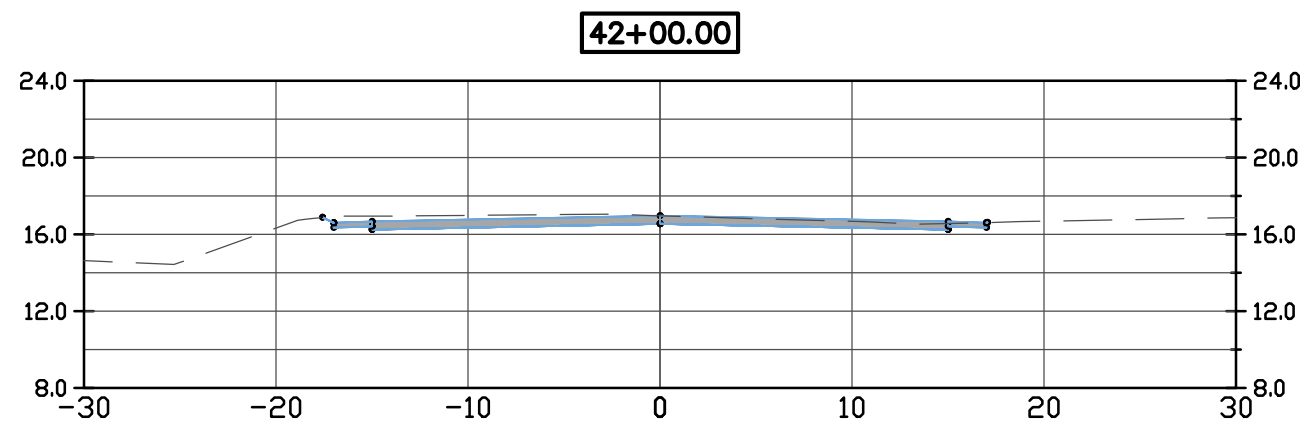
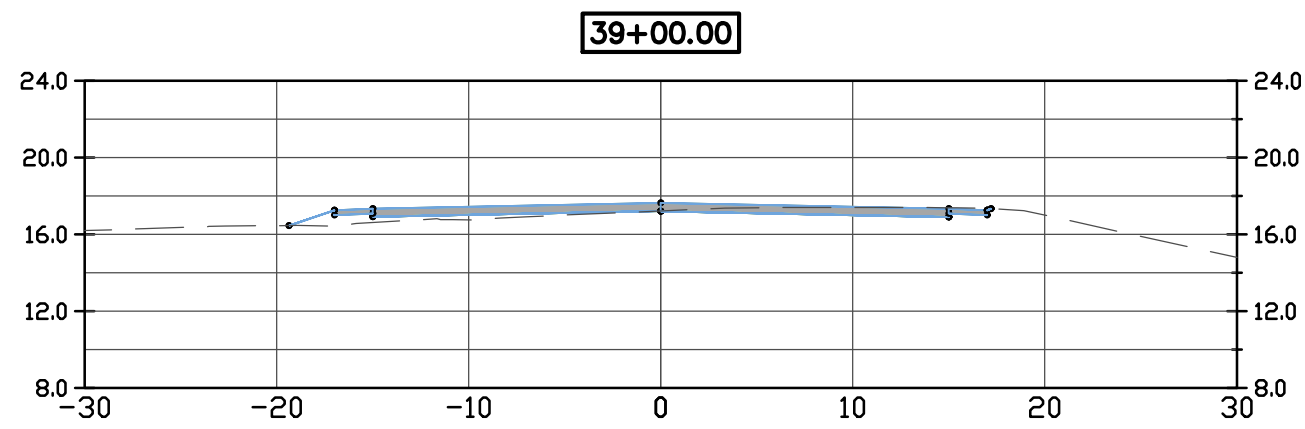
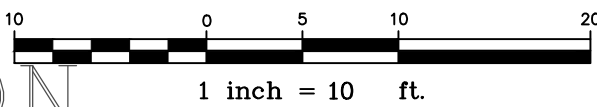


M:\Cad Drawings - Dwg\Active Dwgs\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004 GRA09.dwg 2/4/2022 1:46:20 PM

50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

M:\Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004_GRA09.dwg 2/4/2022 1:46:29 PM

50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 5

SHEET NO:

C-305

DRAFT

[illegible]

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

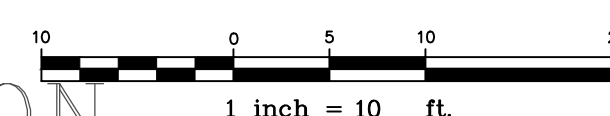
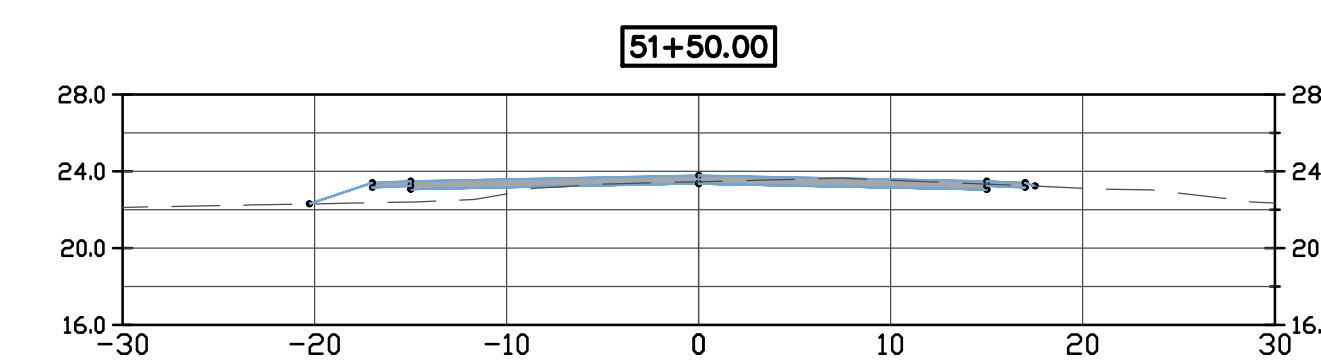
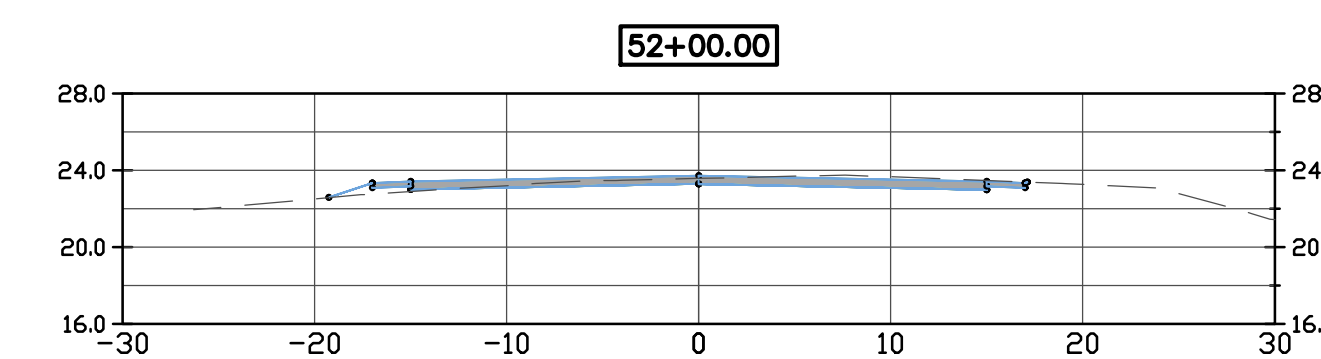
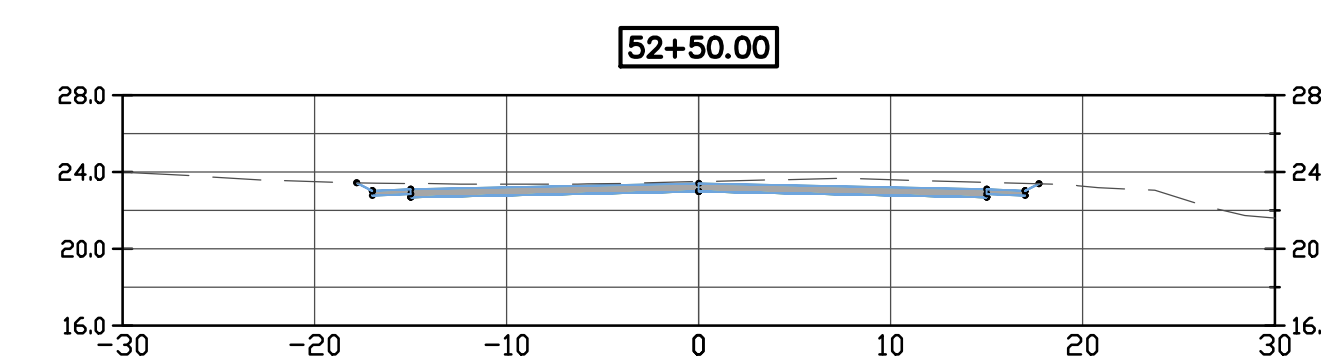
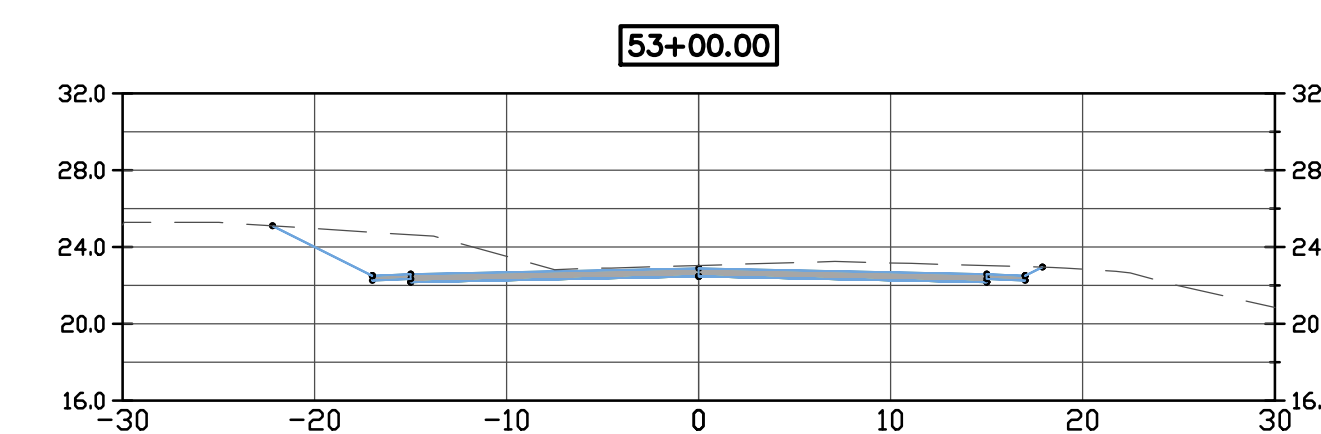
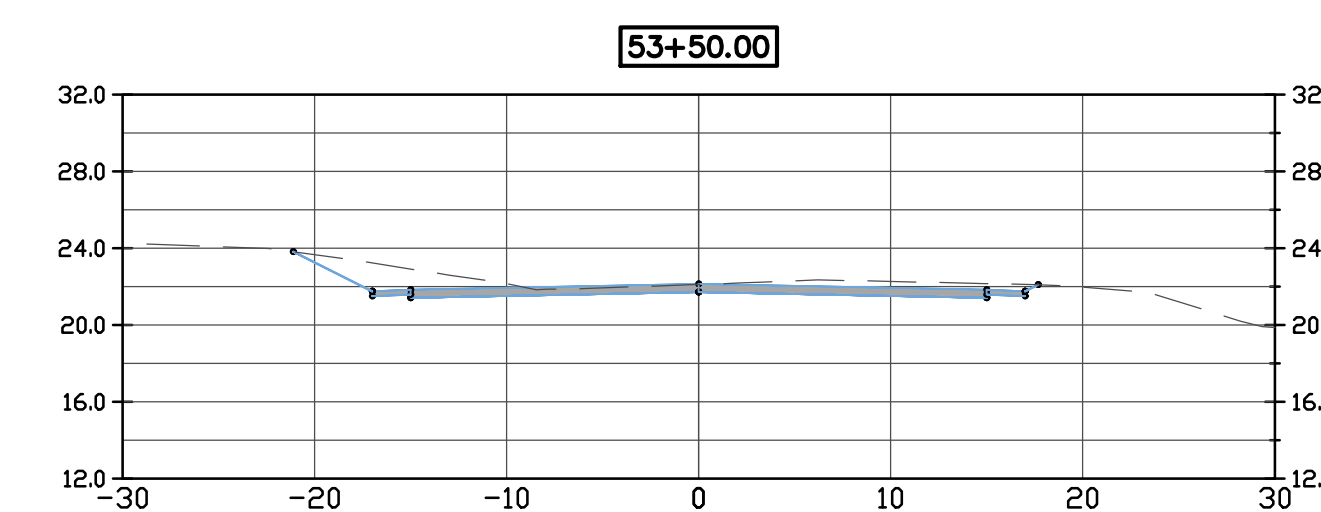
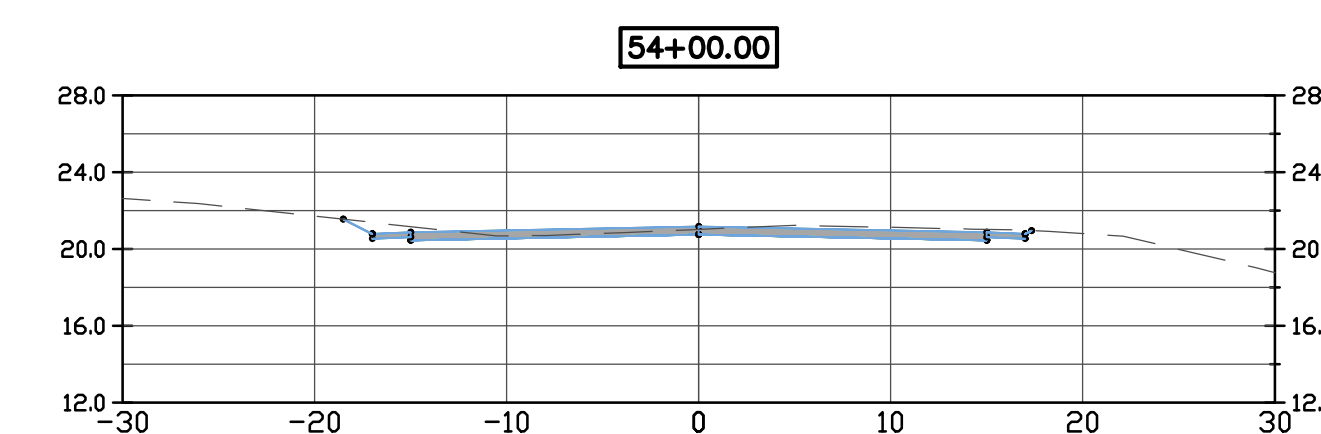
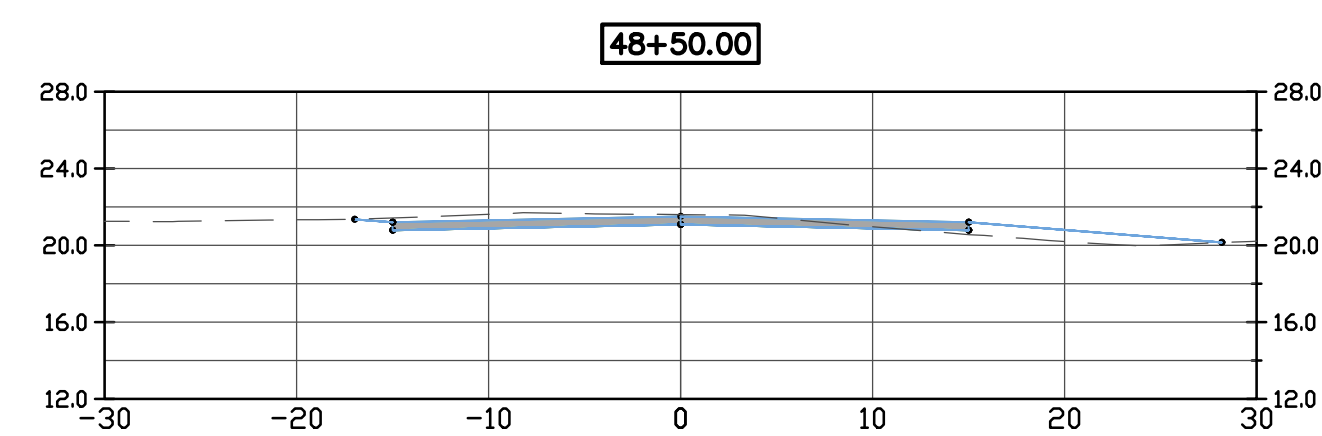
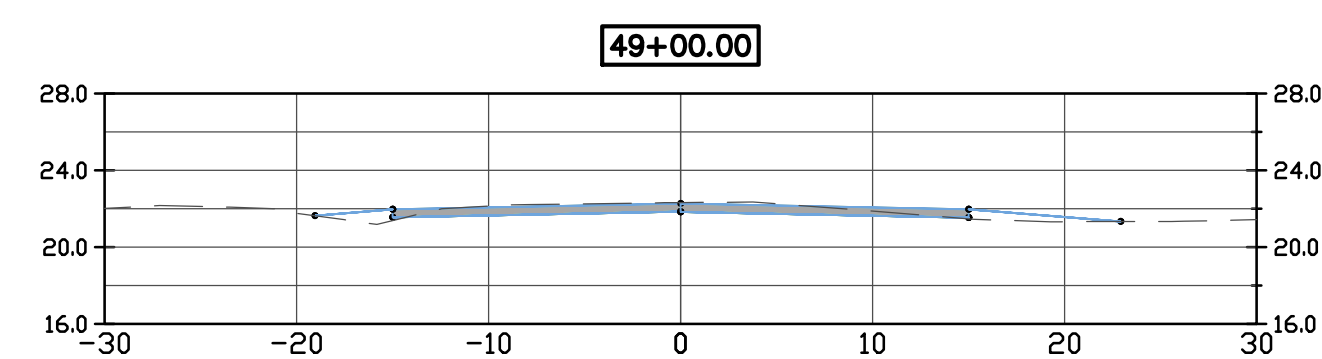
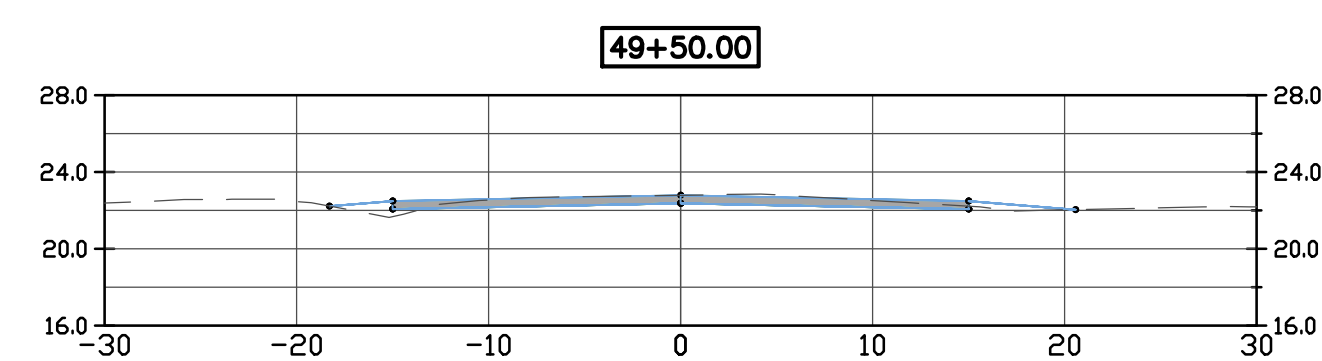
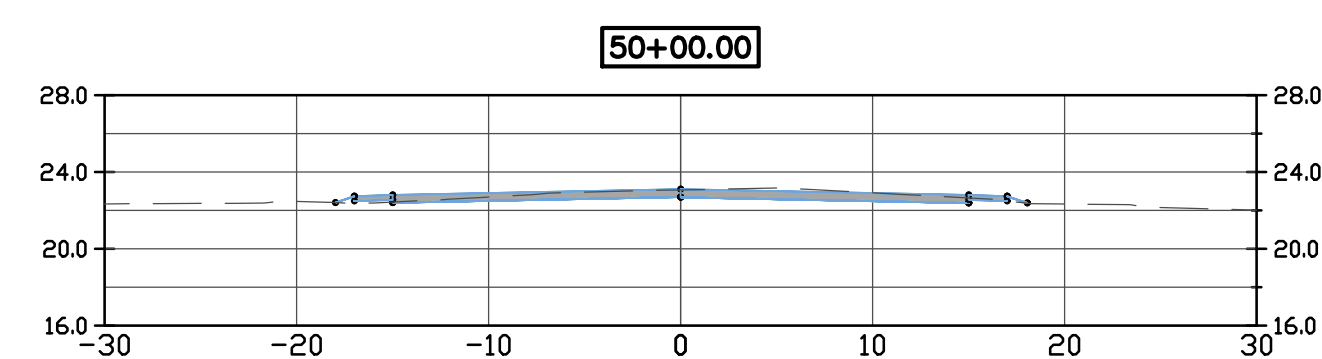
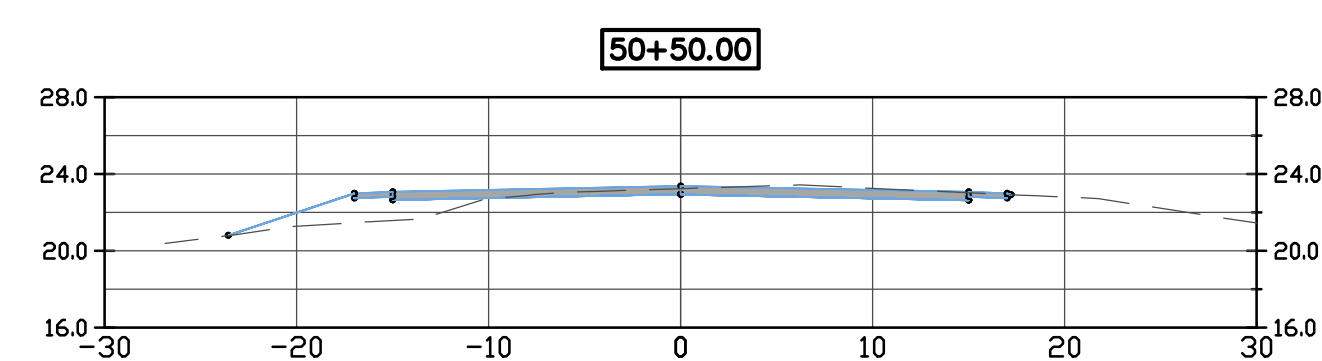
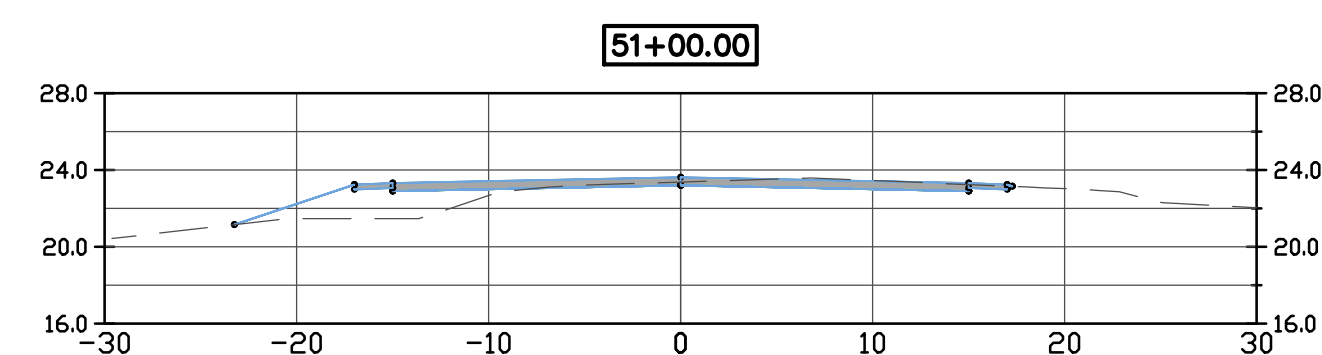
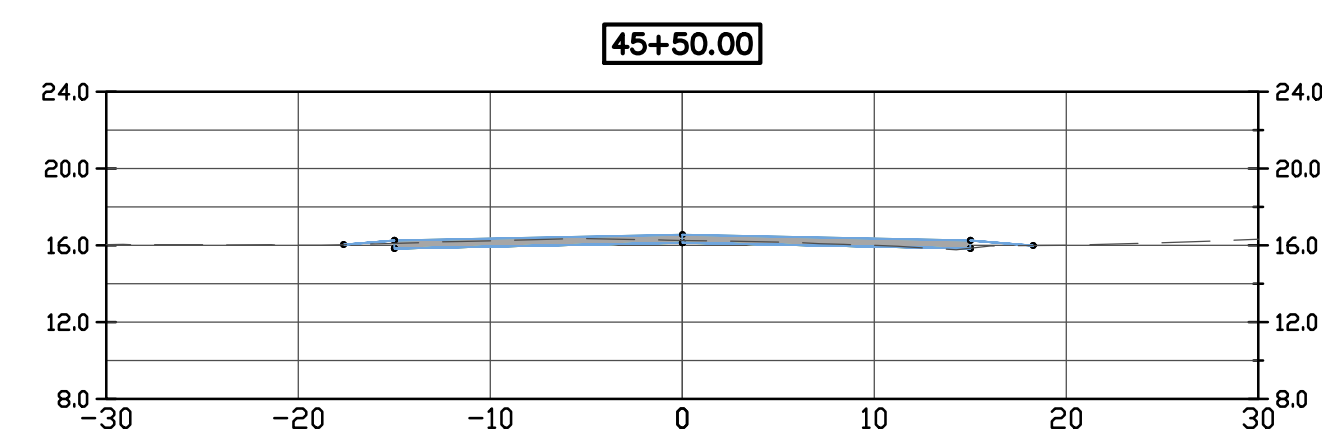
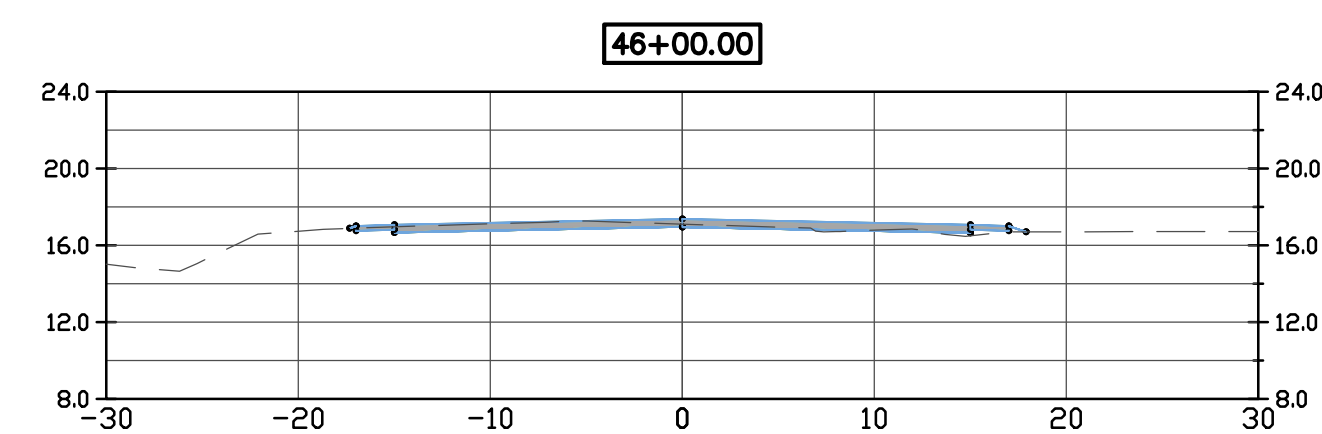
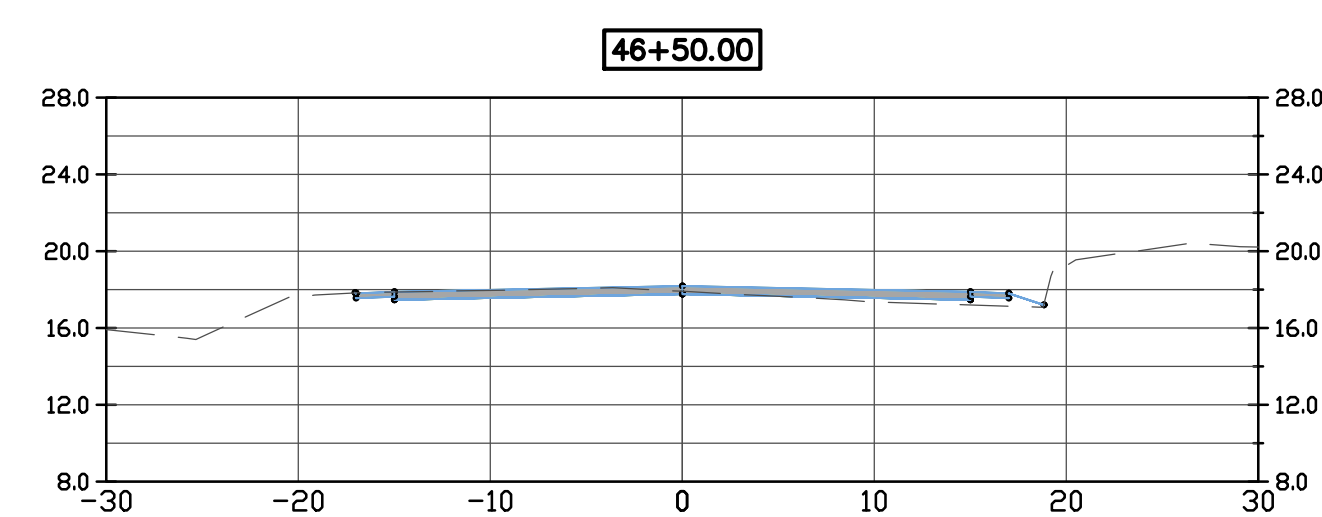
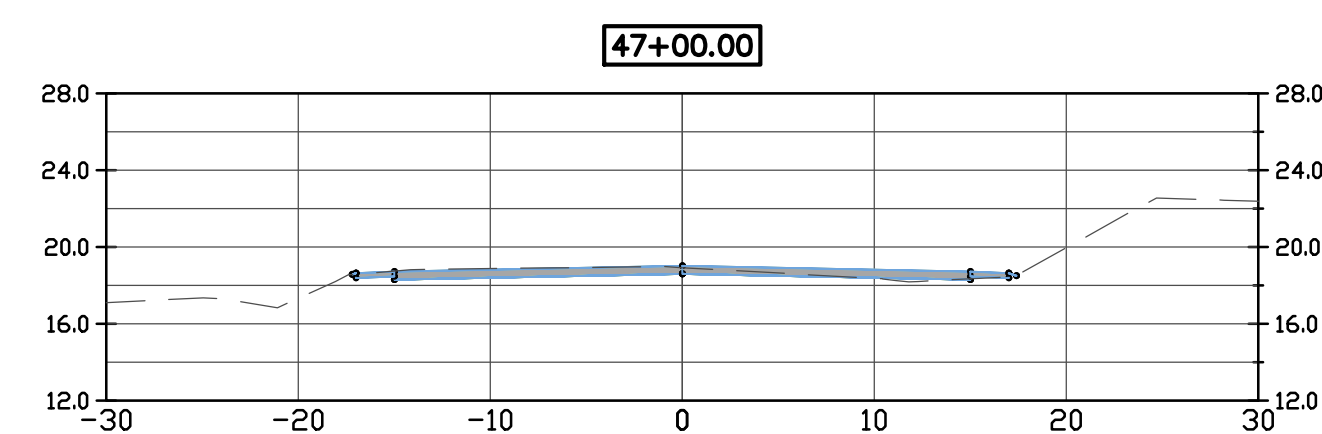
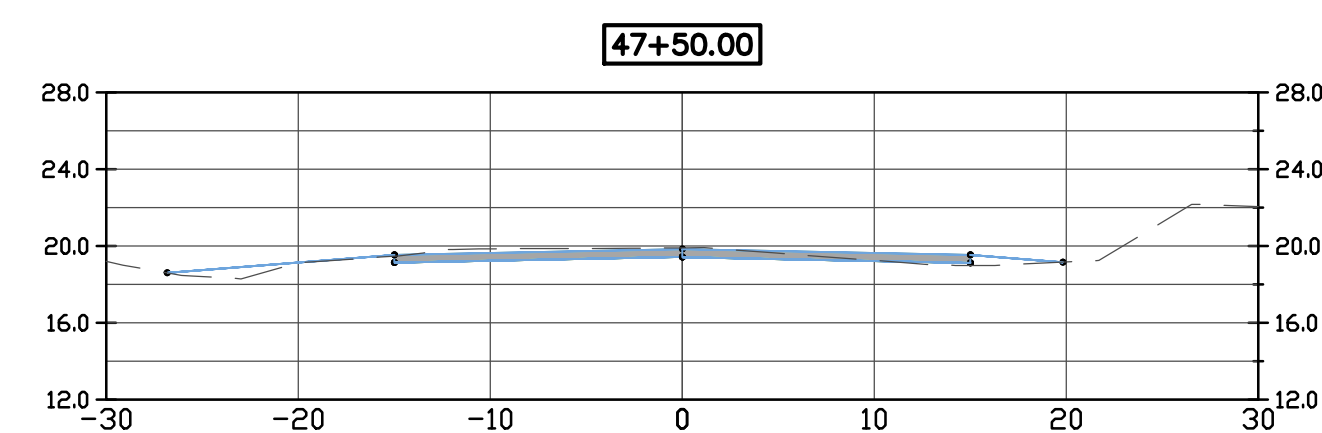
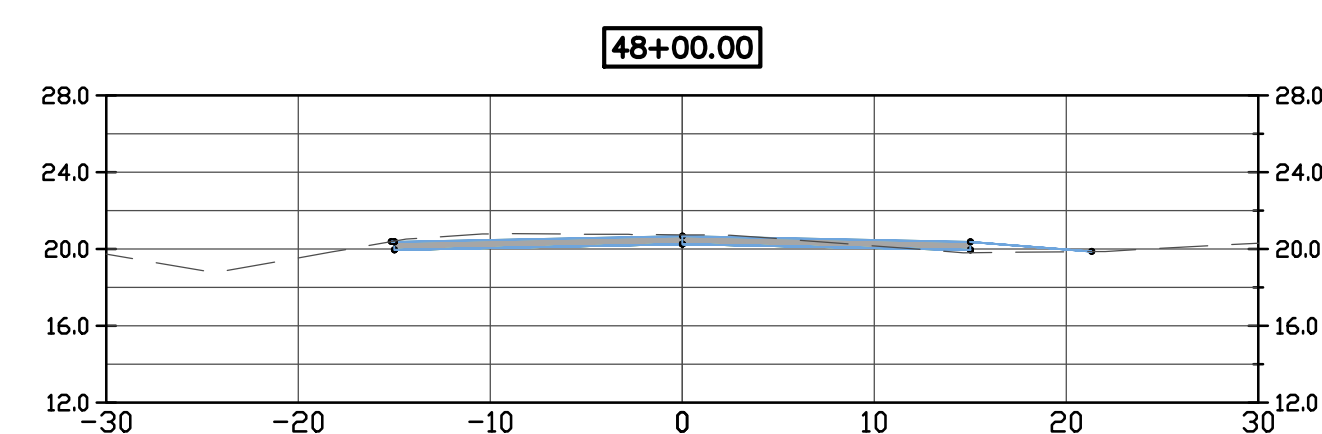
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 6

SHEET NO:

C-306



h:\Cad Drawings - Dwgs\Active Dwgs\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004 GRA09.dwg 2/4/2022 1:46:38 PM

50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

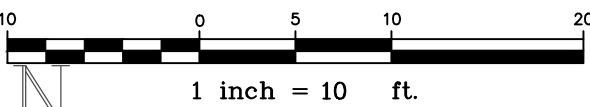
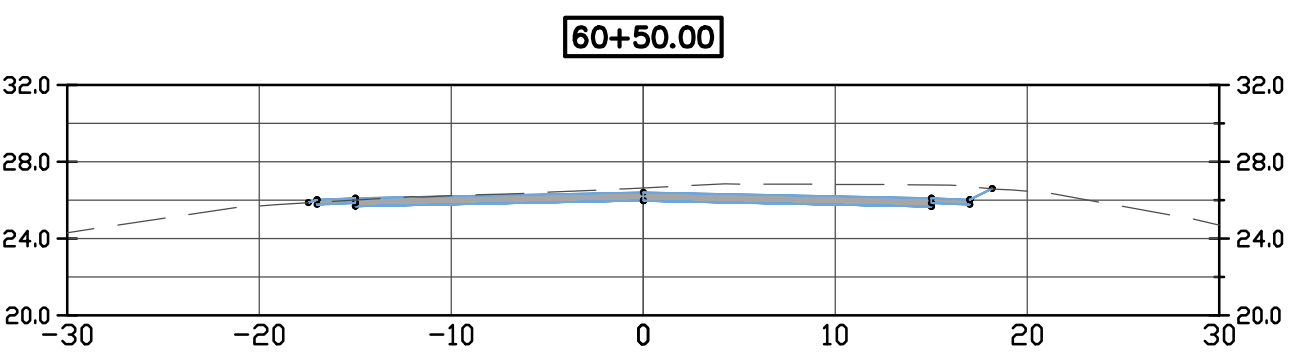
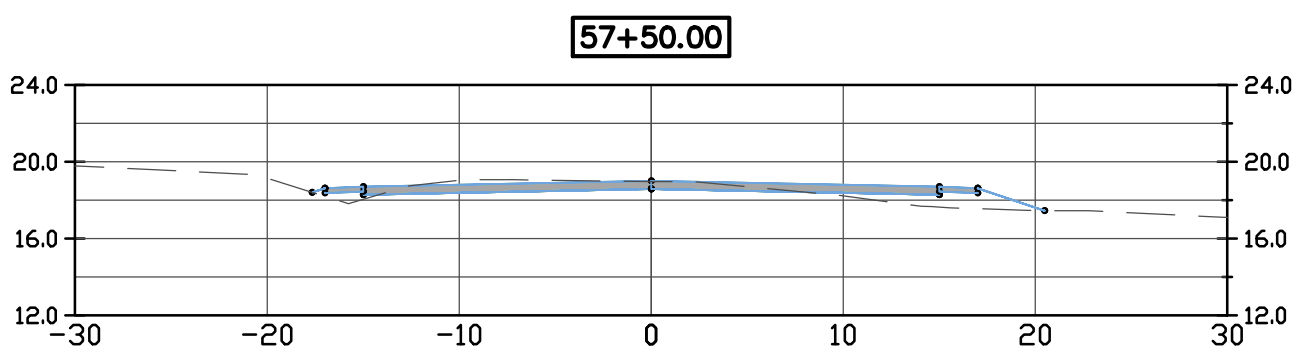
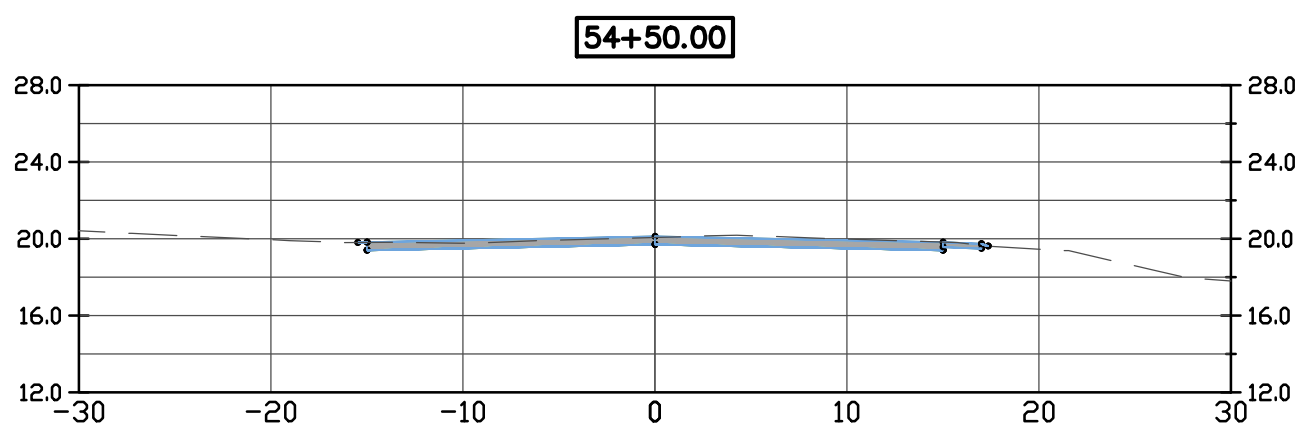
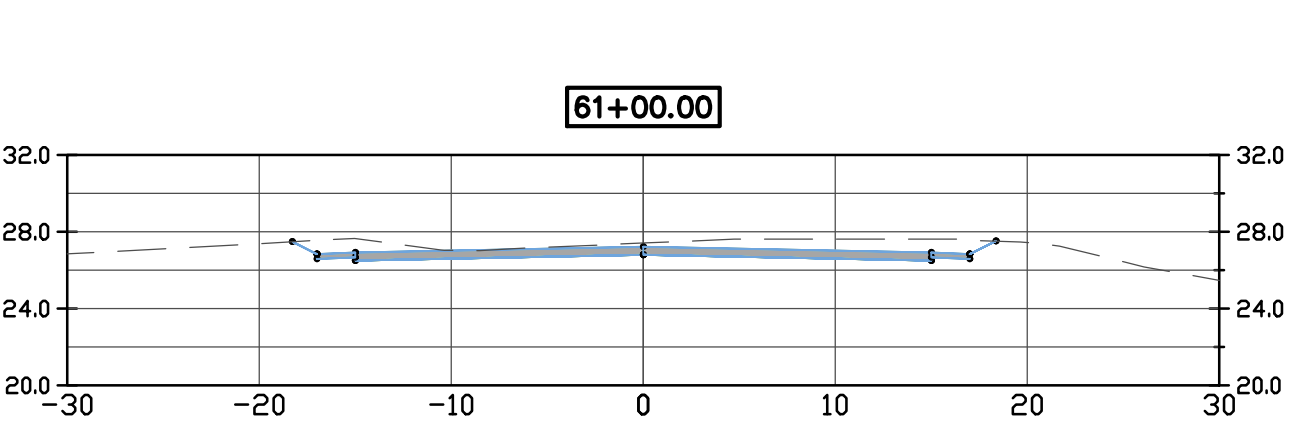
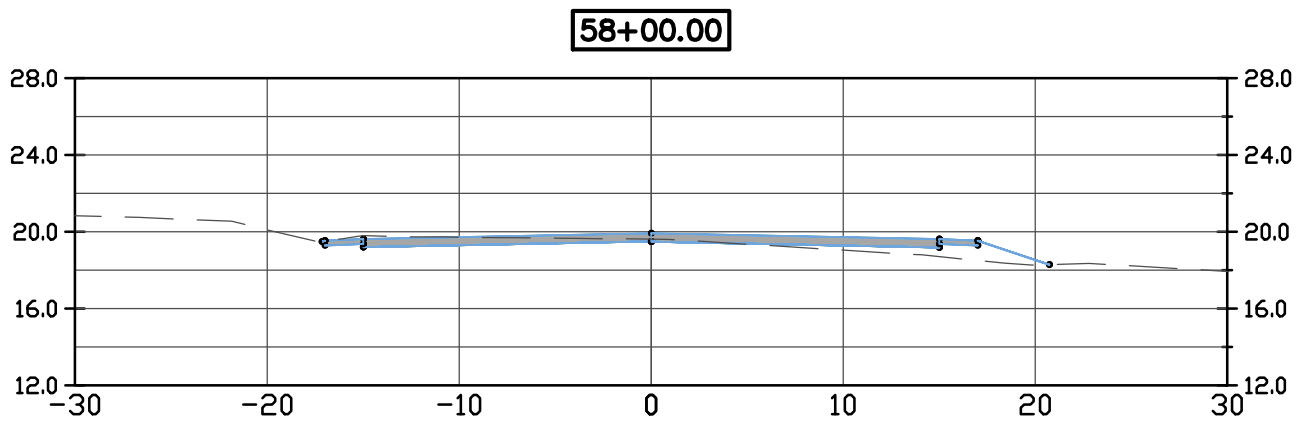
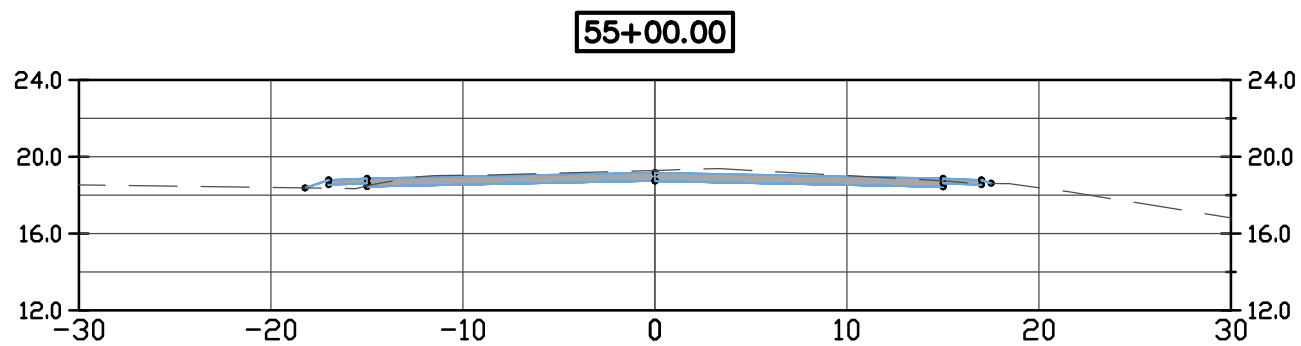
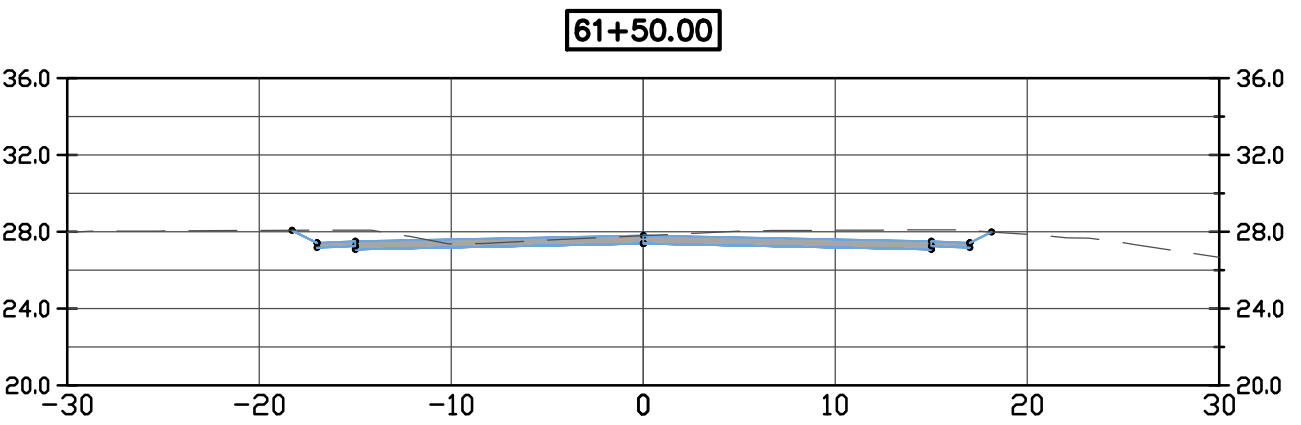
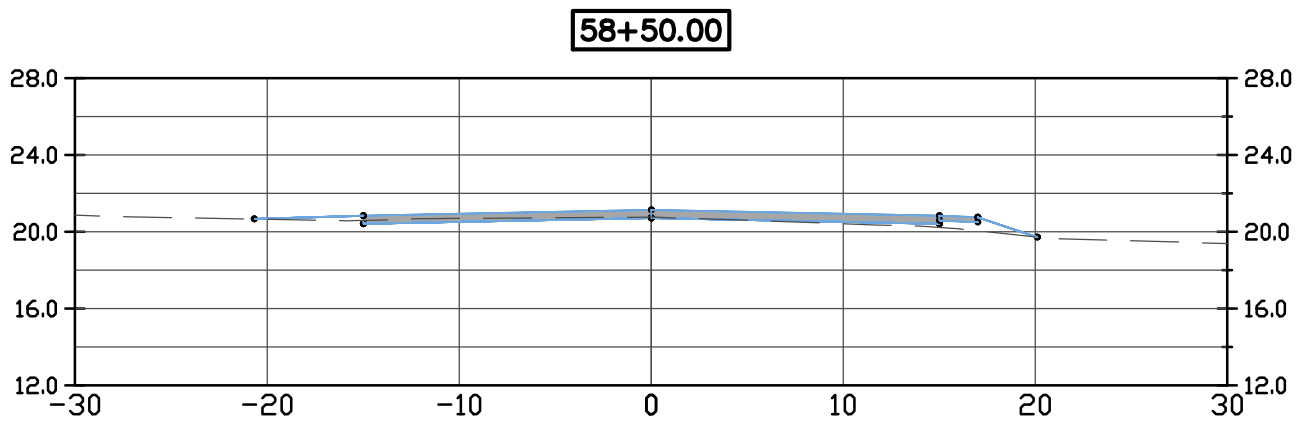
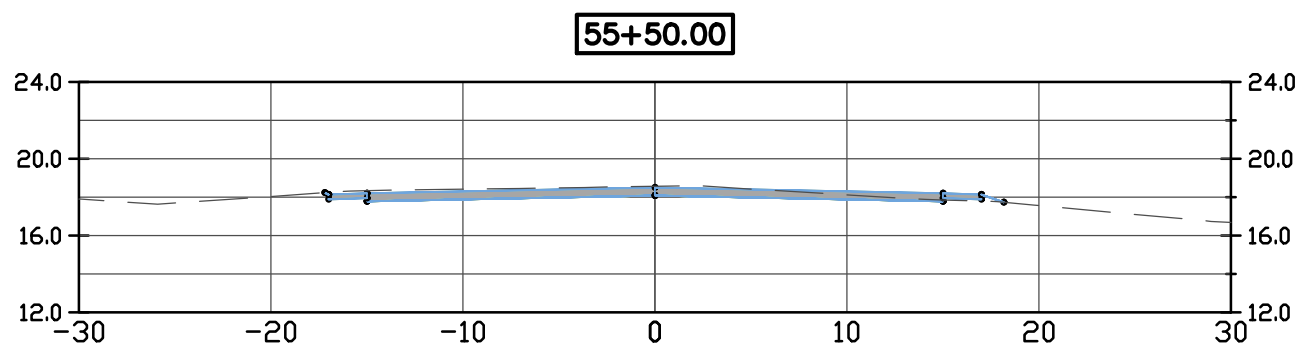
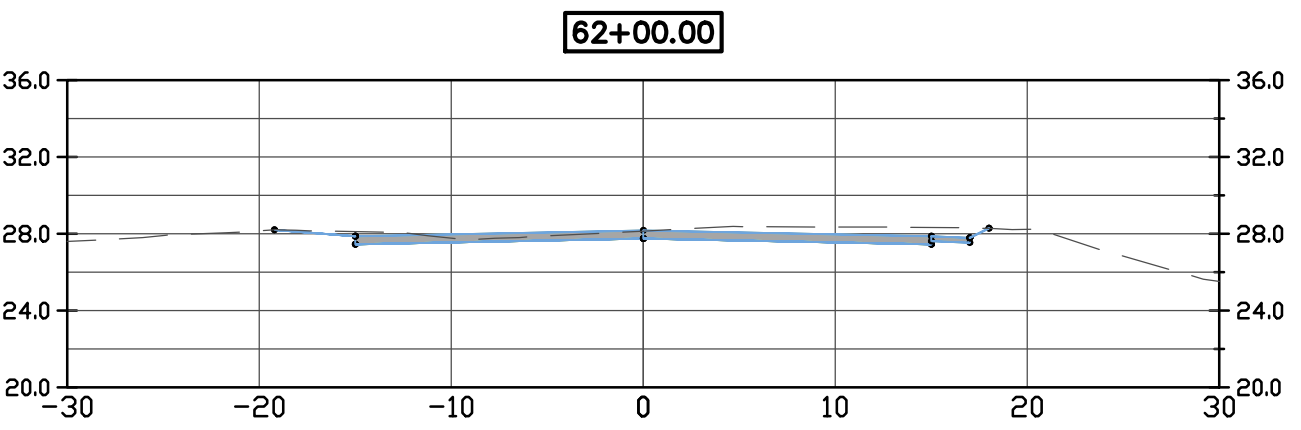
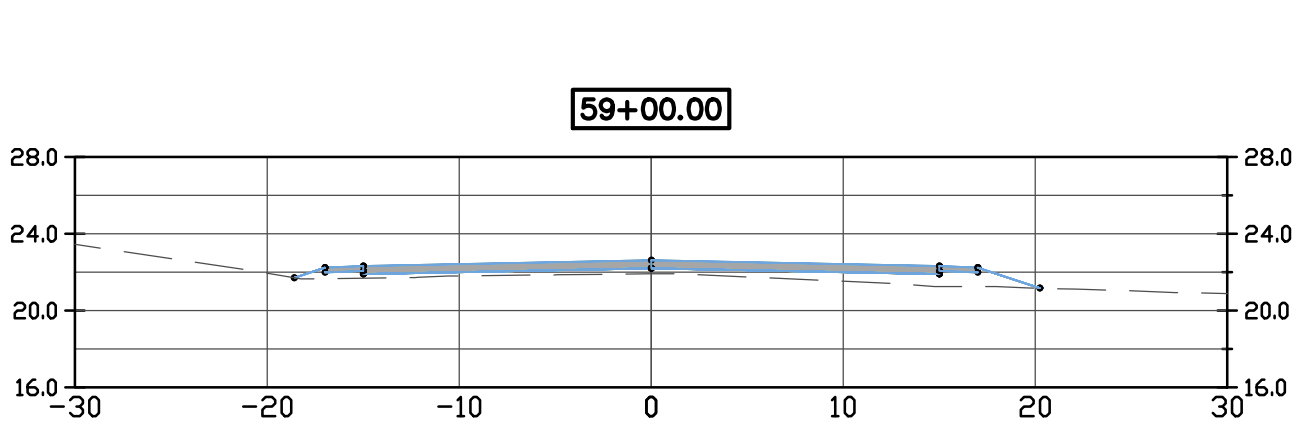
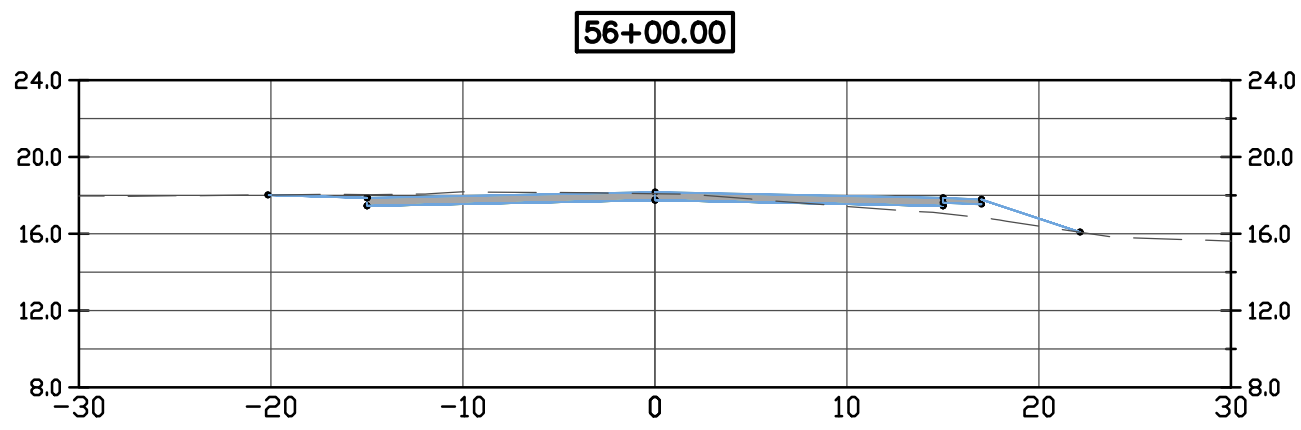
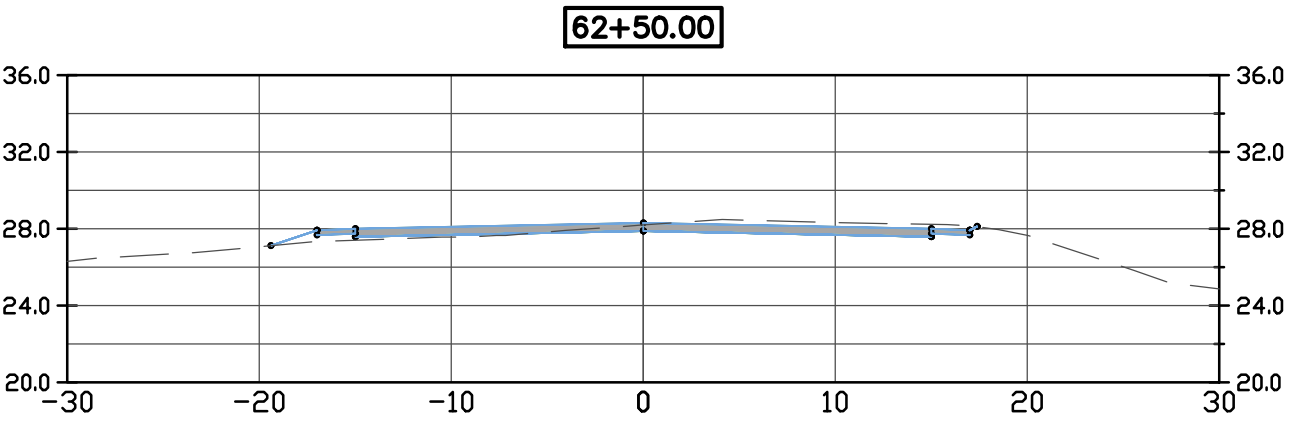
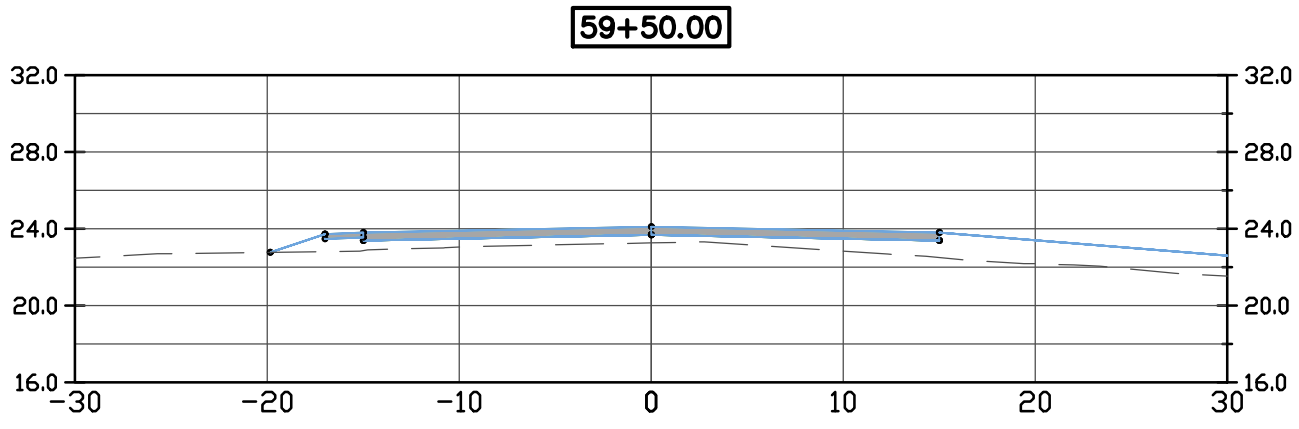
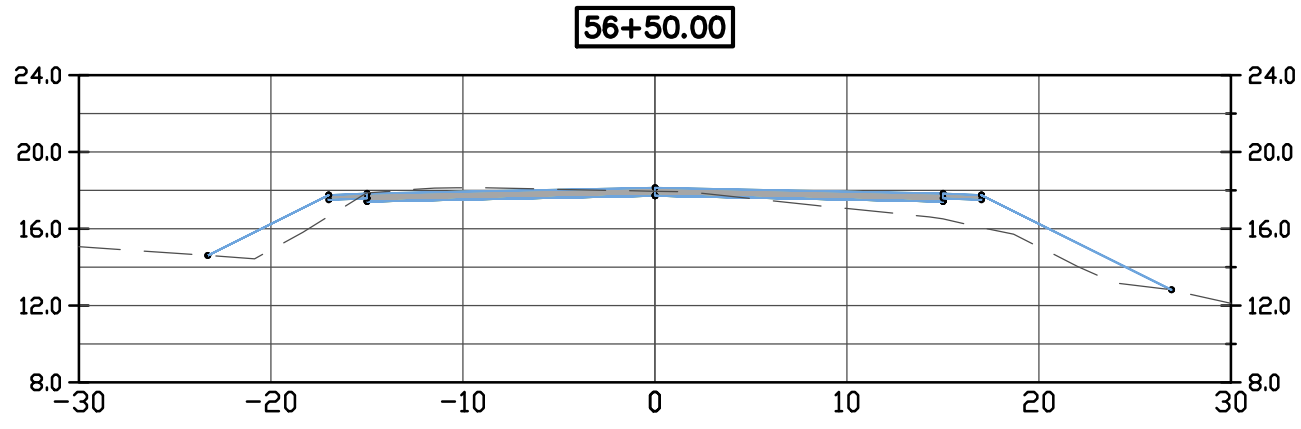
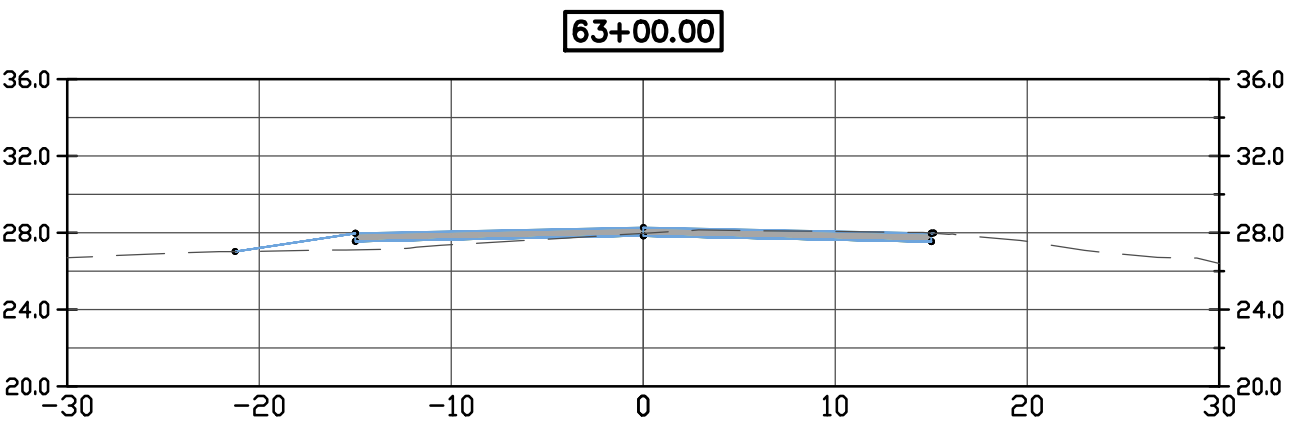
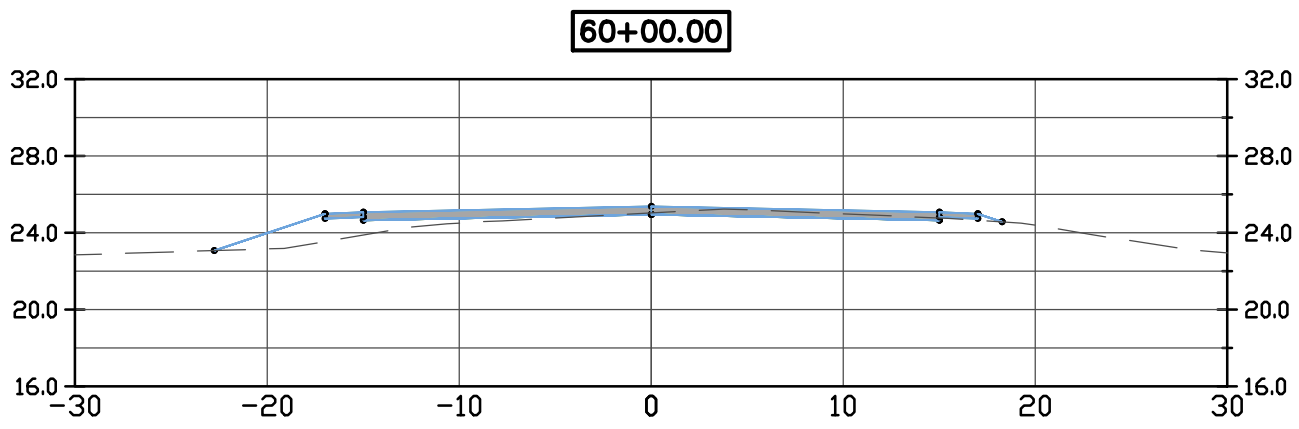
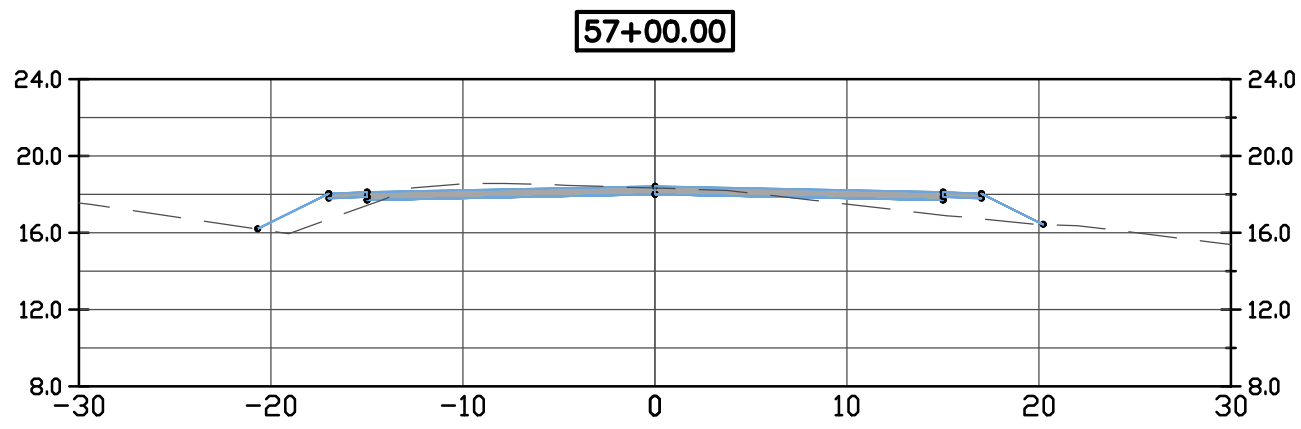
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 7

SHEET NO:

C-307



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

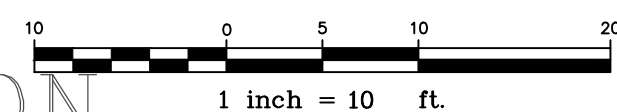
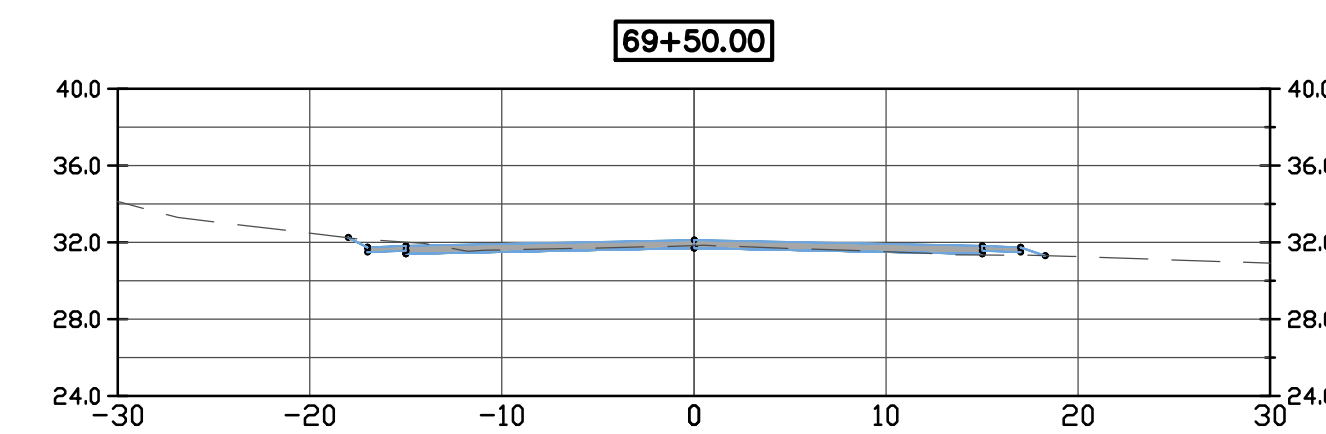
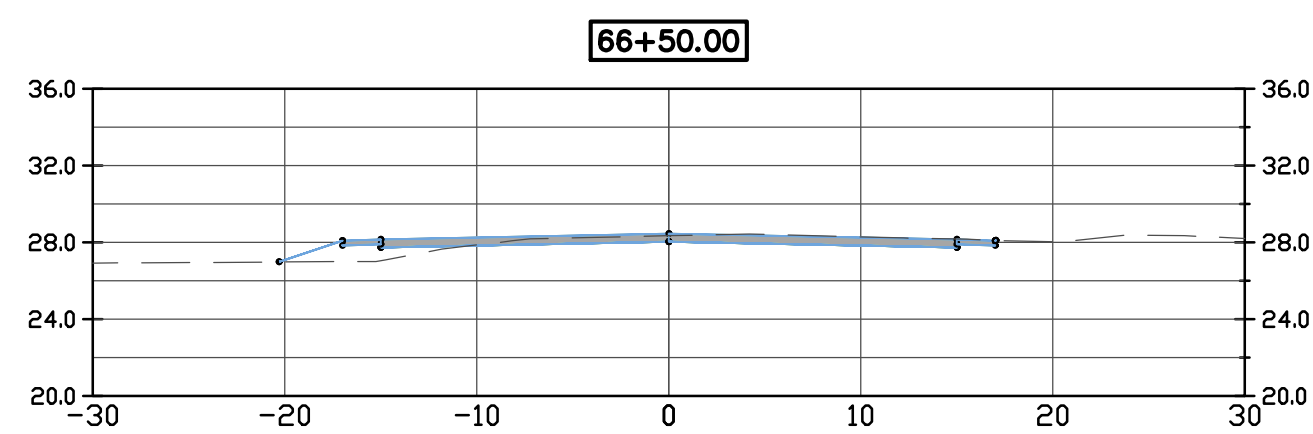
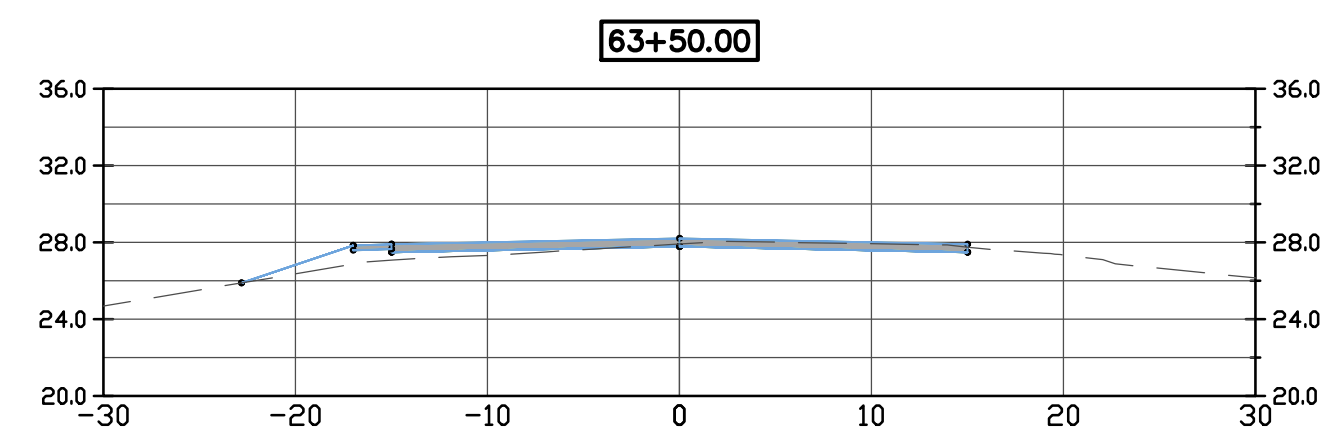
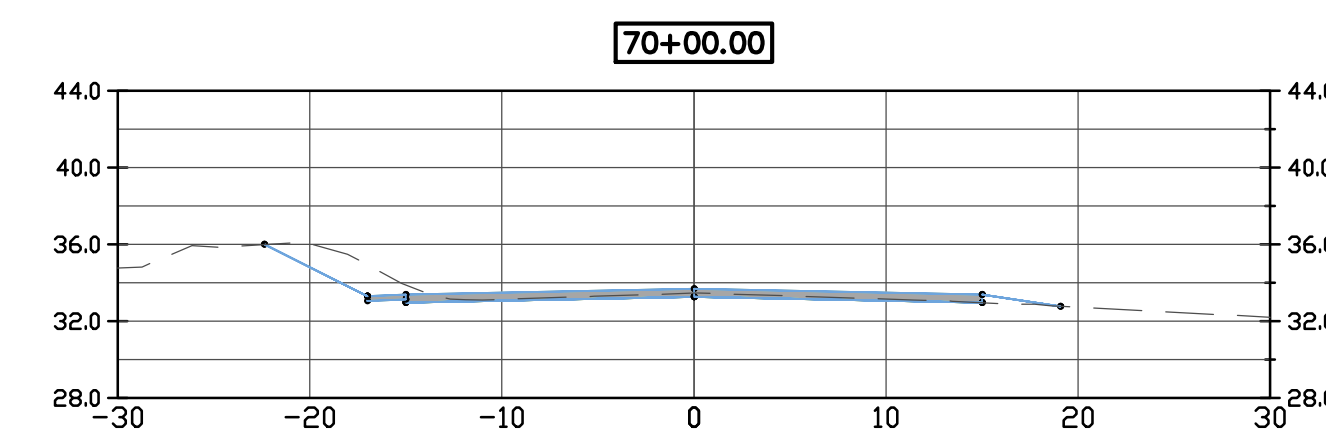
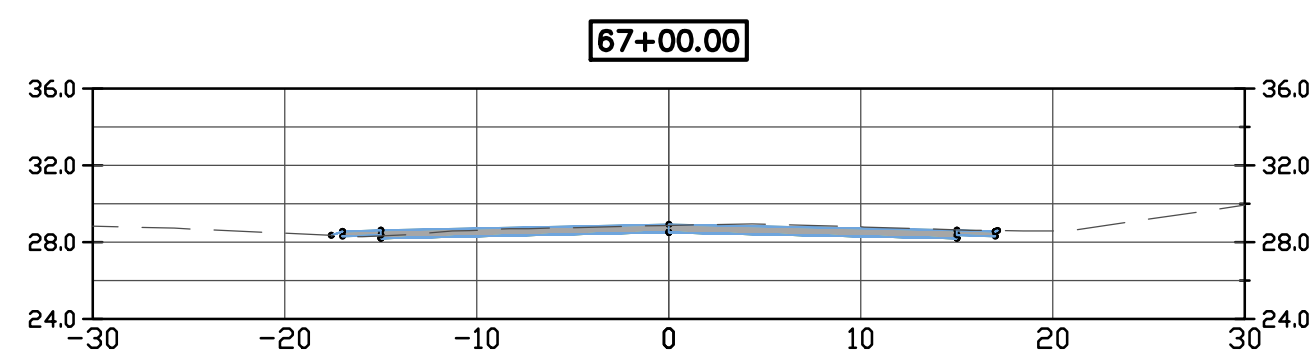
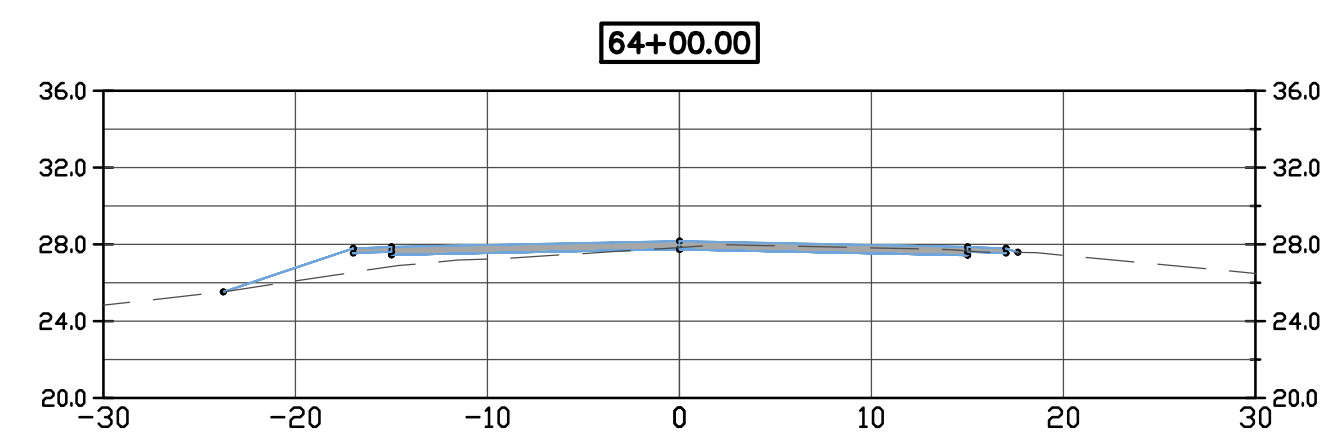
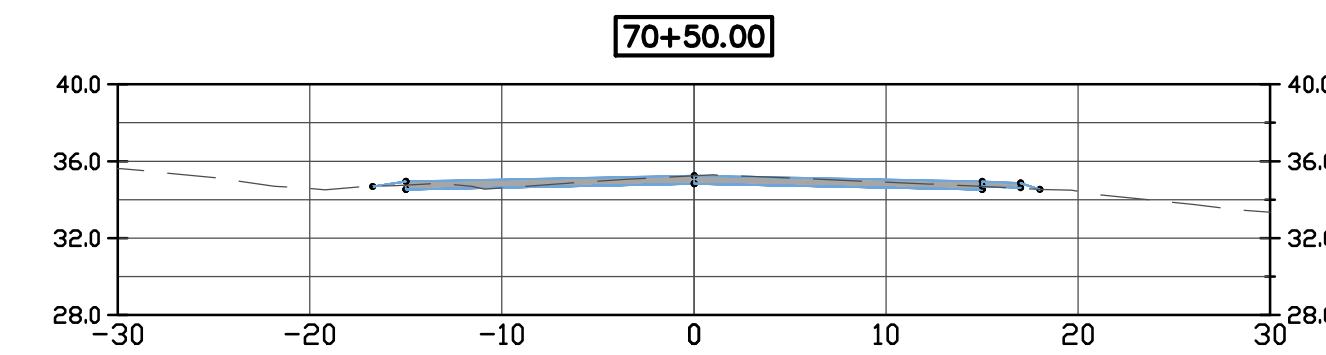
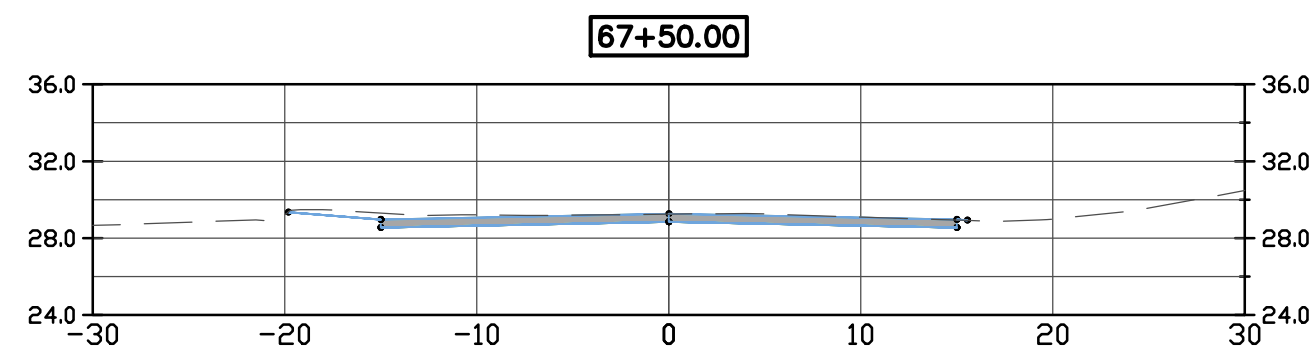
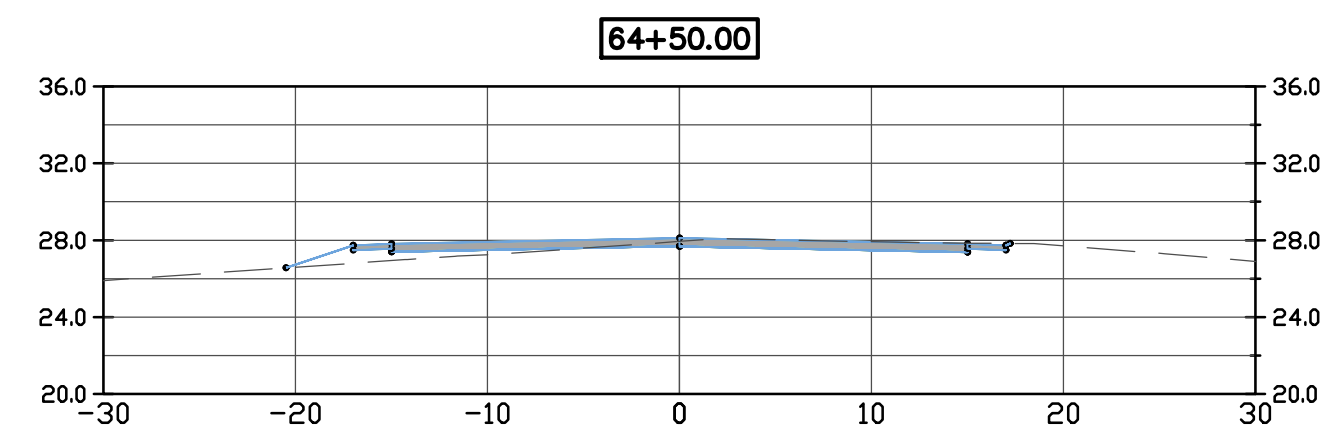
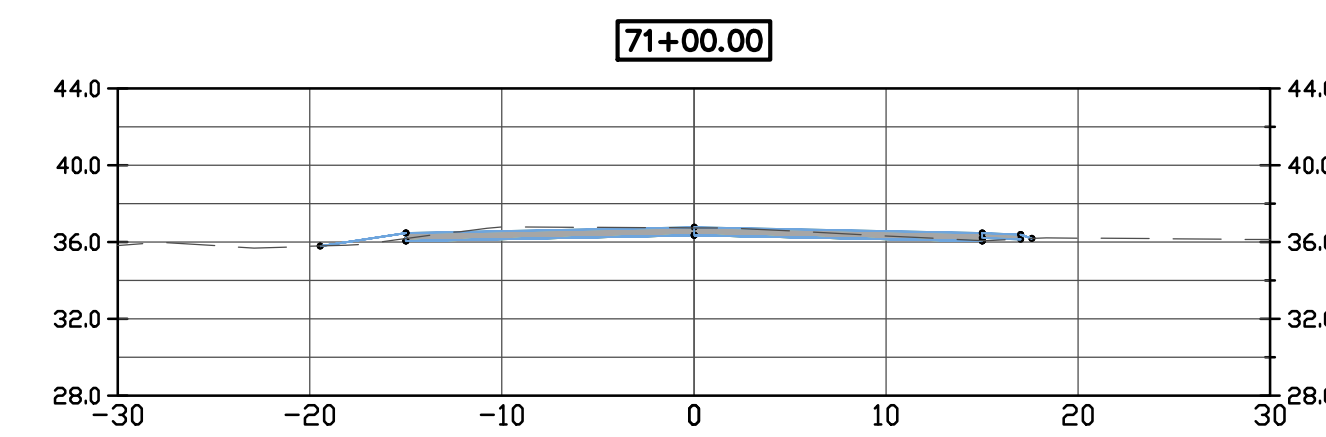
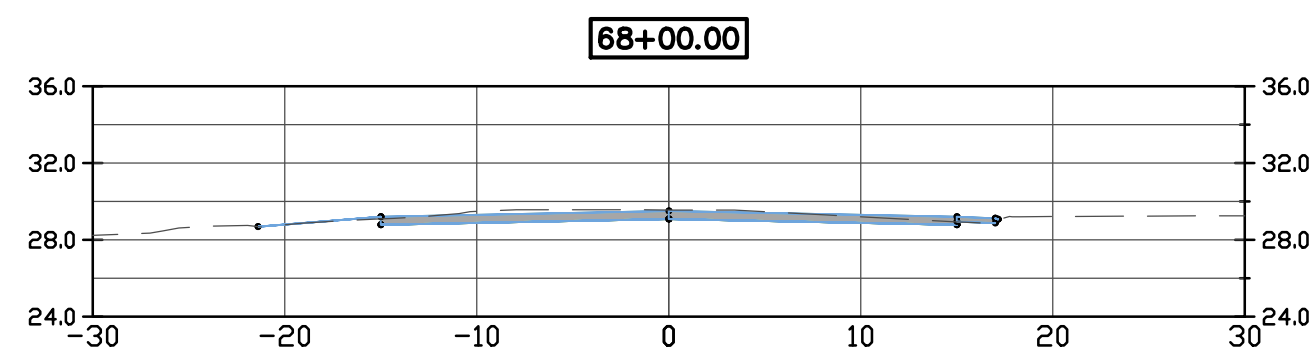
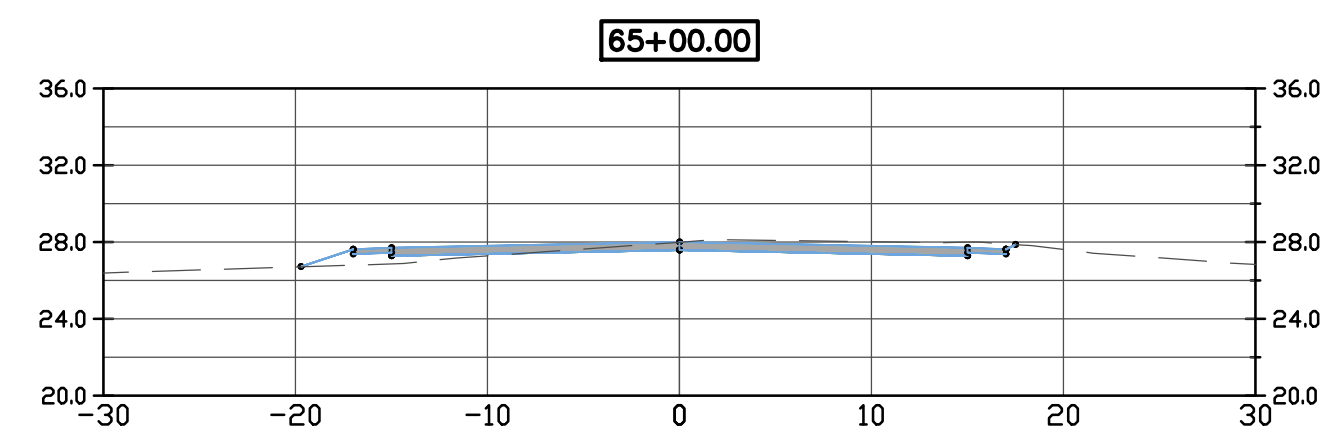
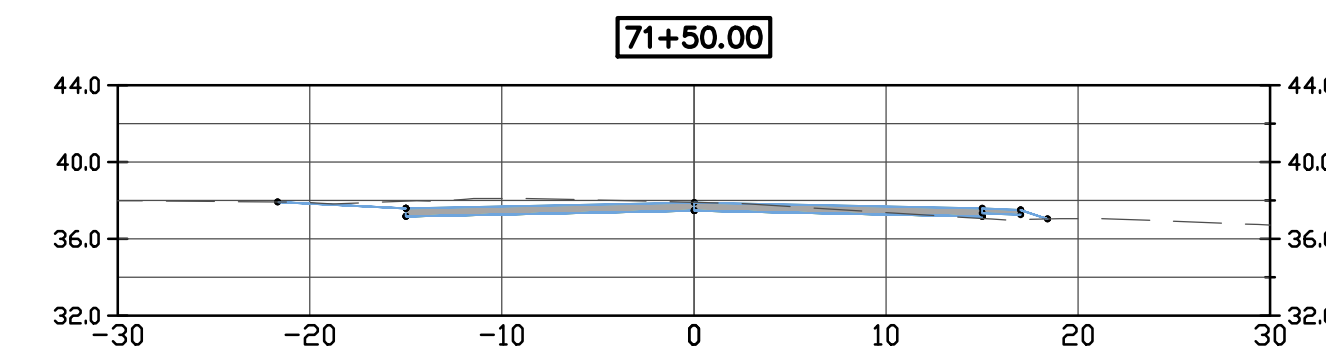
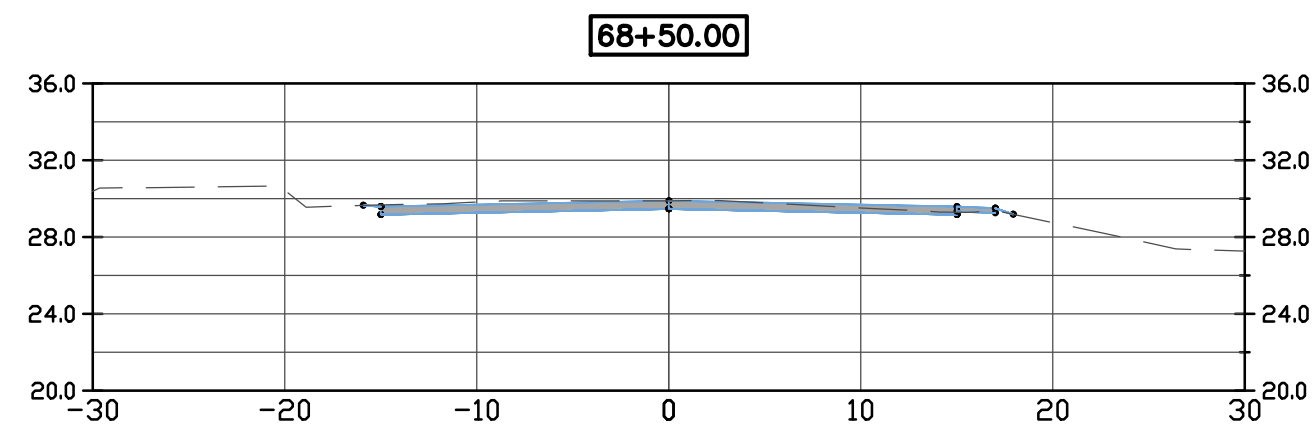
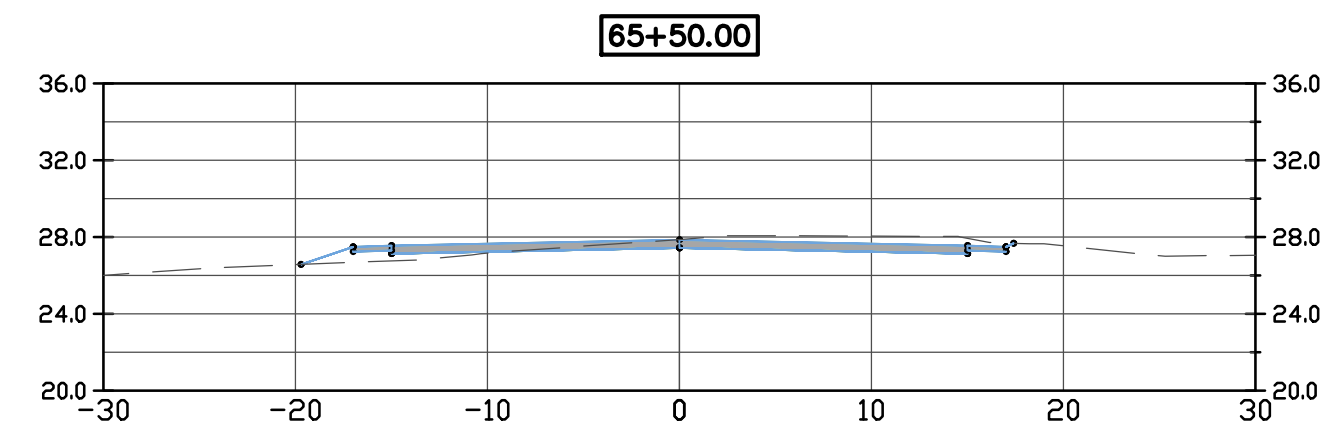
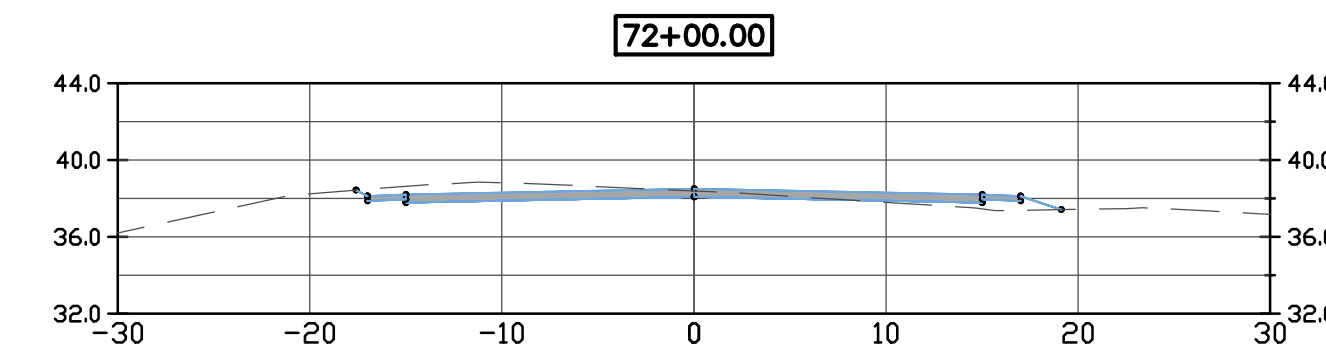
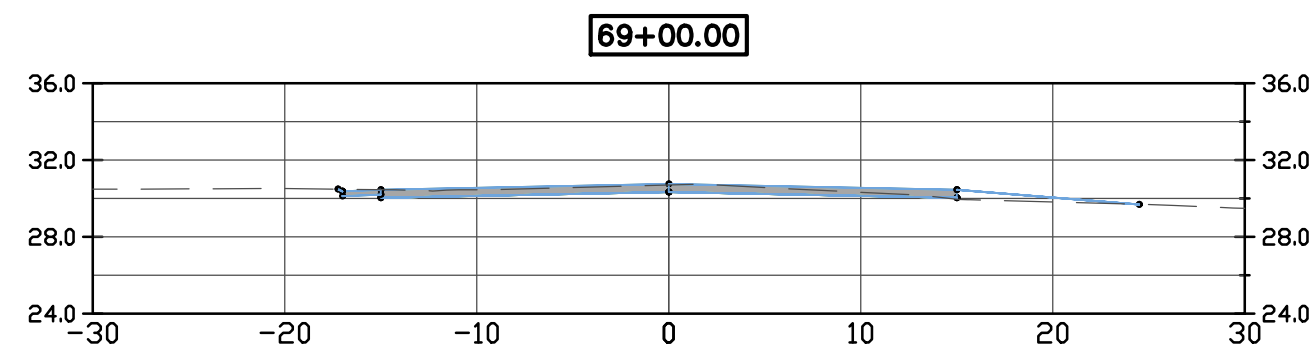
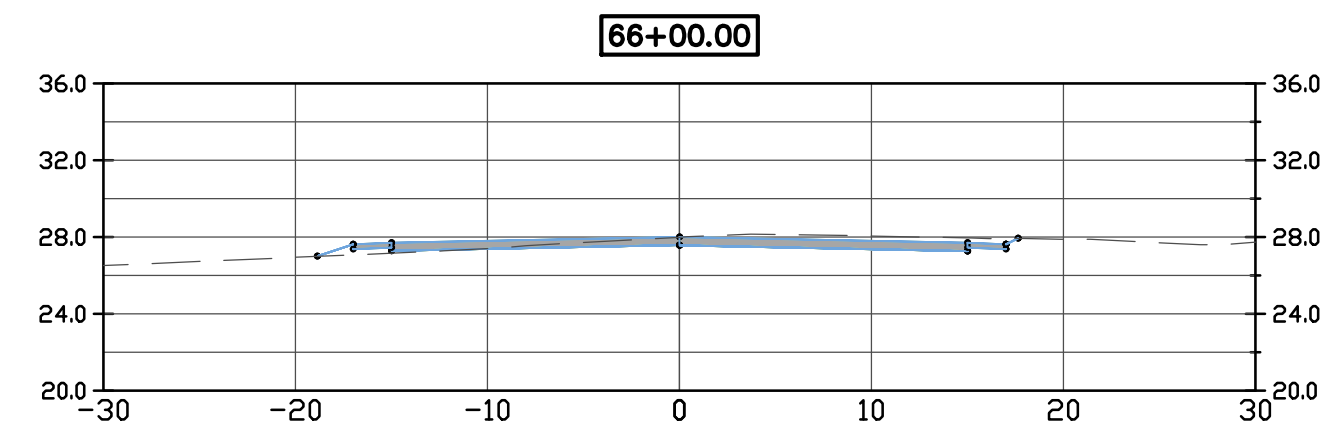
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 8

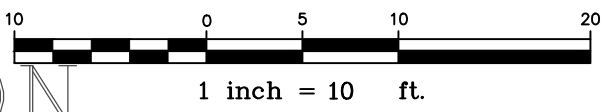
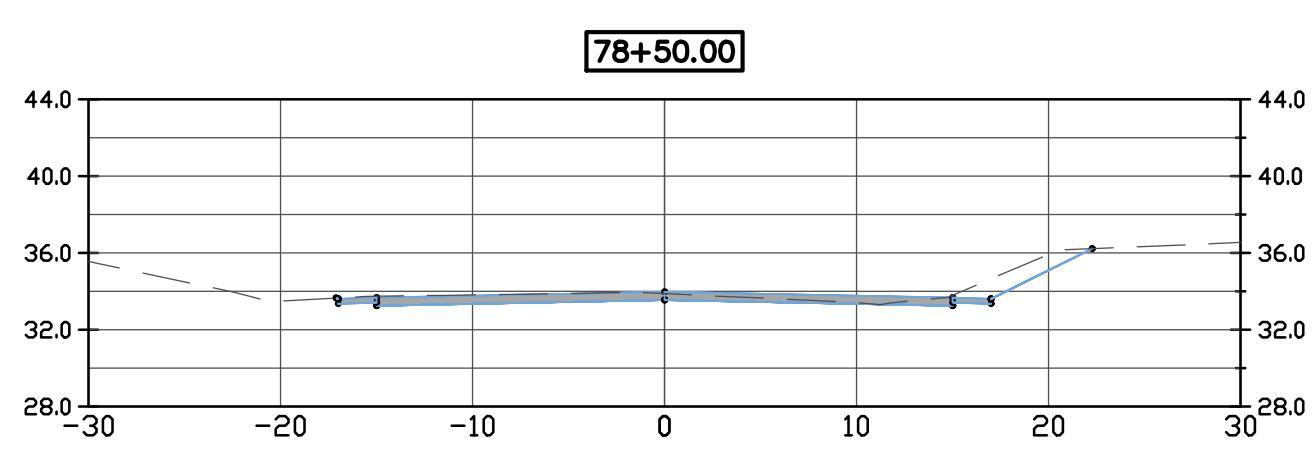
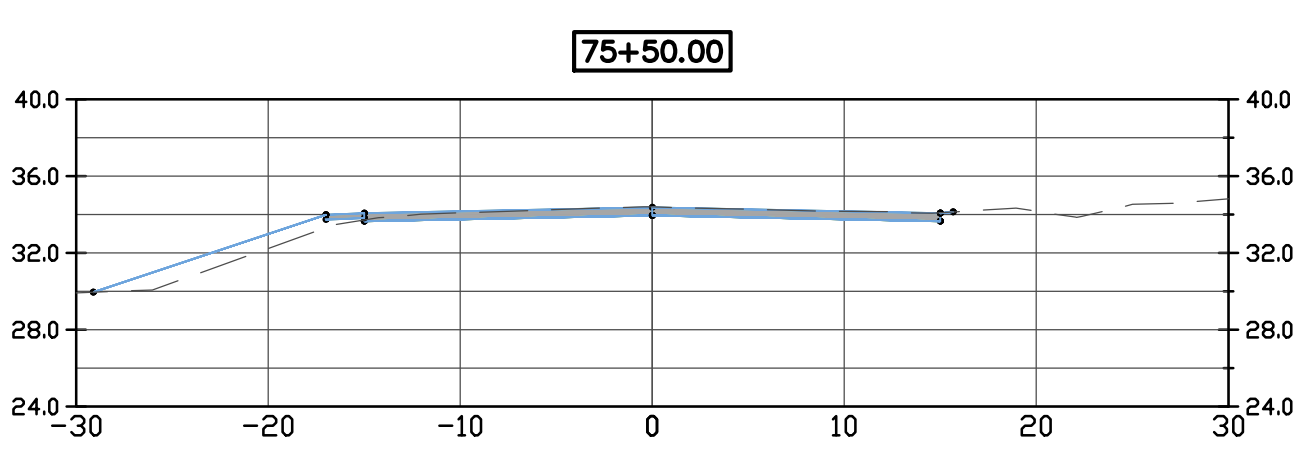
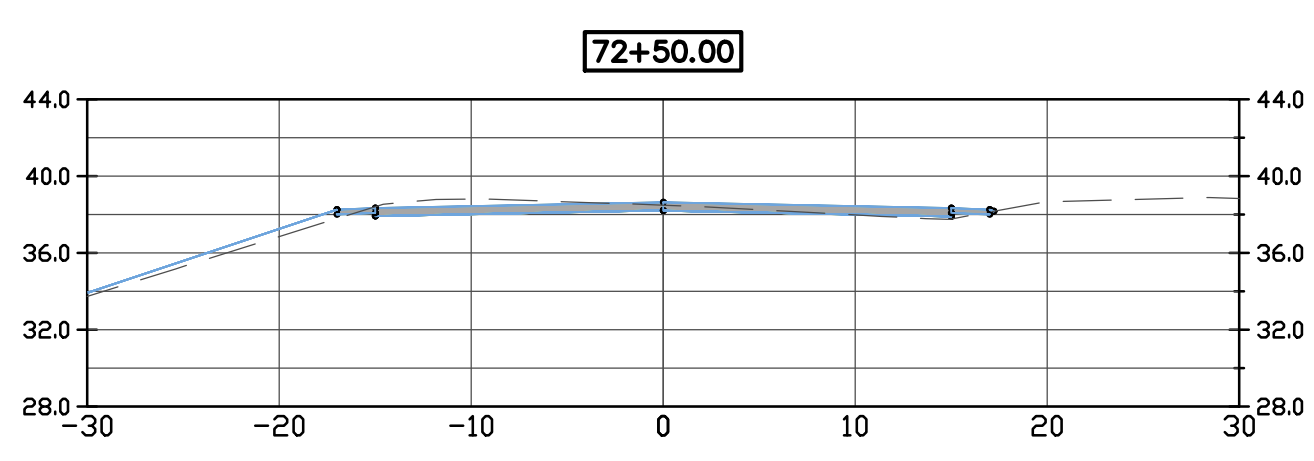
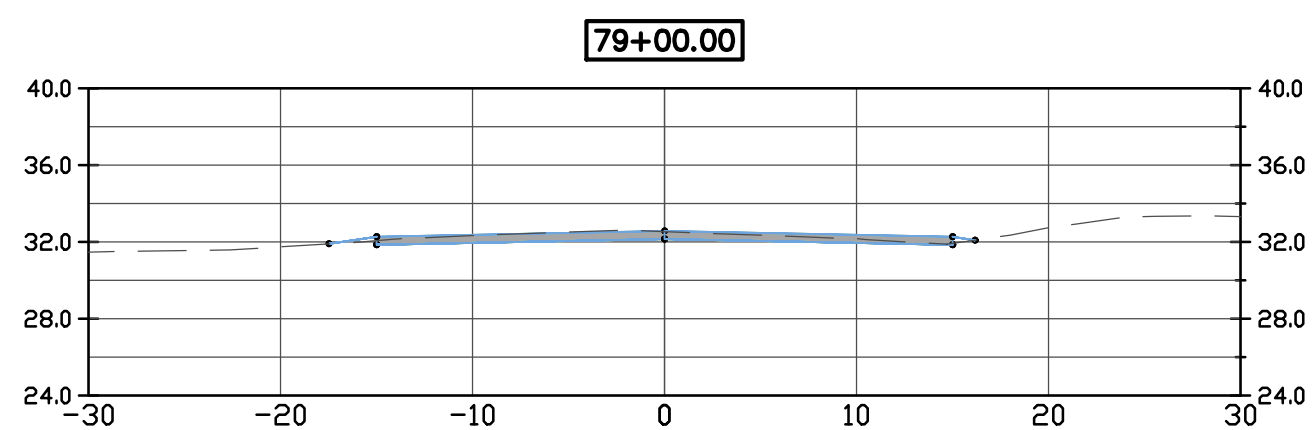
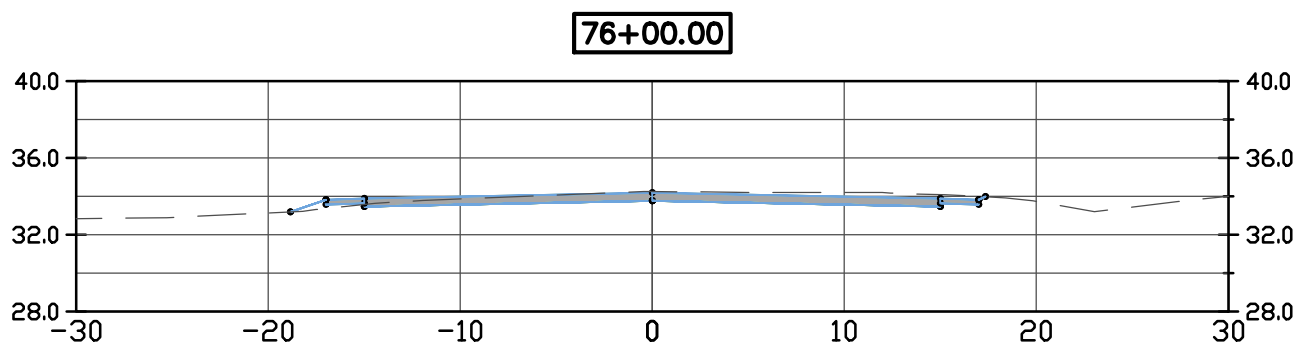
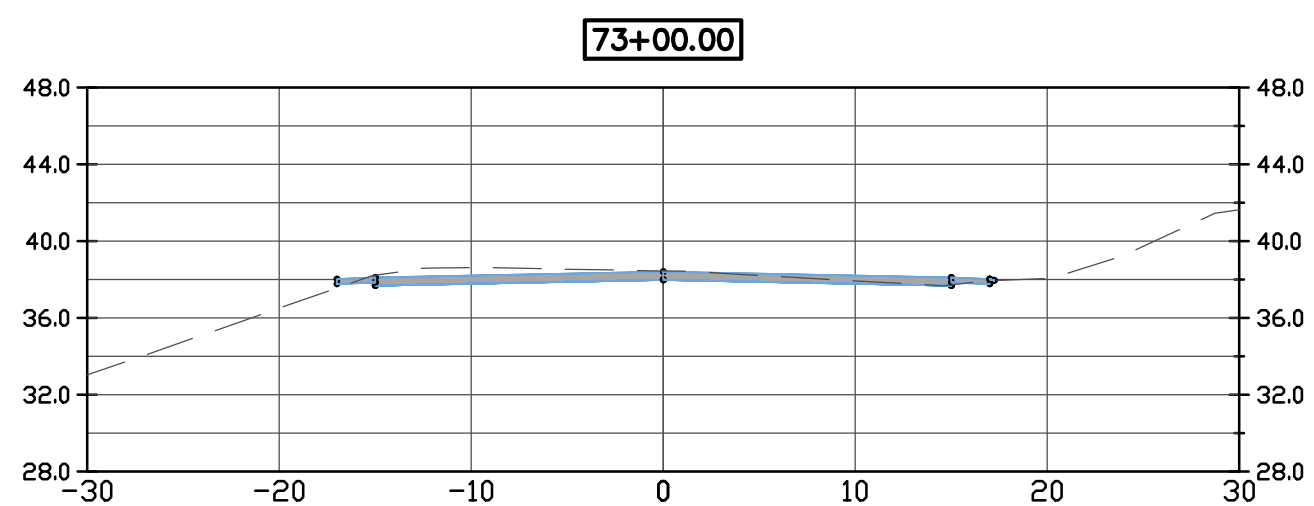
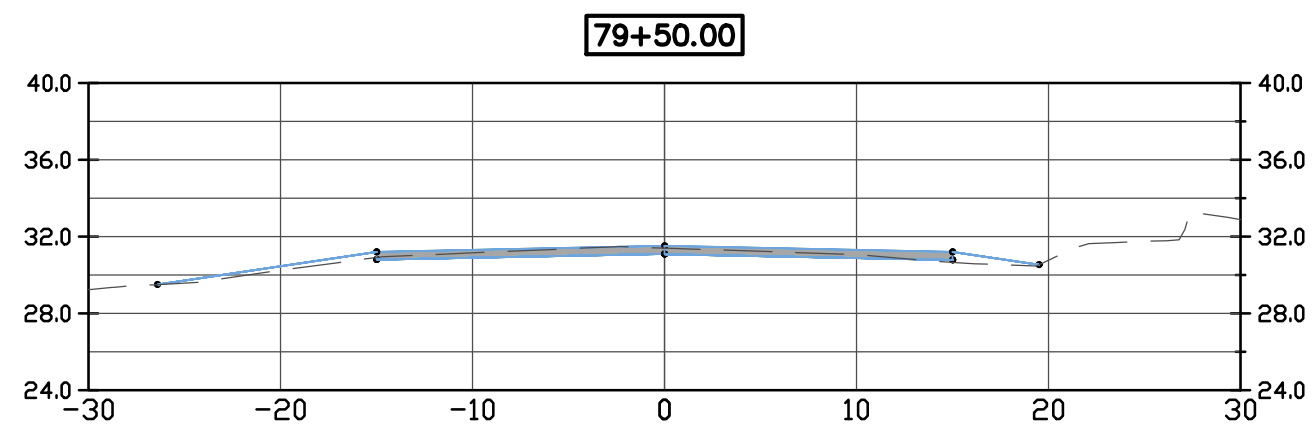
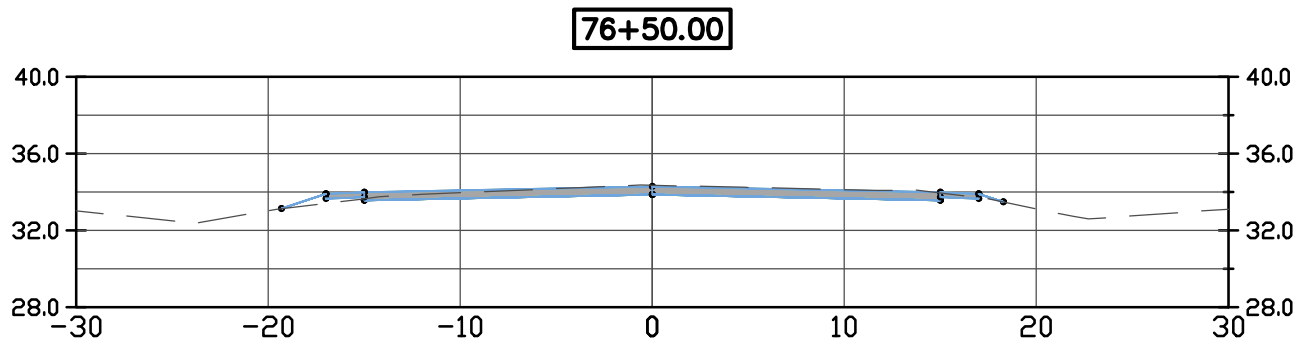
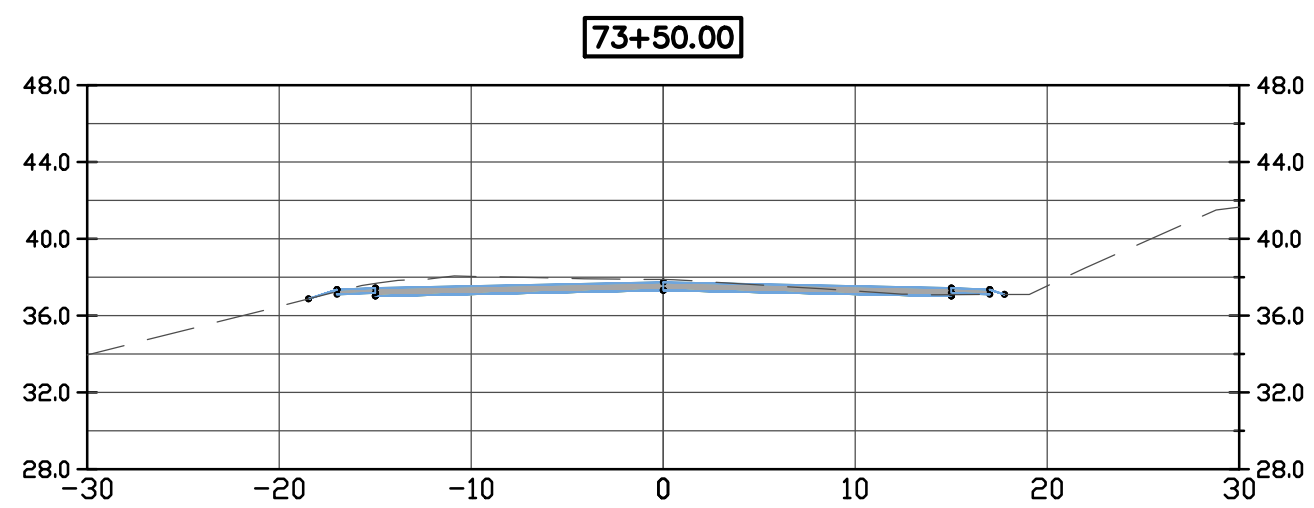
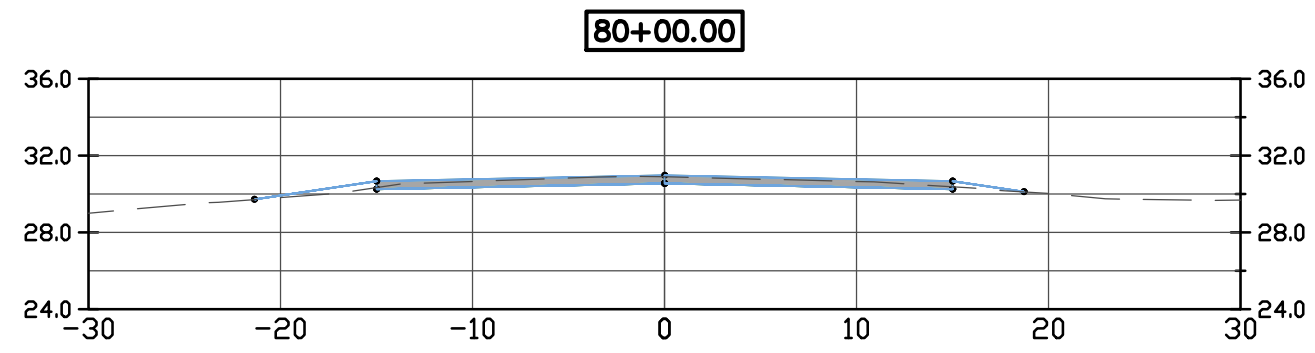
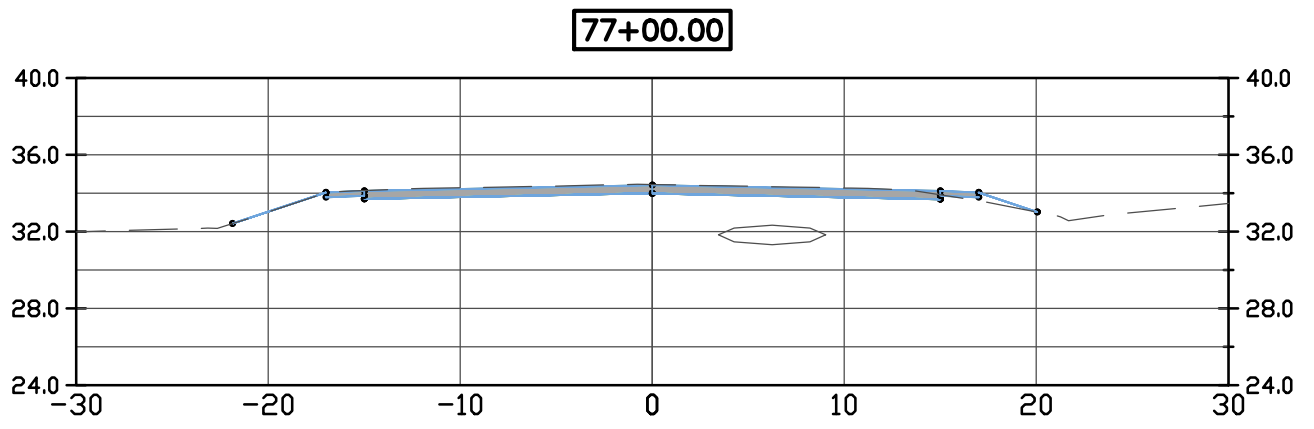
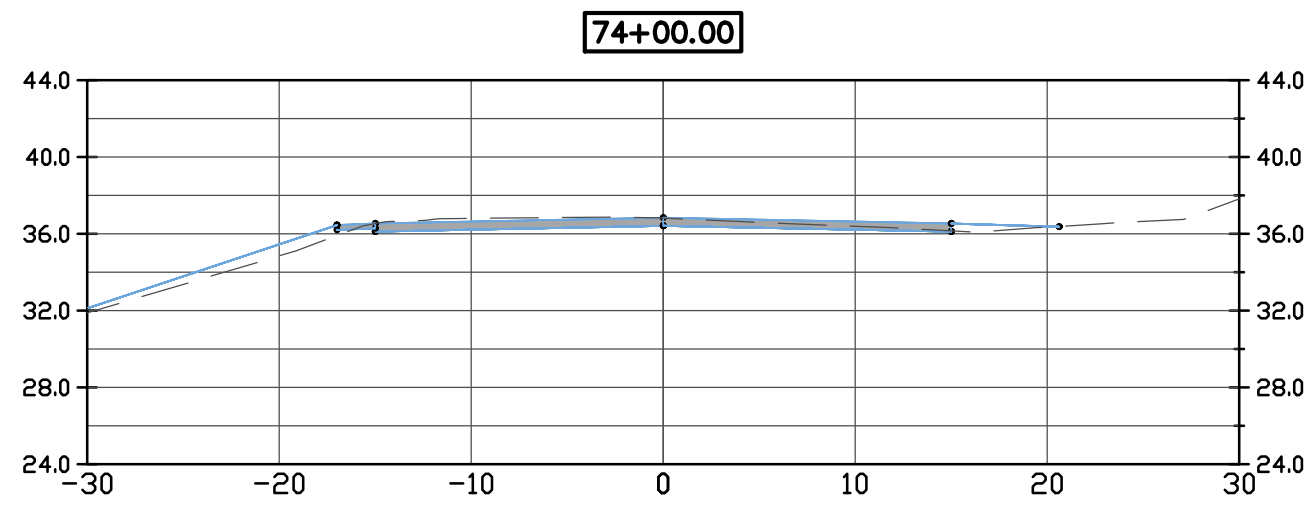
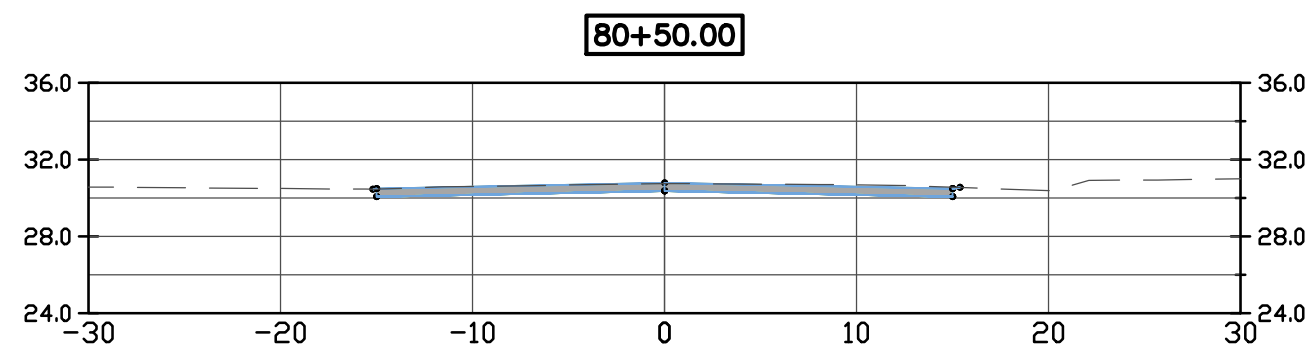
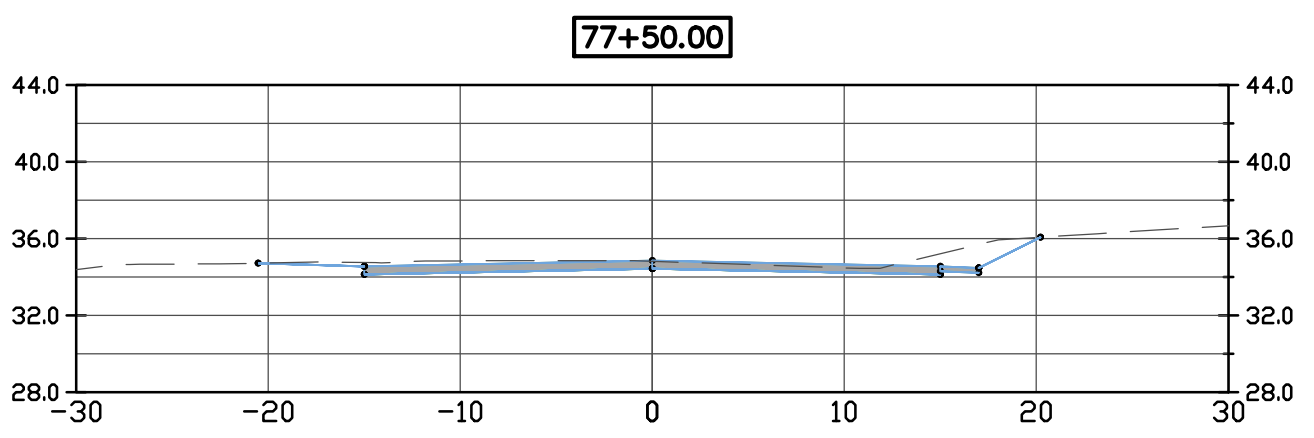
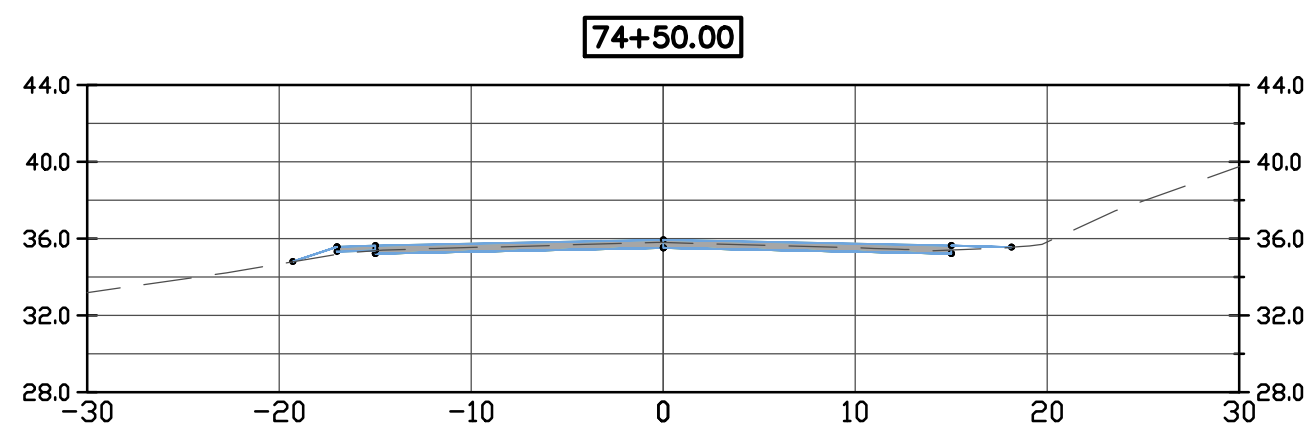
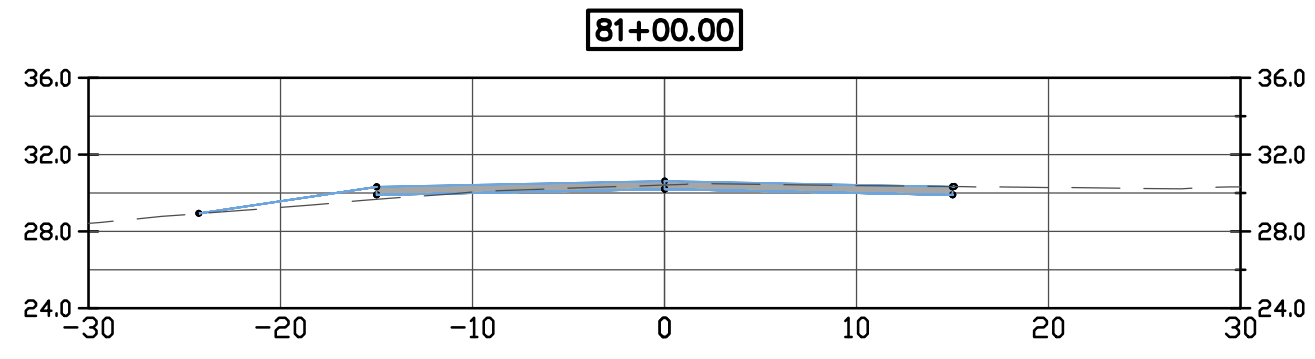
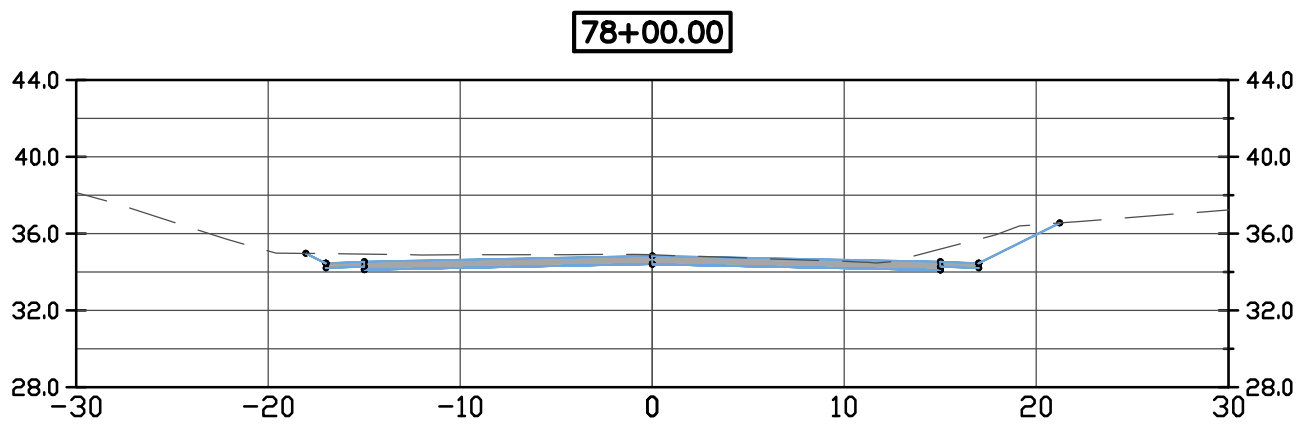
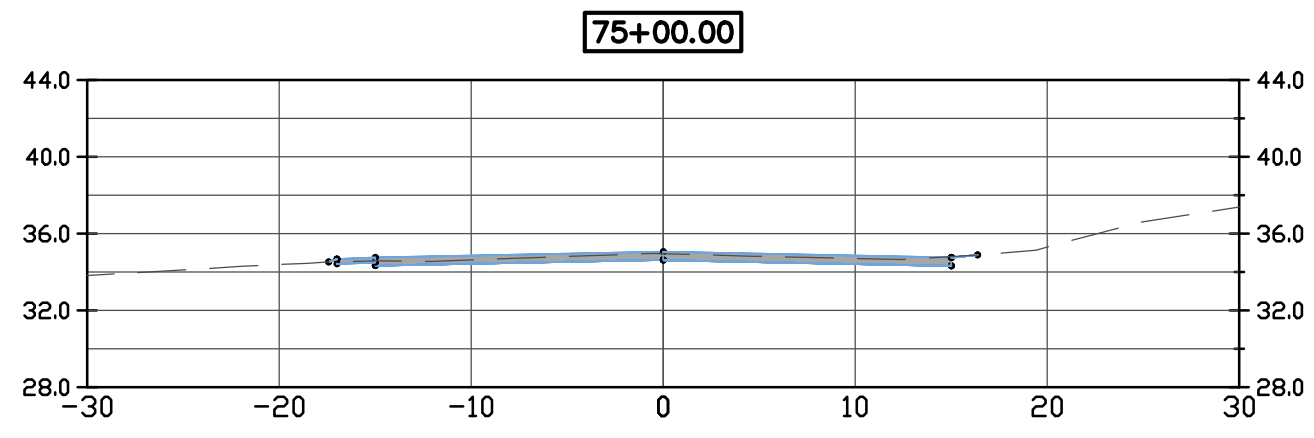
SHEET NO:

C-308



M:\Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004_GRA09.dwg 2/4/2022 1:47:05 PM

50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

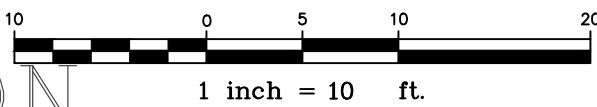
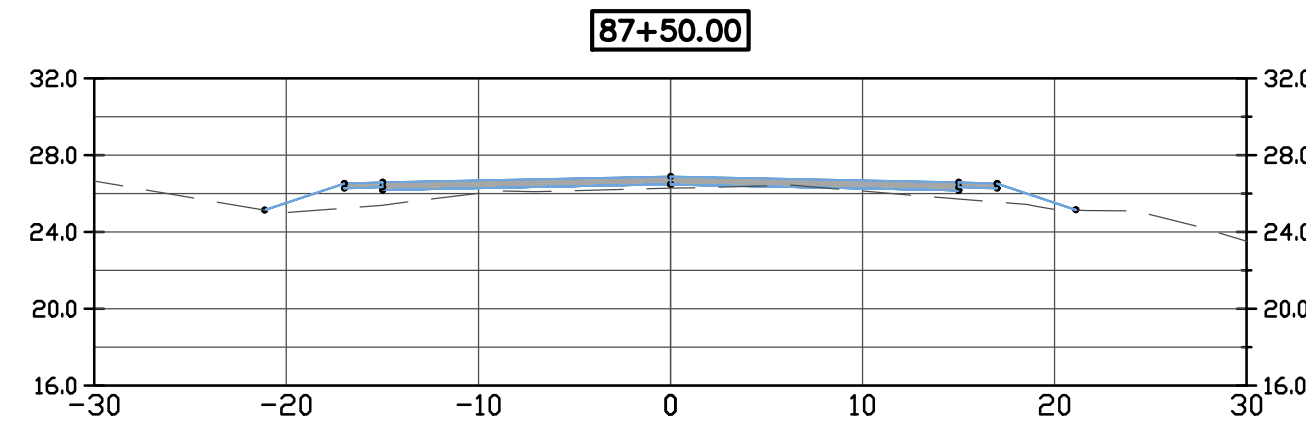
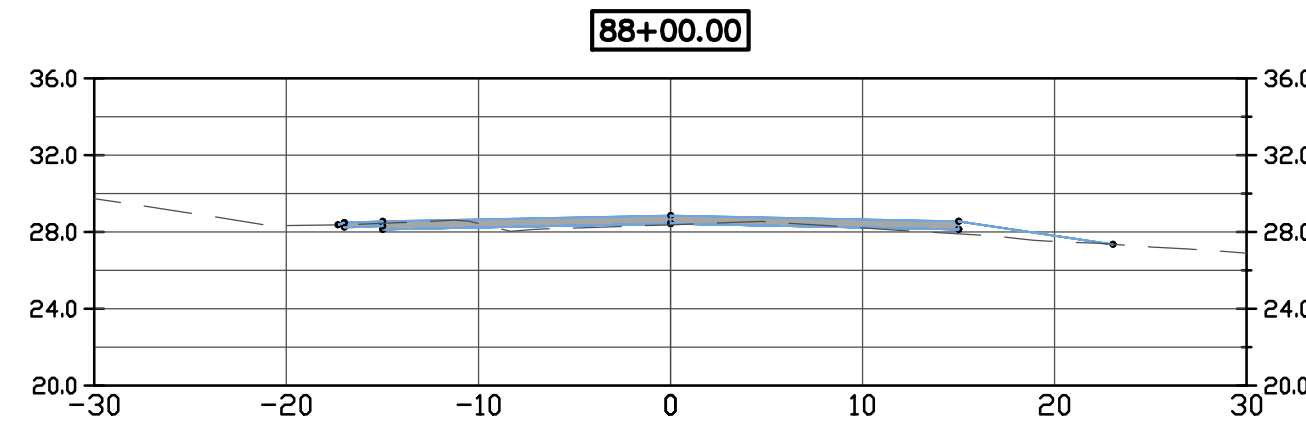
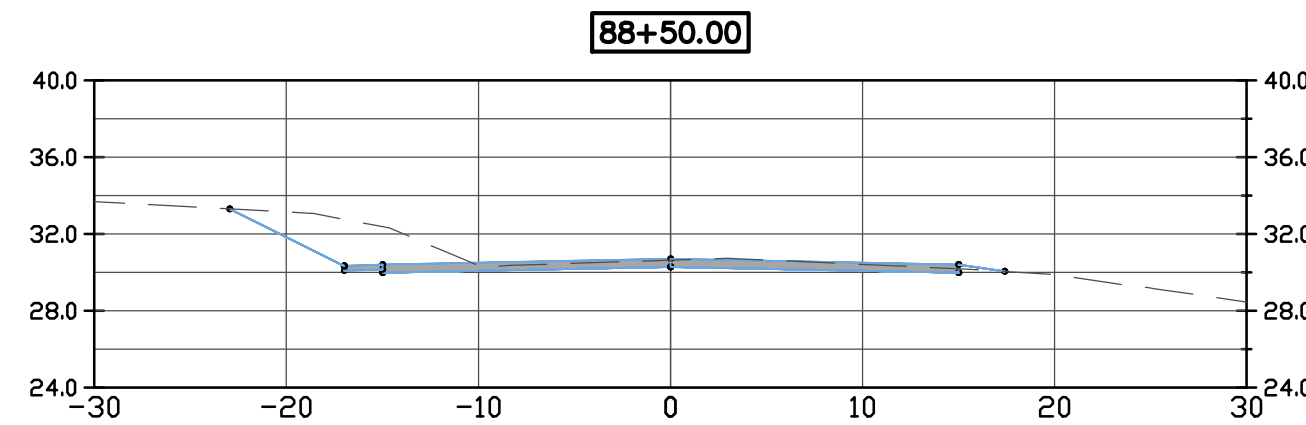
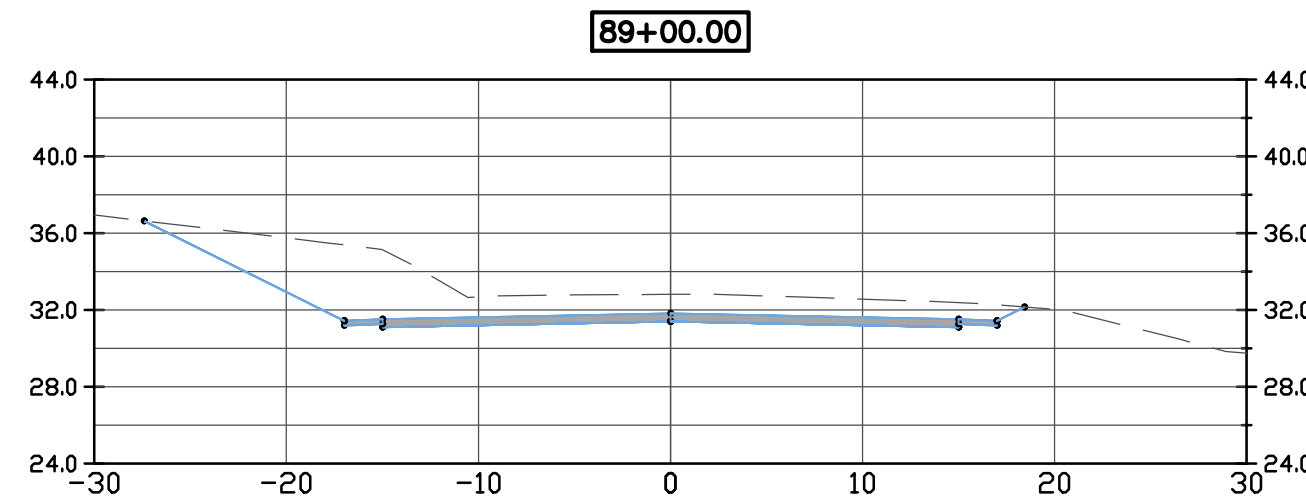
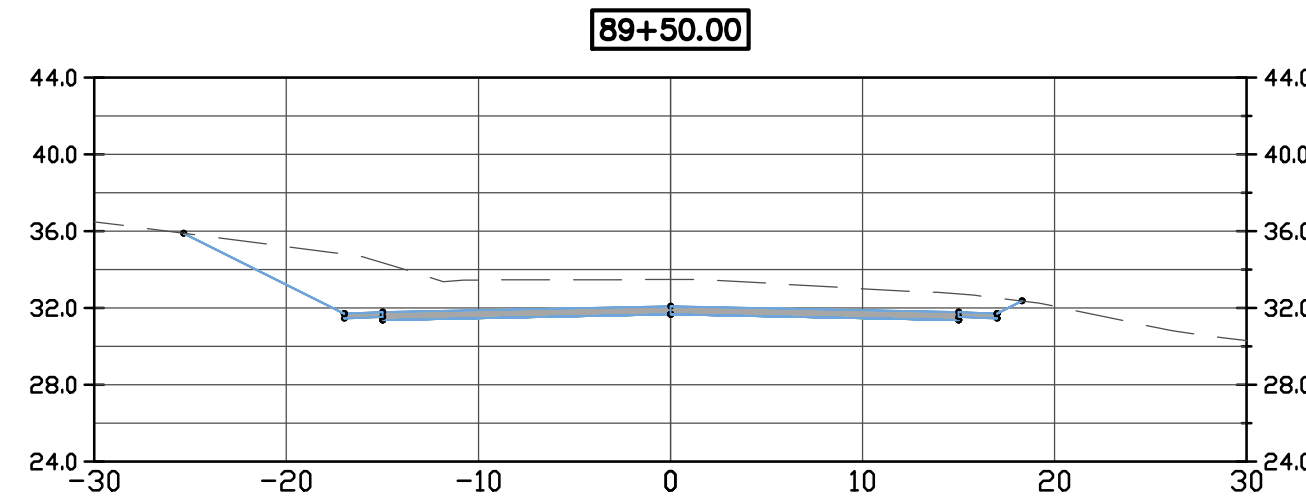
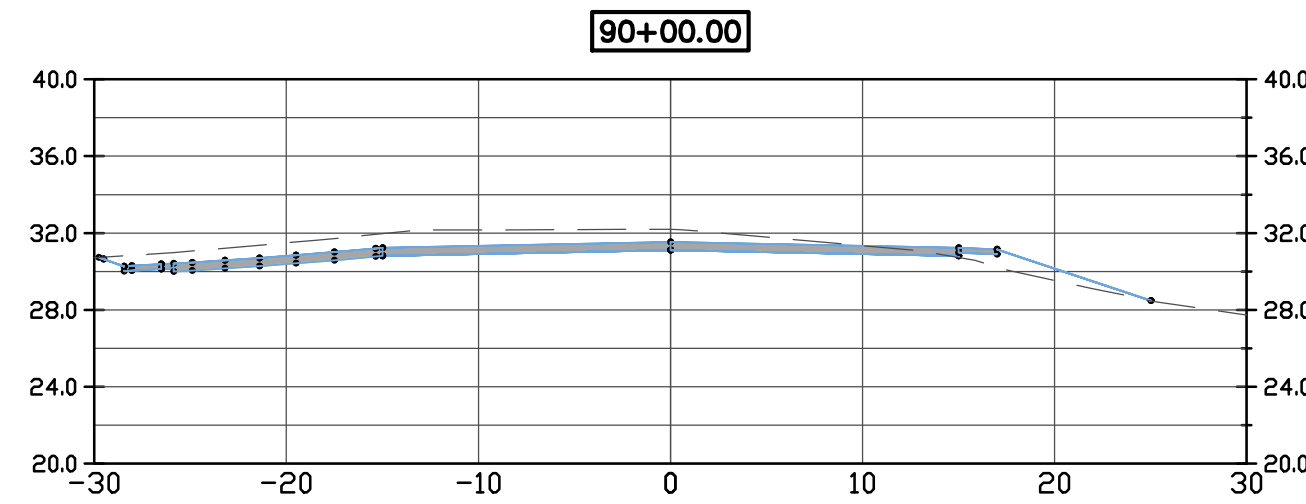
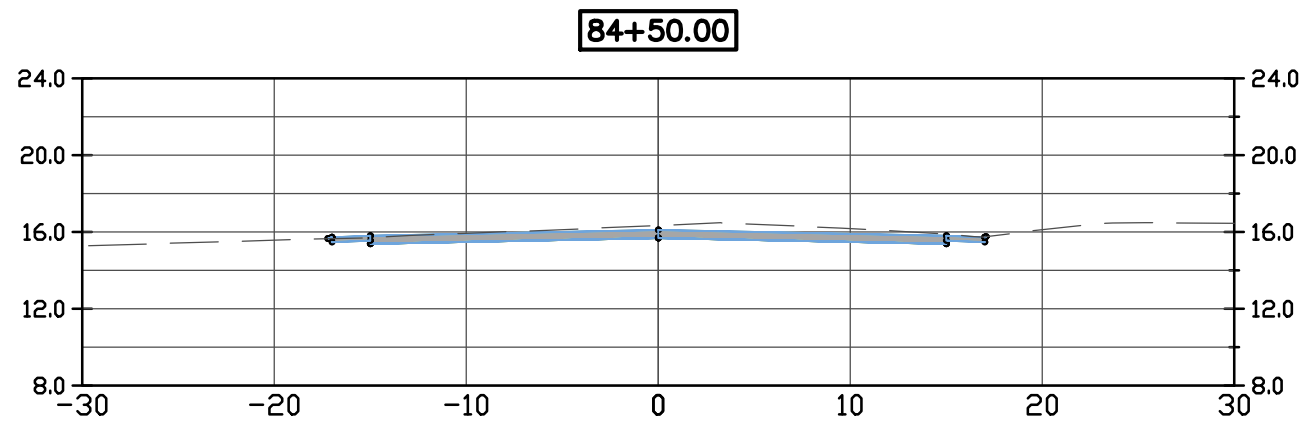
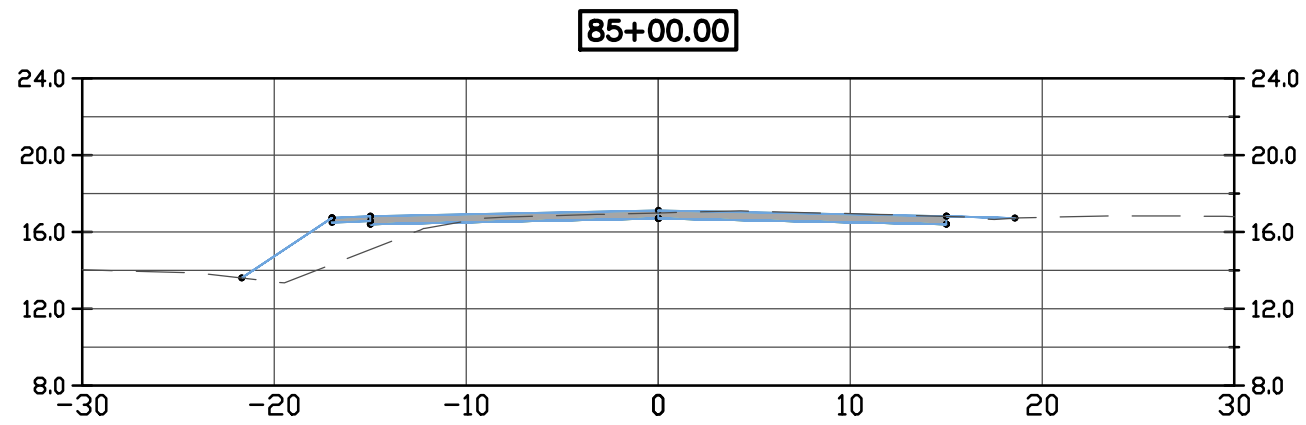
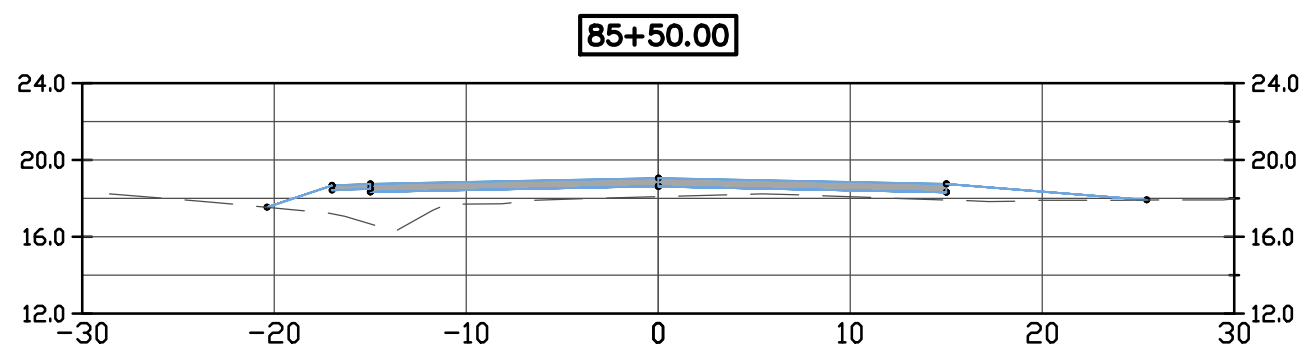
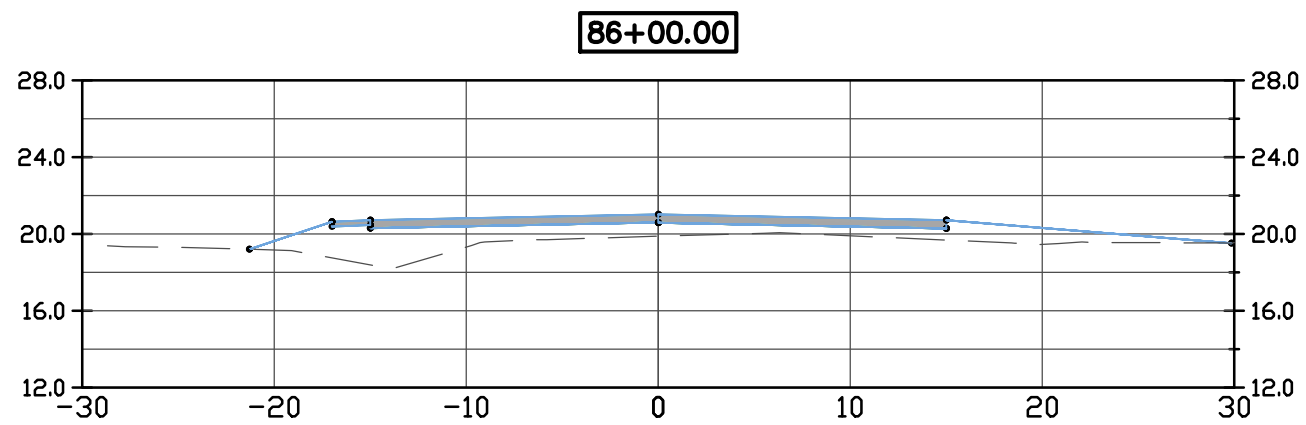
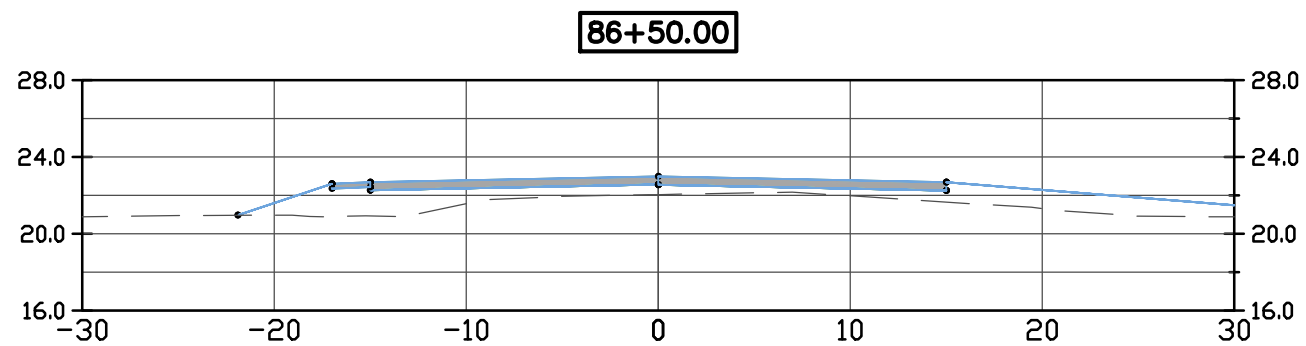
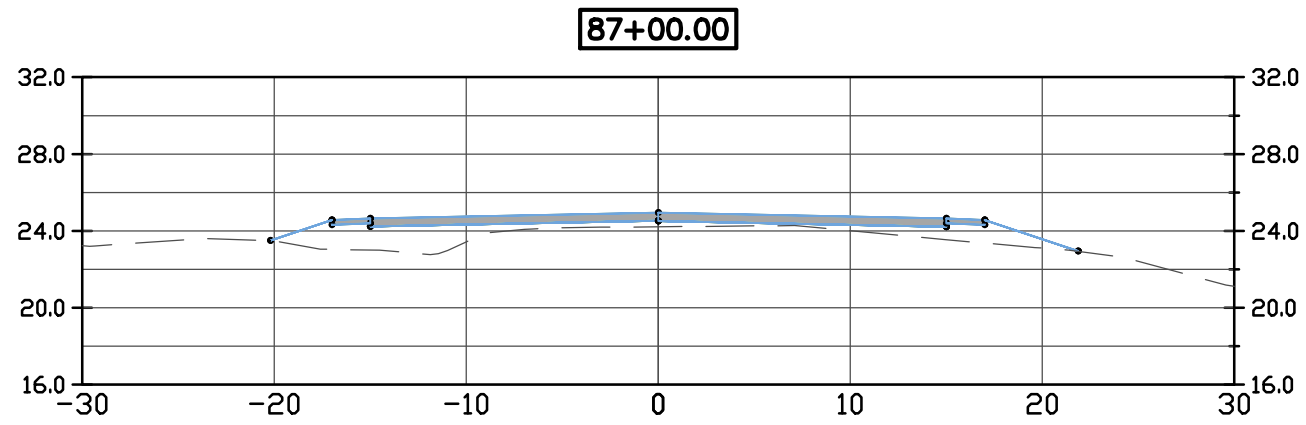
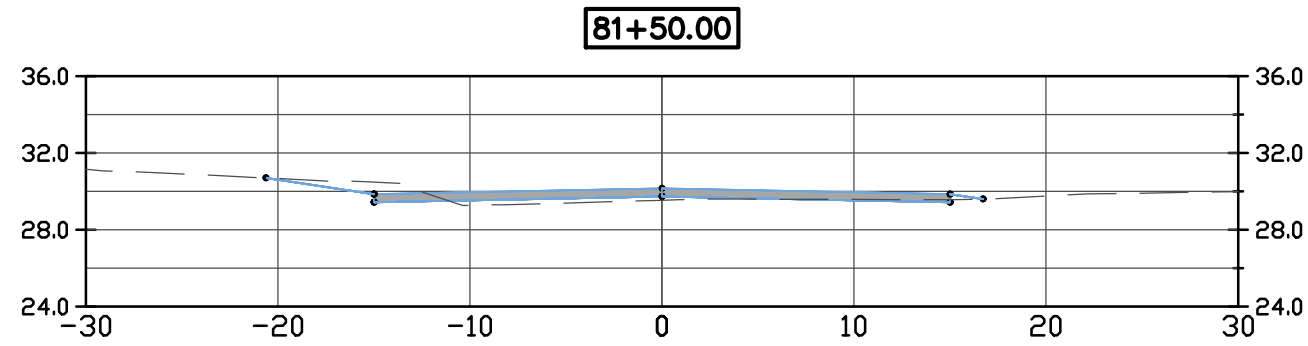
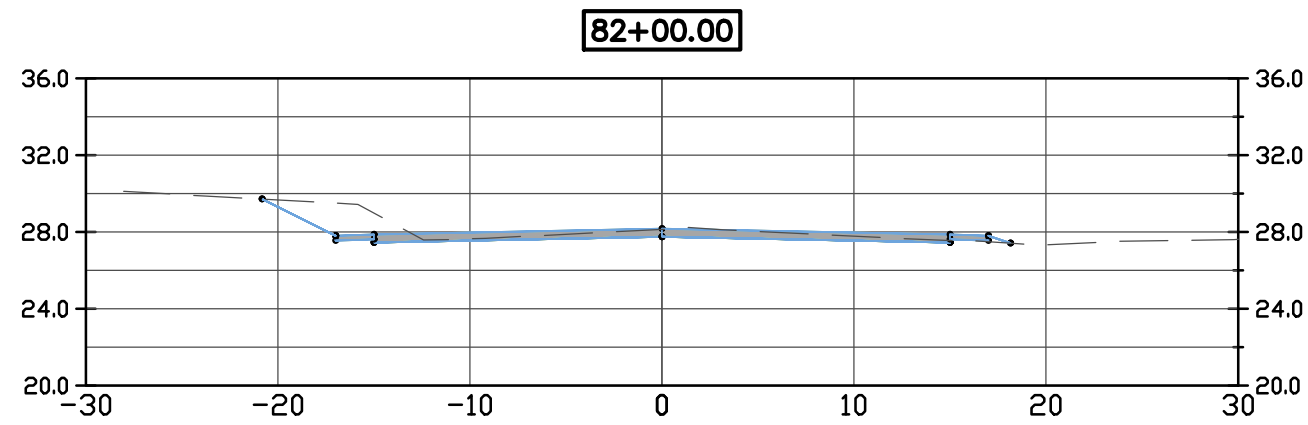
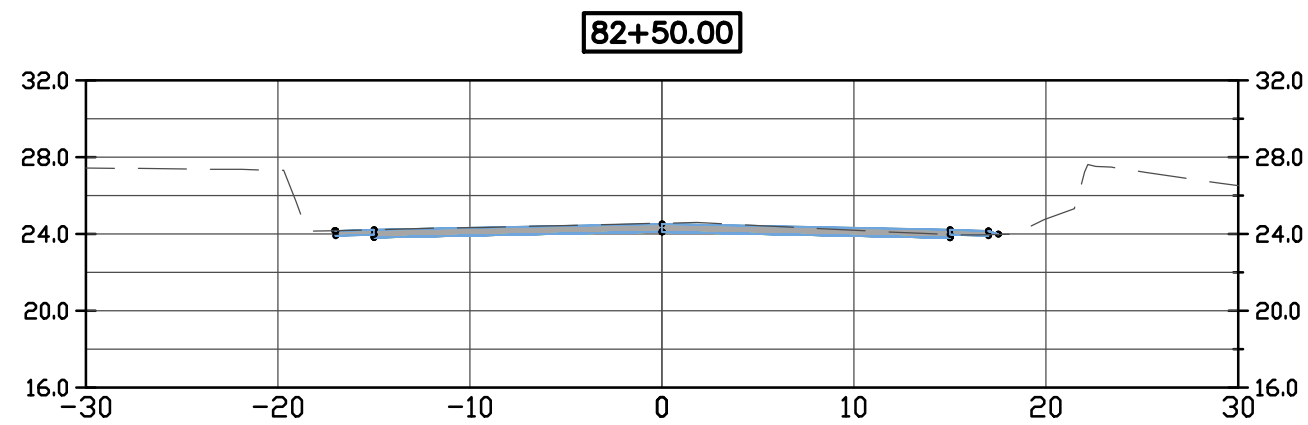
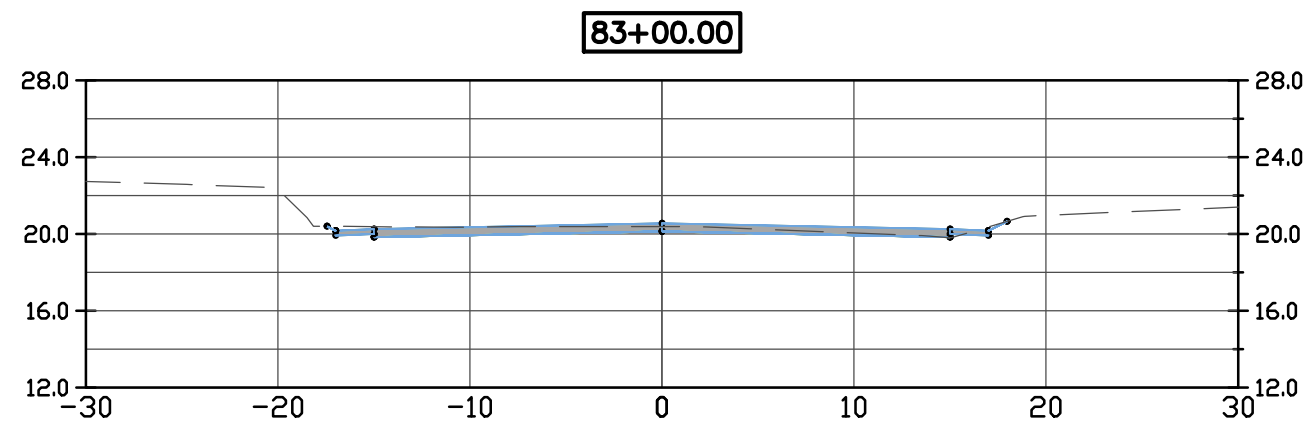
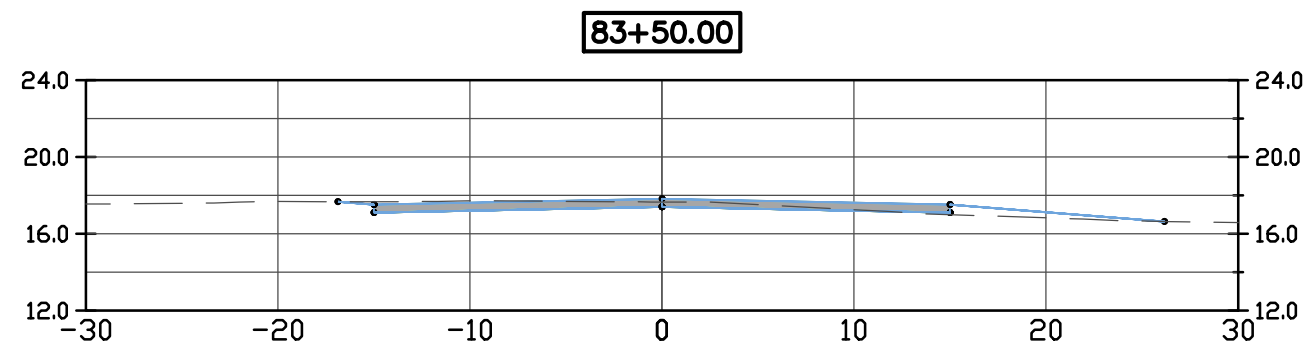
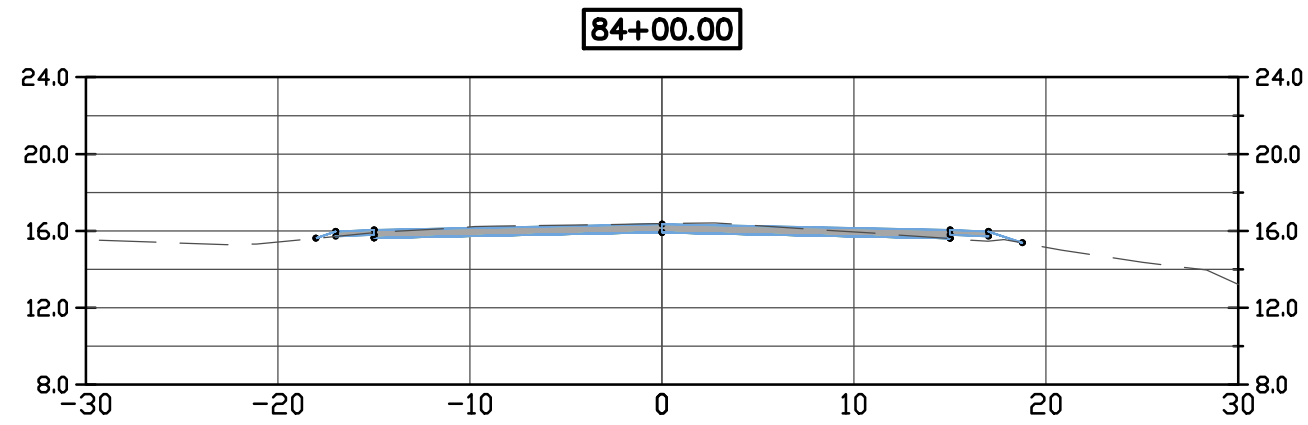
SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 9

SHEET NO:

C-309

M:\Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004_GRA09.dwg 2/4/2022 1:47:14 PM



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004_GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 10

SHEET NO:

C-310

DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY:PMG
DRAWN BY:PMG
CHECKED BY:PJC
DATE:2/4/2022
FILE NAME:4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

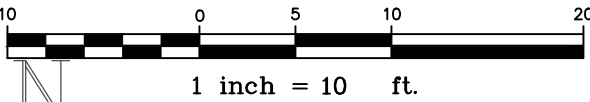
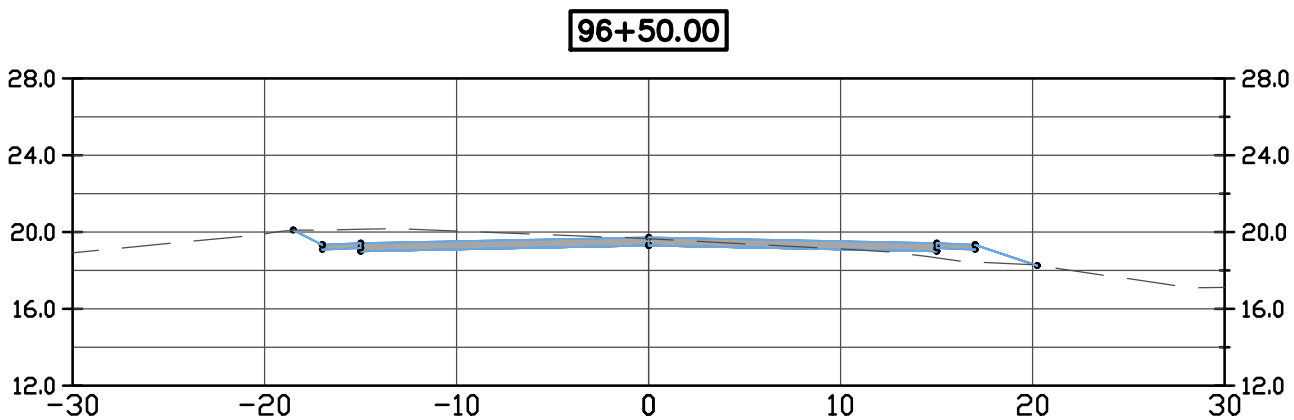
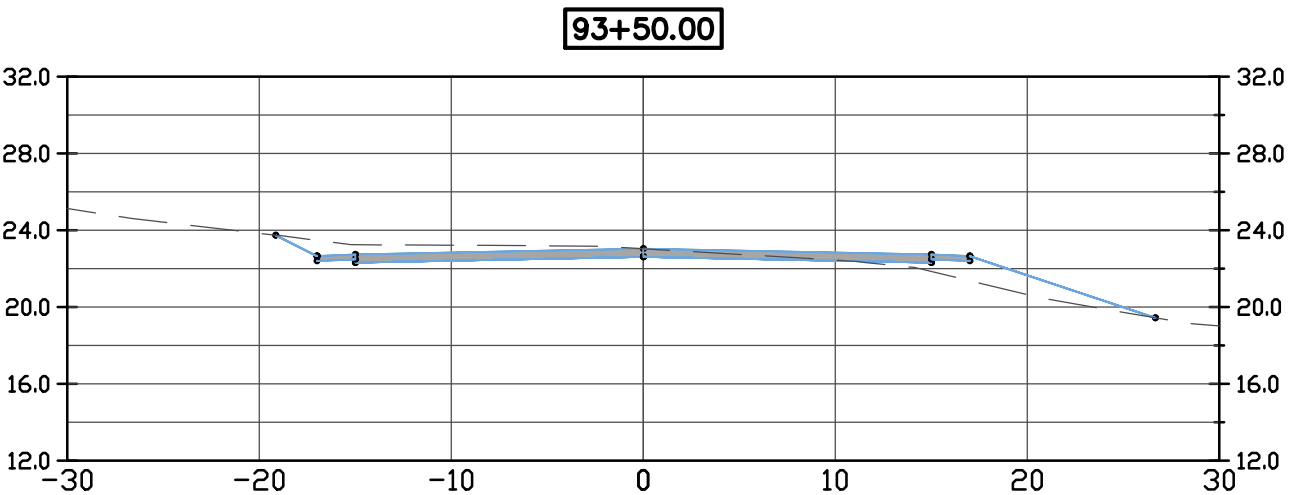
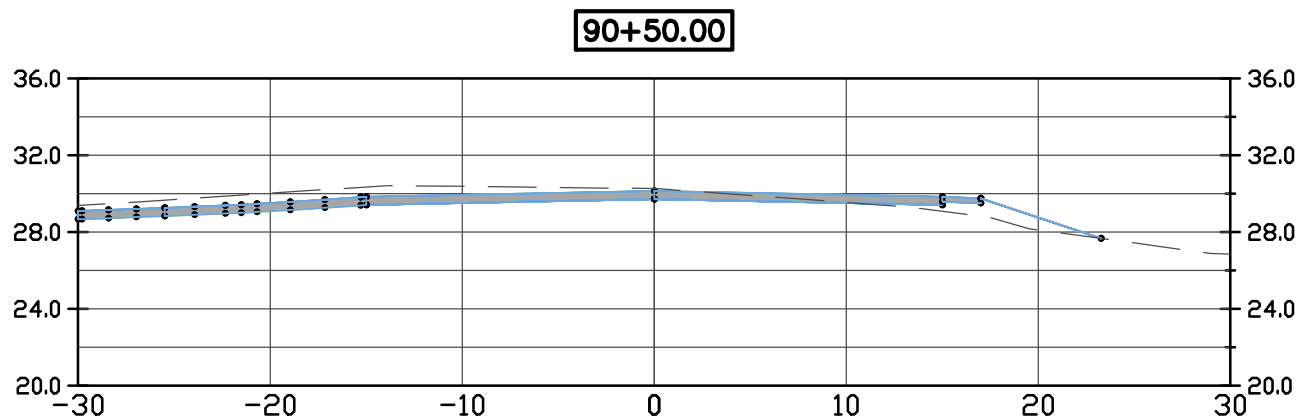
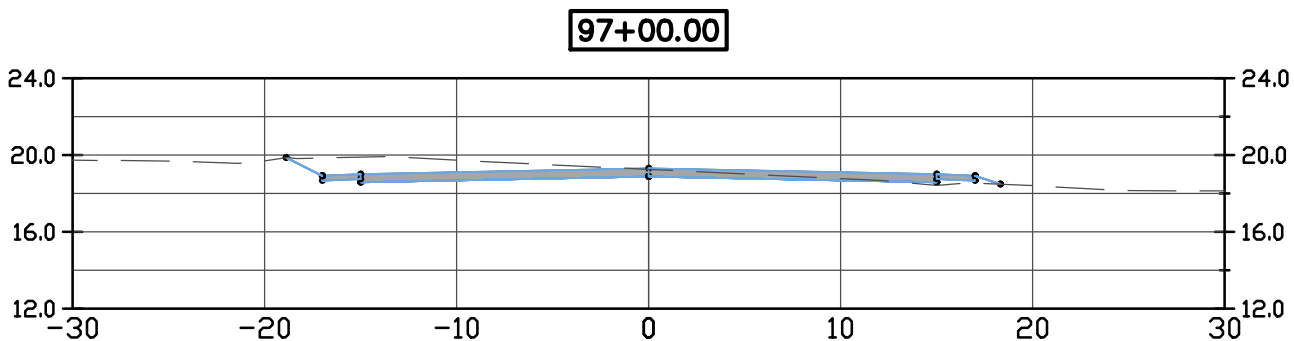
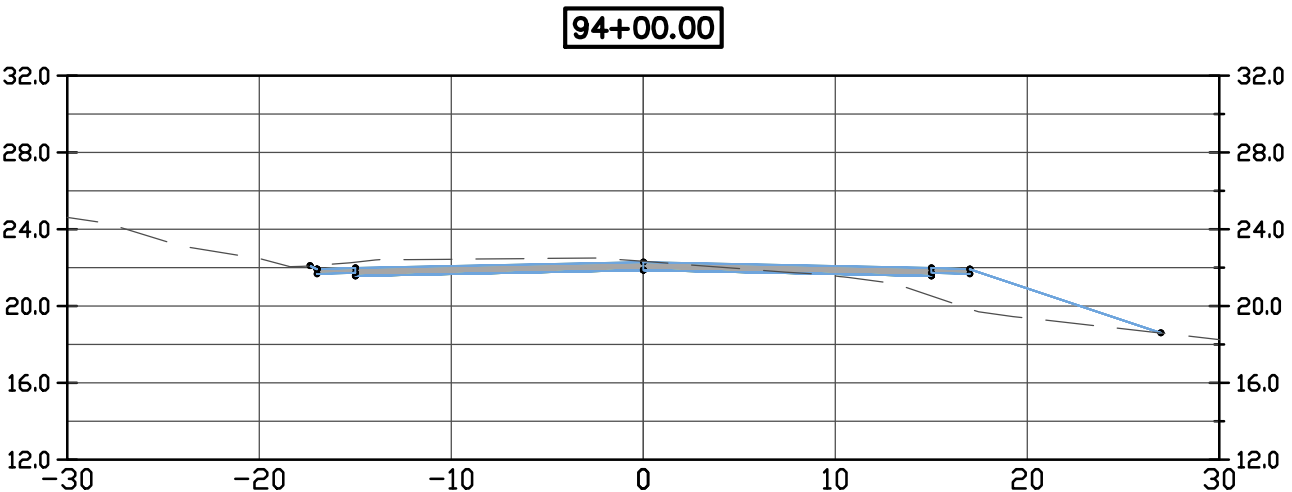
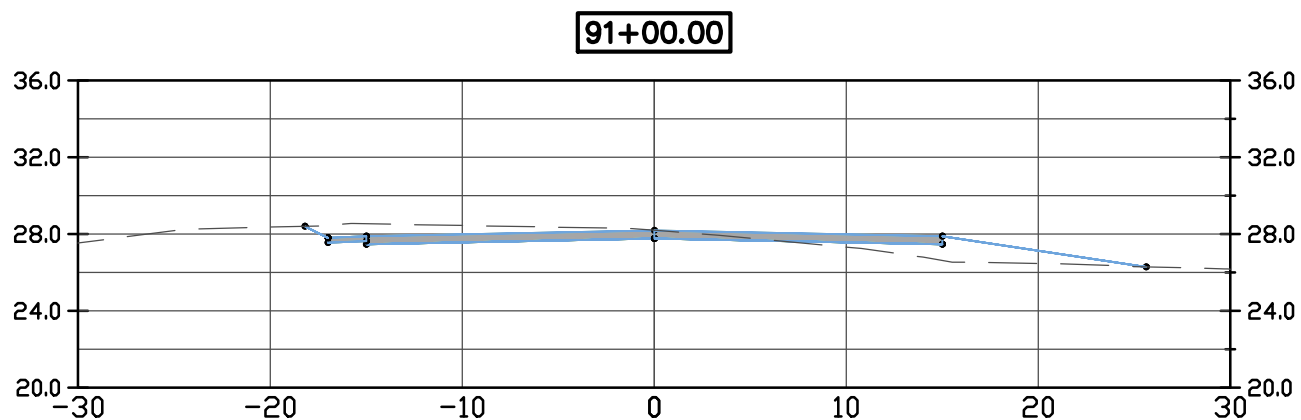
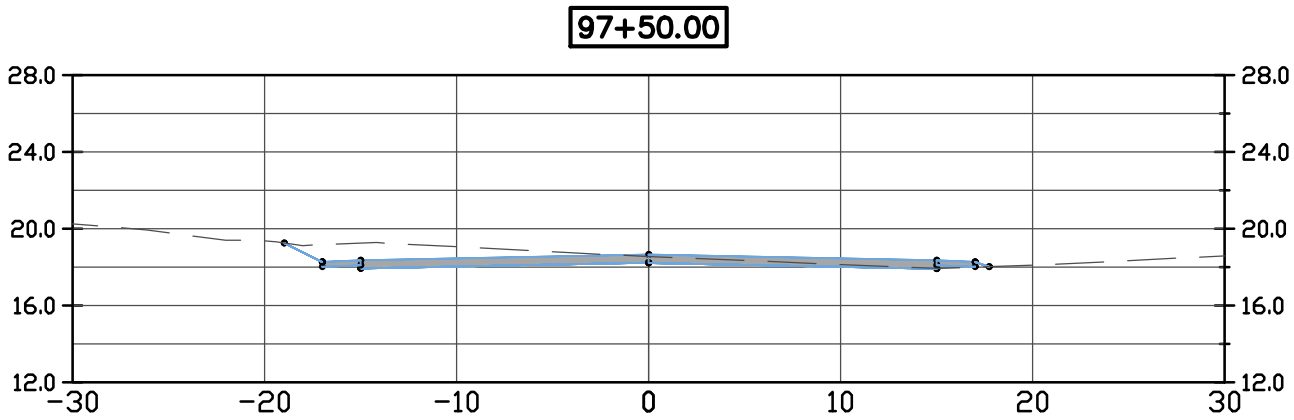
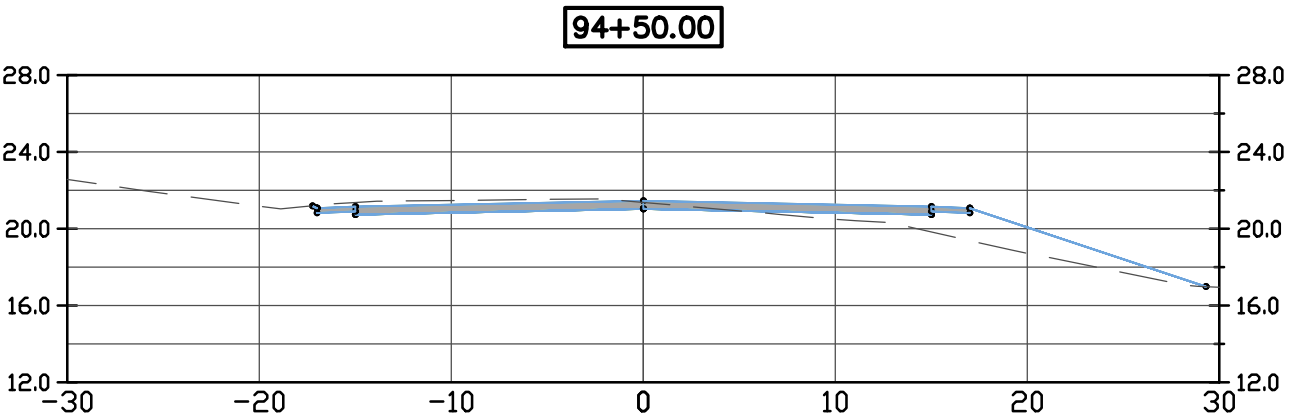
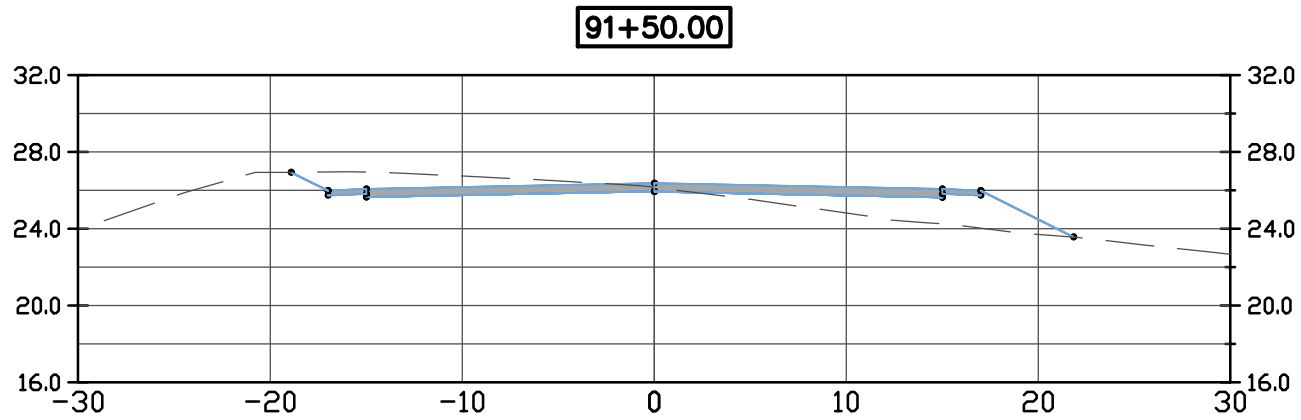
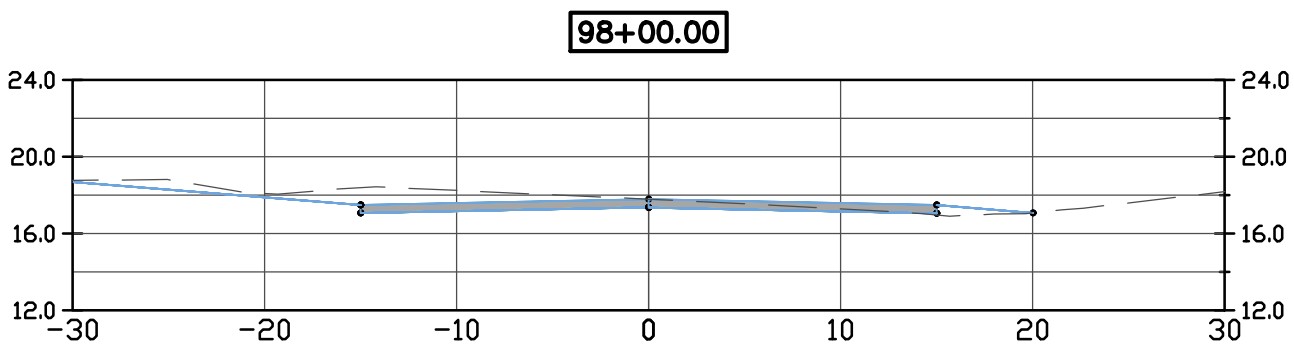
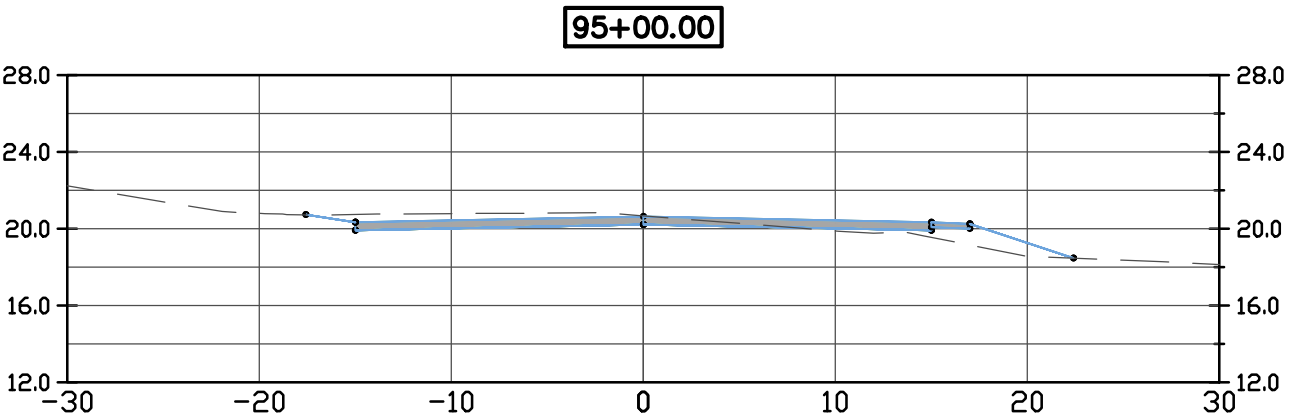
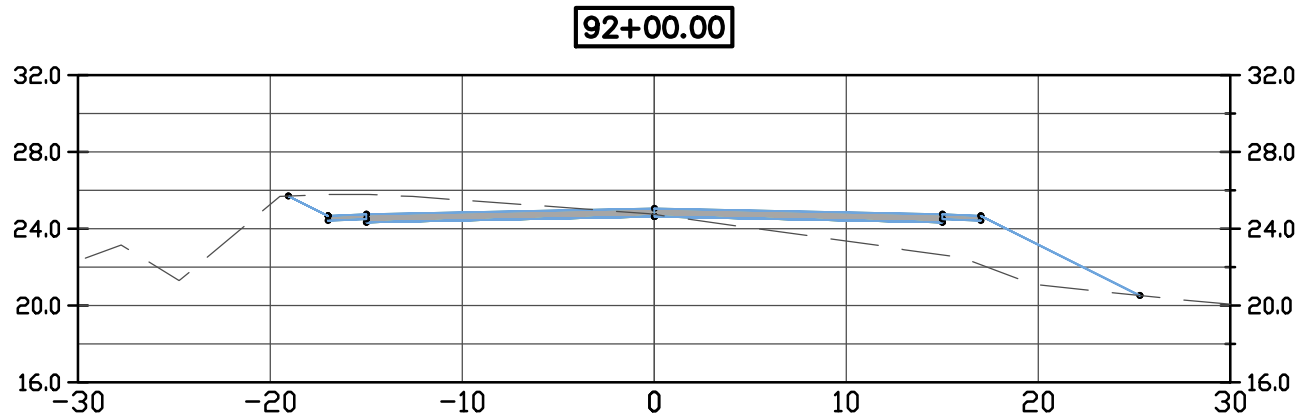
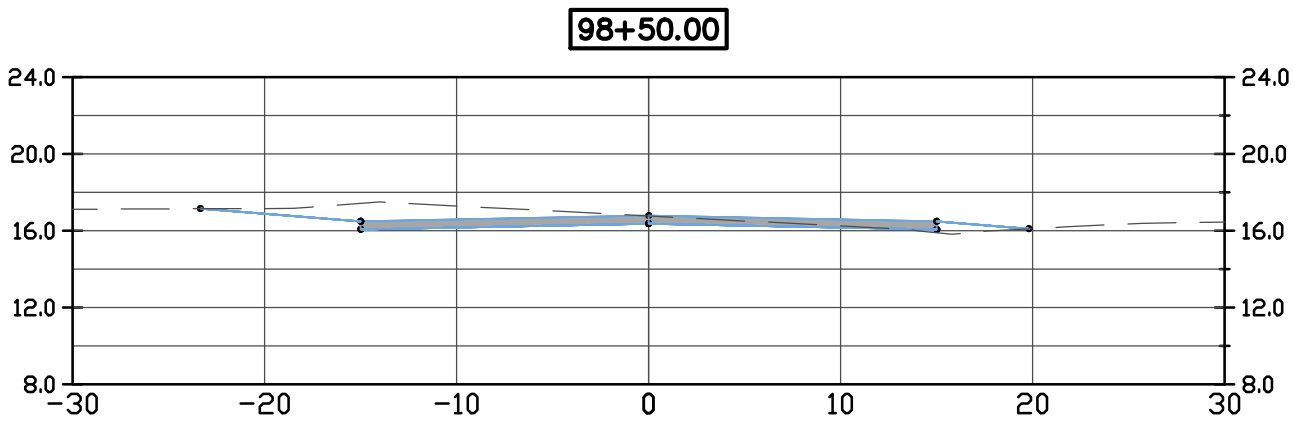
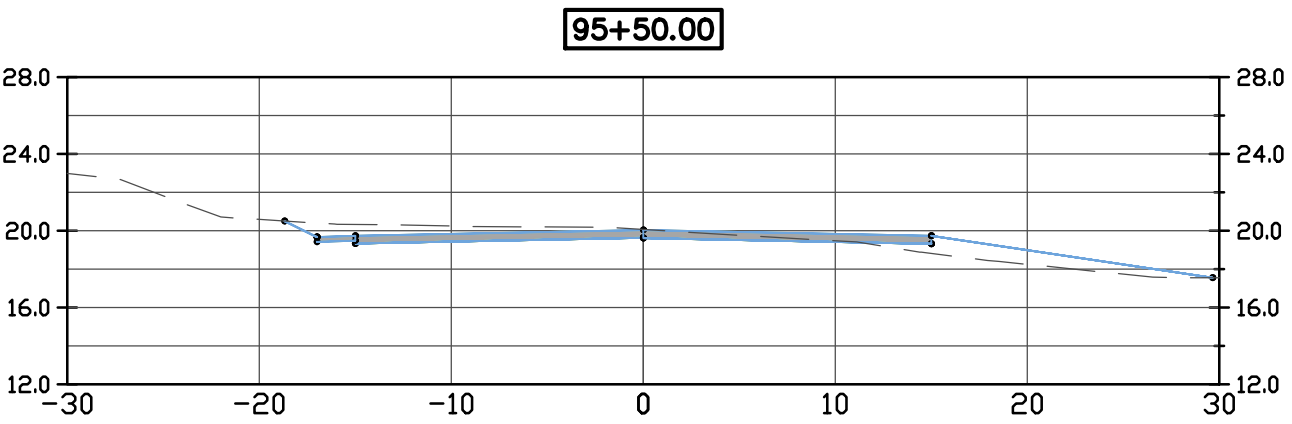
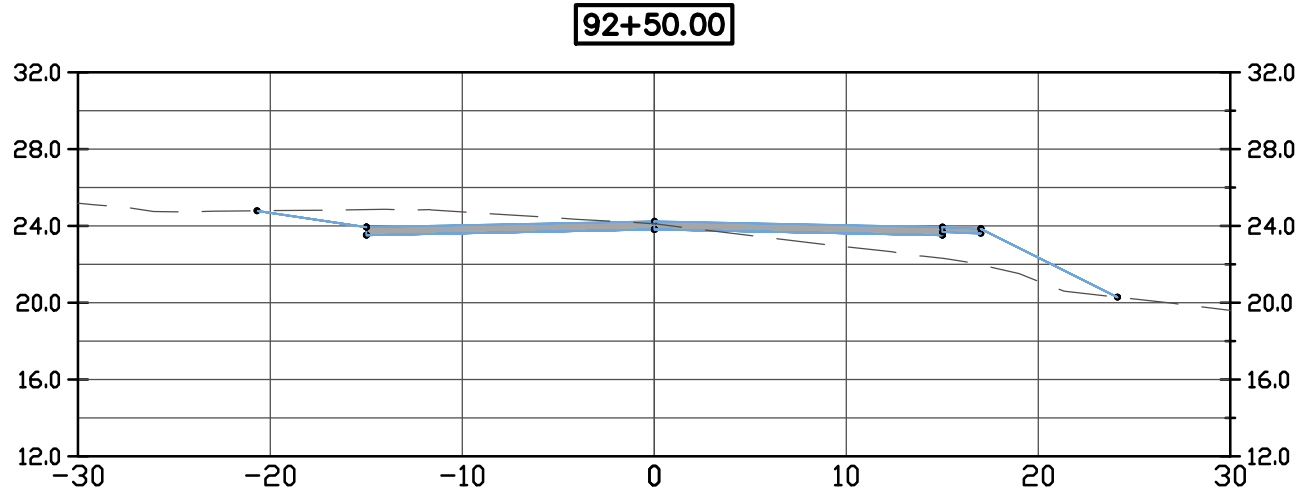
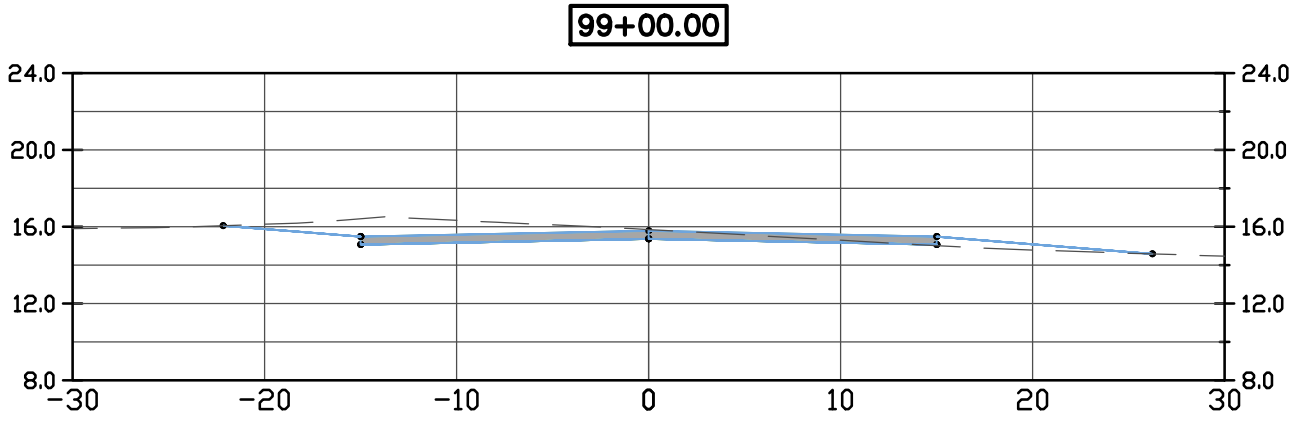
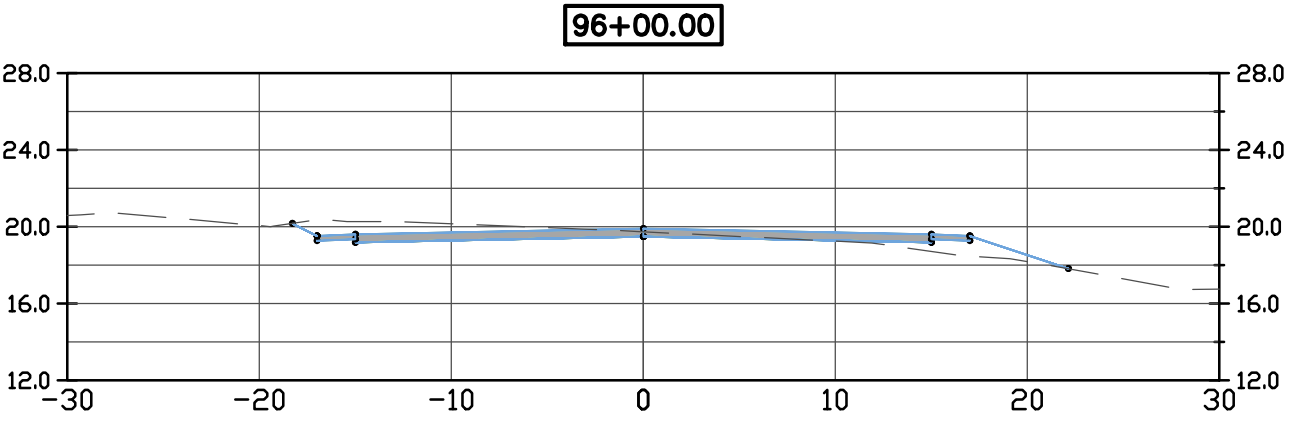
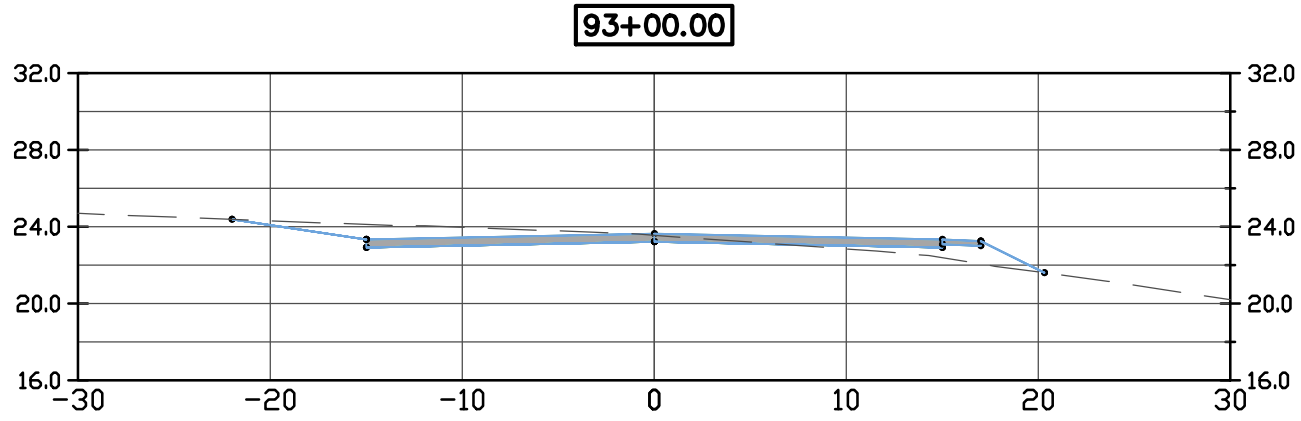
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 11

SHEET NO:

C-311



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY:PMG

DRAWN BY:PMG

CHECKED BY:PJC

DATE:2/4/2022

FILE NAME:4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

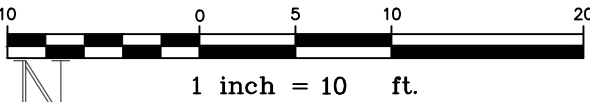
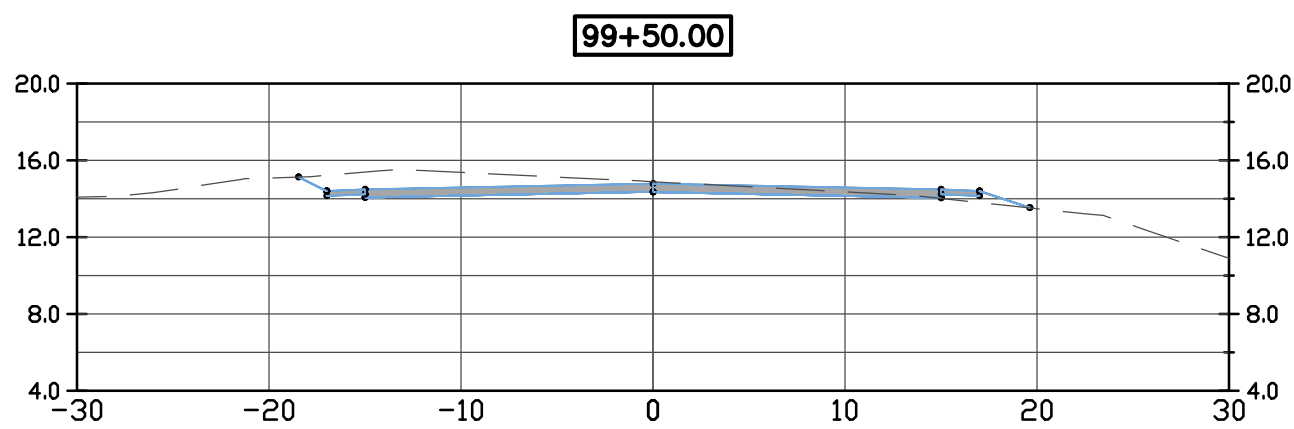
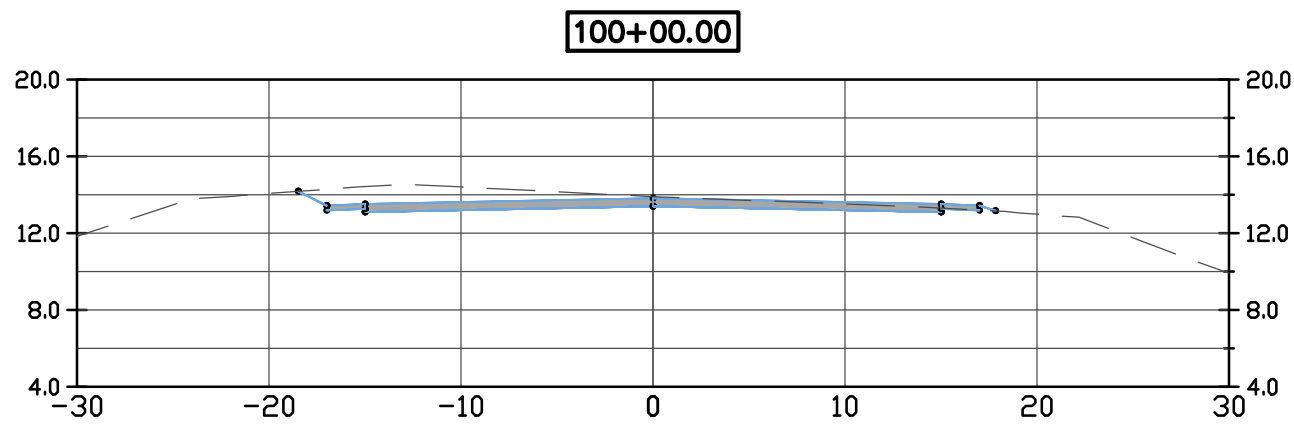
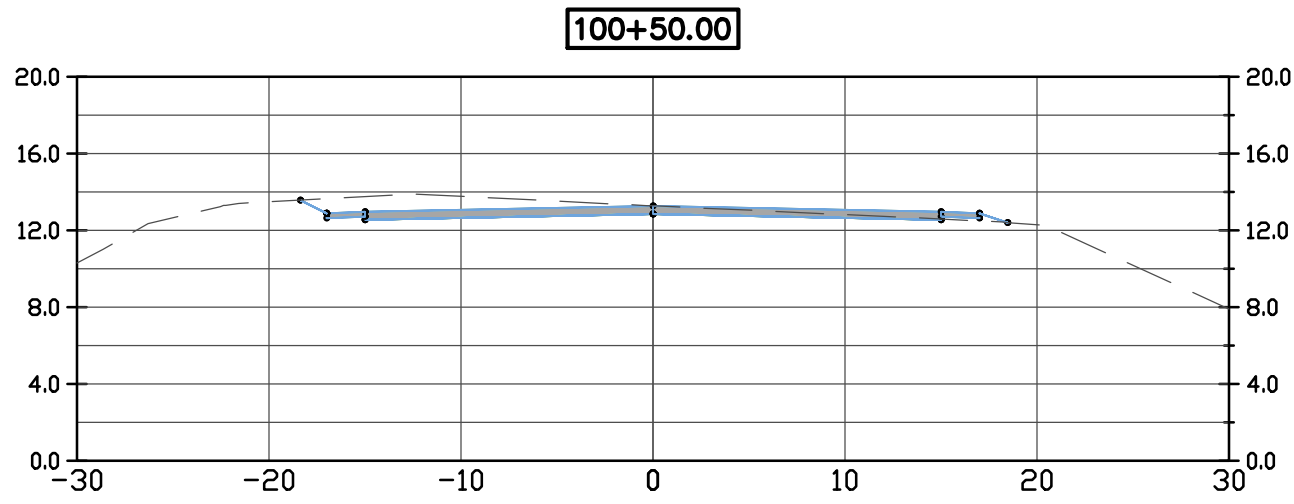
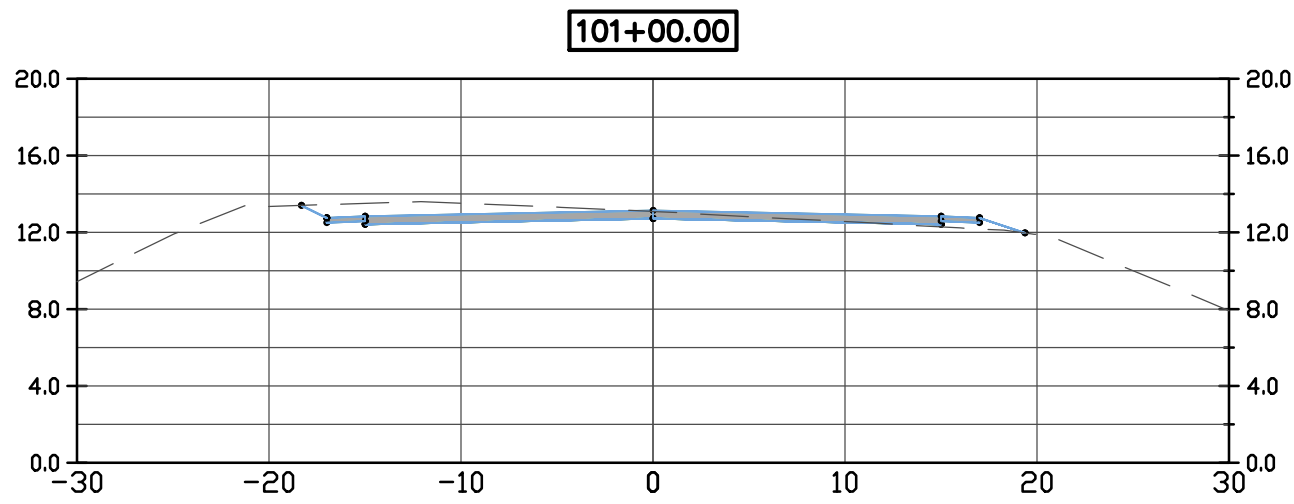
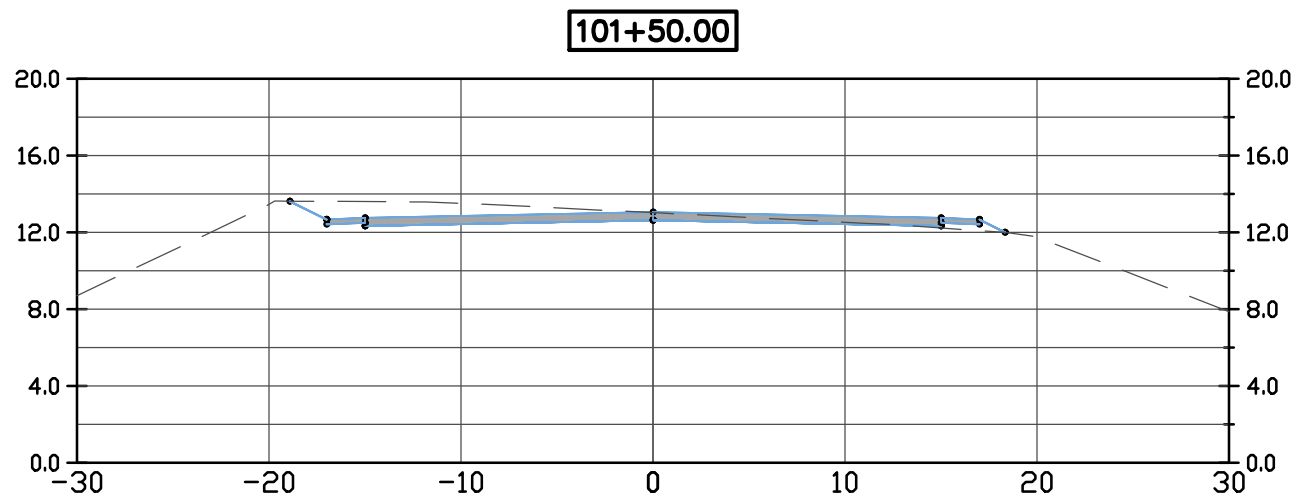
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SPURWINK ROAD
CROSS
SECTIONS - 12

SHEET NO:

C-312



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

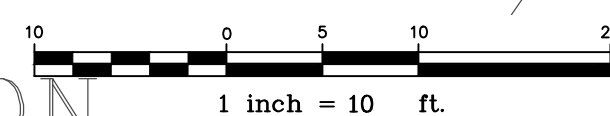
OCEAN AVENUE
INTERSECTION
PLAN

SHEET NO:

C-401

M:\Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004 GRA09.dwg 2/4/2022 1:45:26 PM

50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

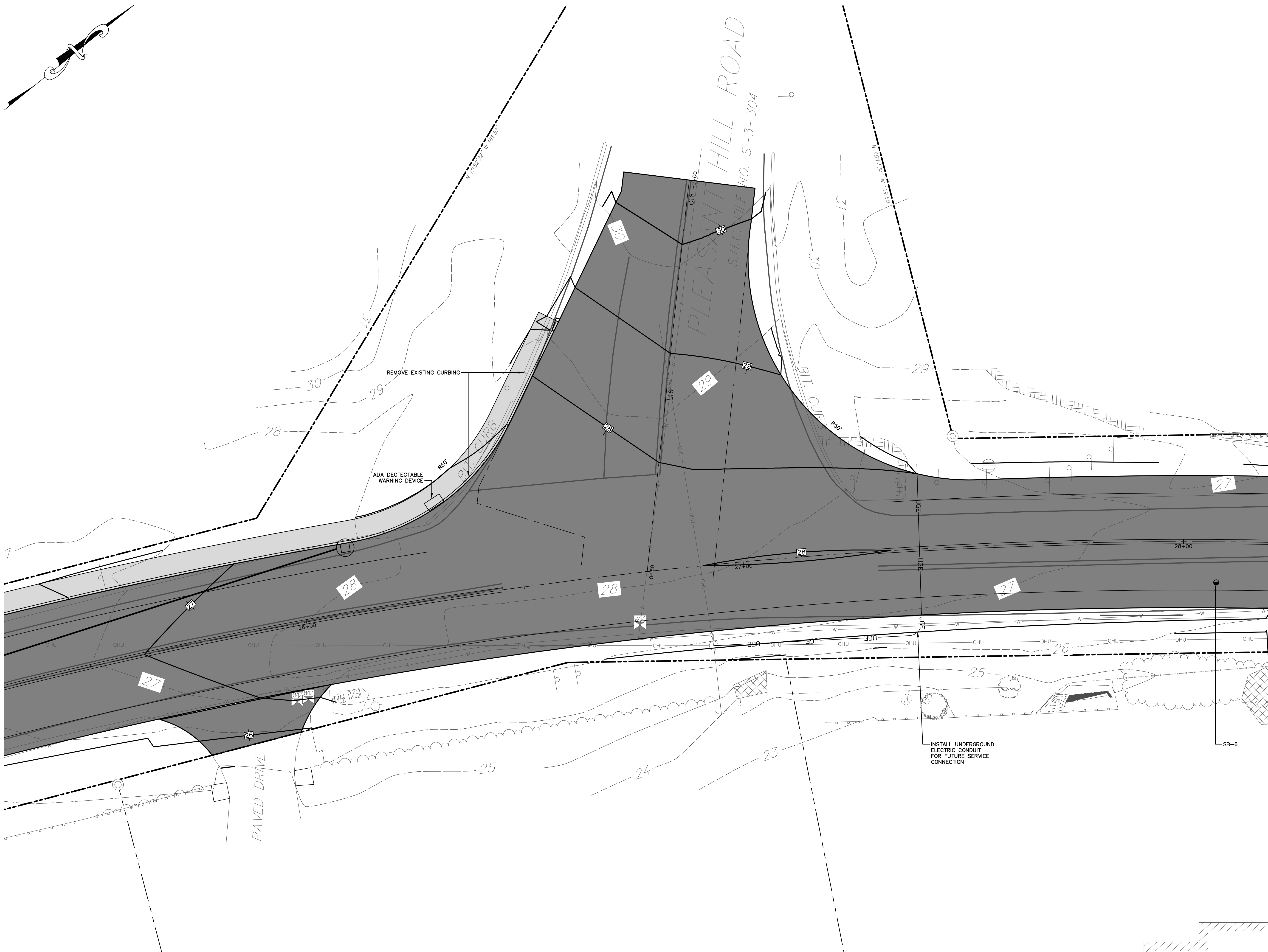
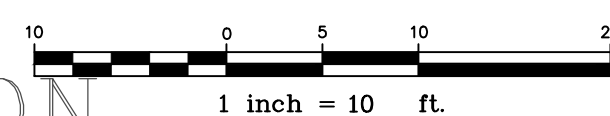
PLEASANT HILL
ROAD
INTERSECTION
PLAN

SHEET NO:

C-402

M:\Cad Drawings - Dwg\Active Dwg\4444 Town of Scarborough\4444-0004 Spurwink Rd\DWG\4444-0004 GRA09.dwg 2/4/2022 1:45:35 PM

50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 GRA09.dwg

PROJECT NAME: _____

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT: _____

SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE: _____

SAWYER STREET INTERSECTION PLAN

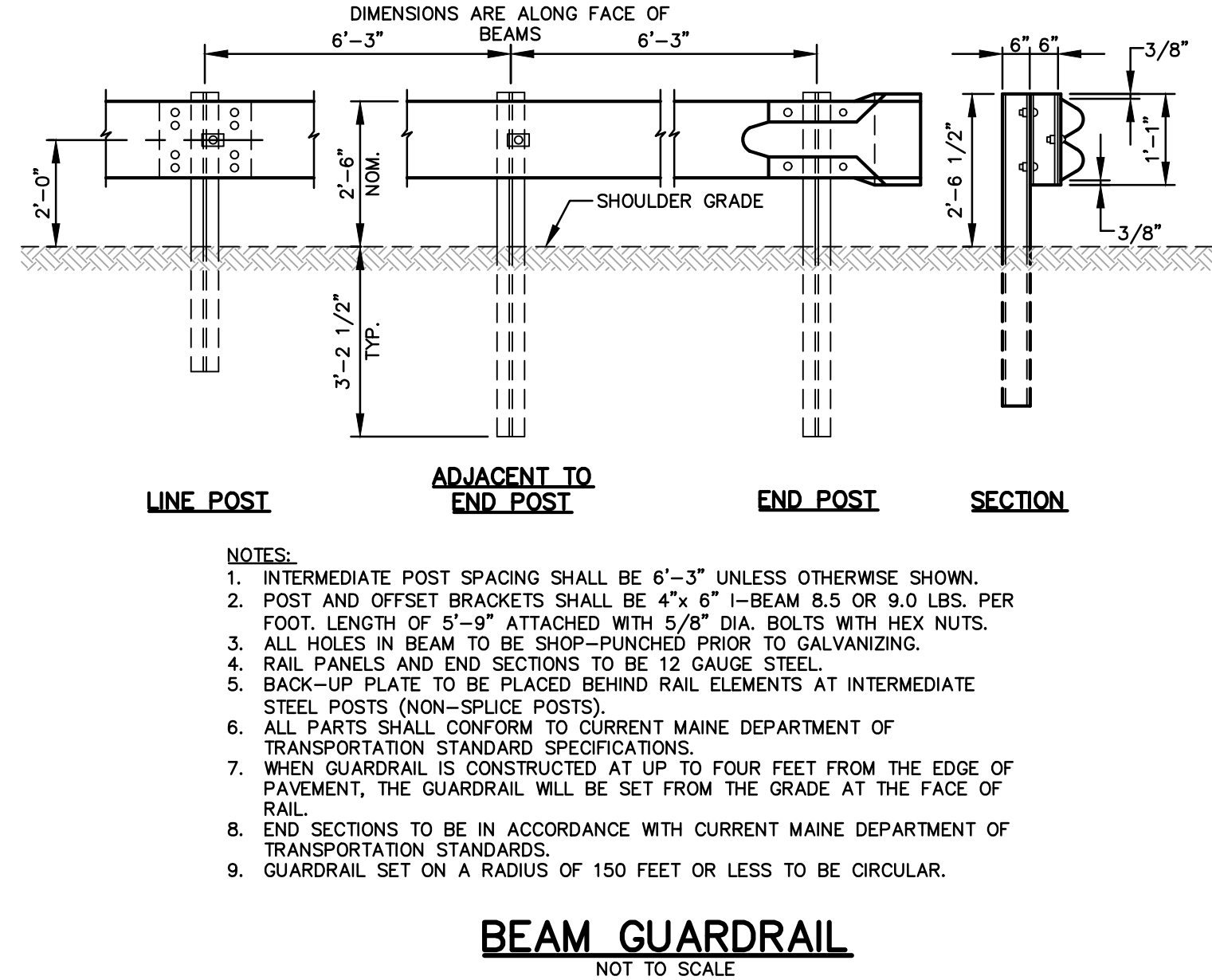
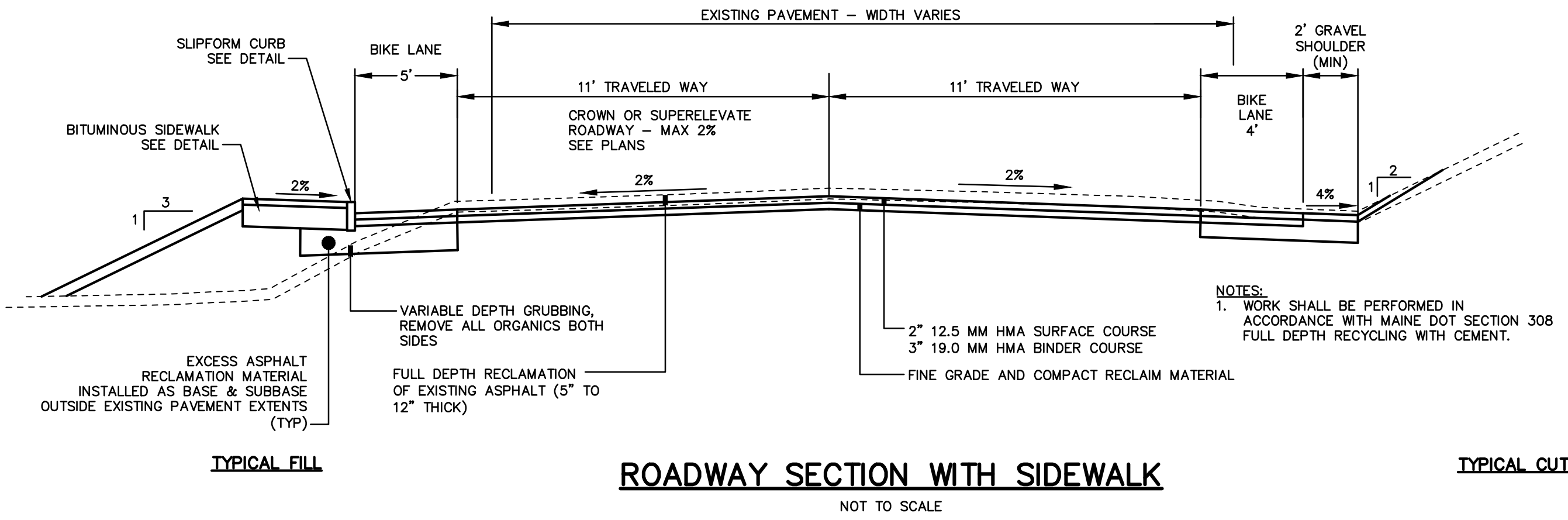
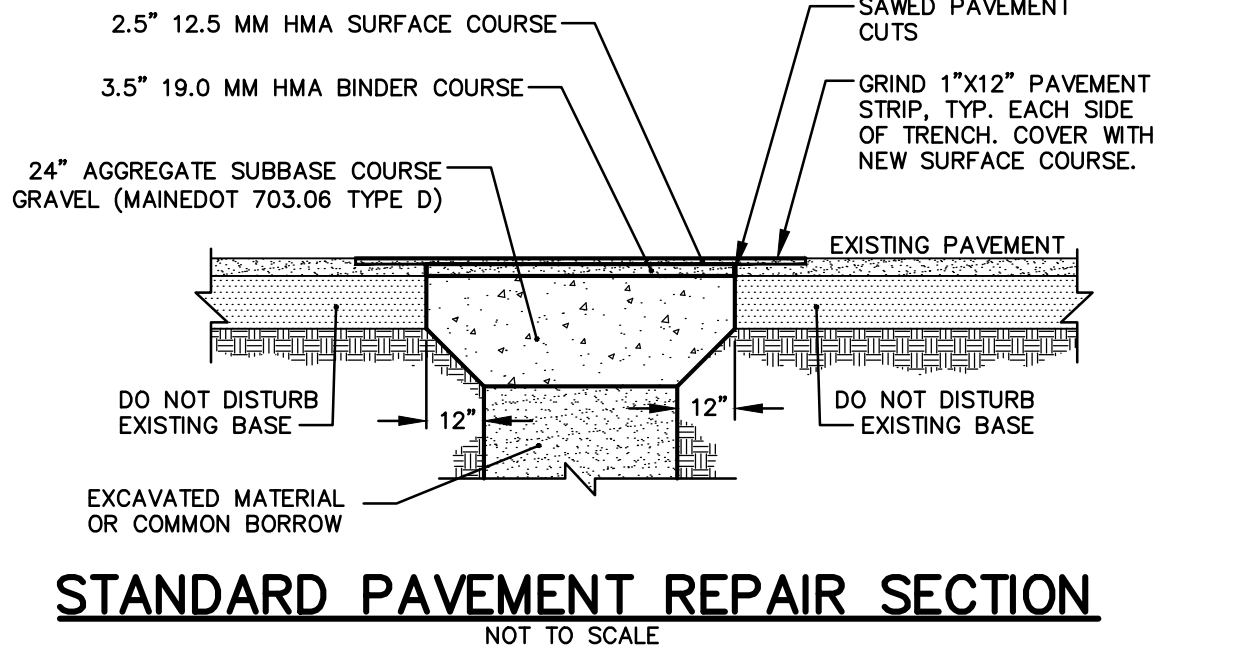
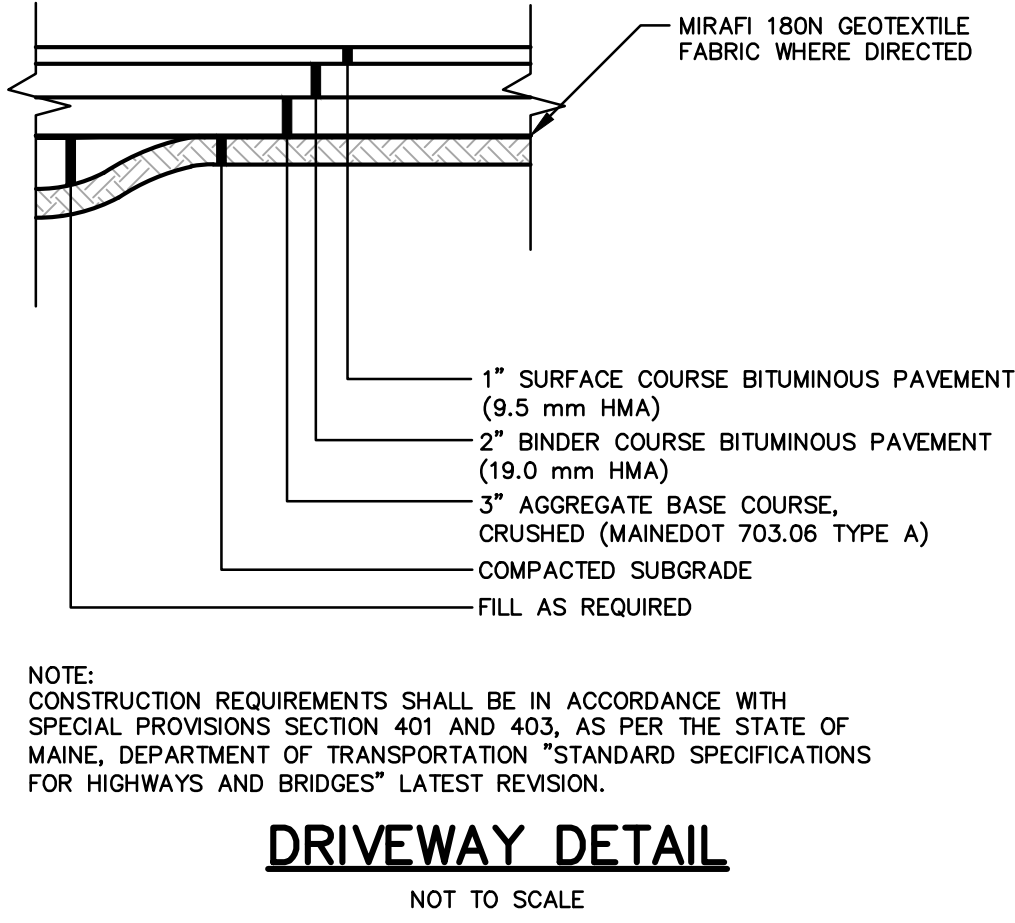
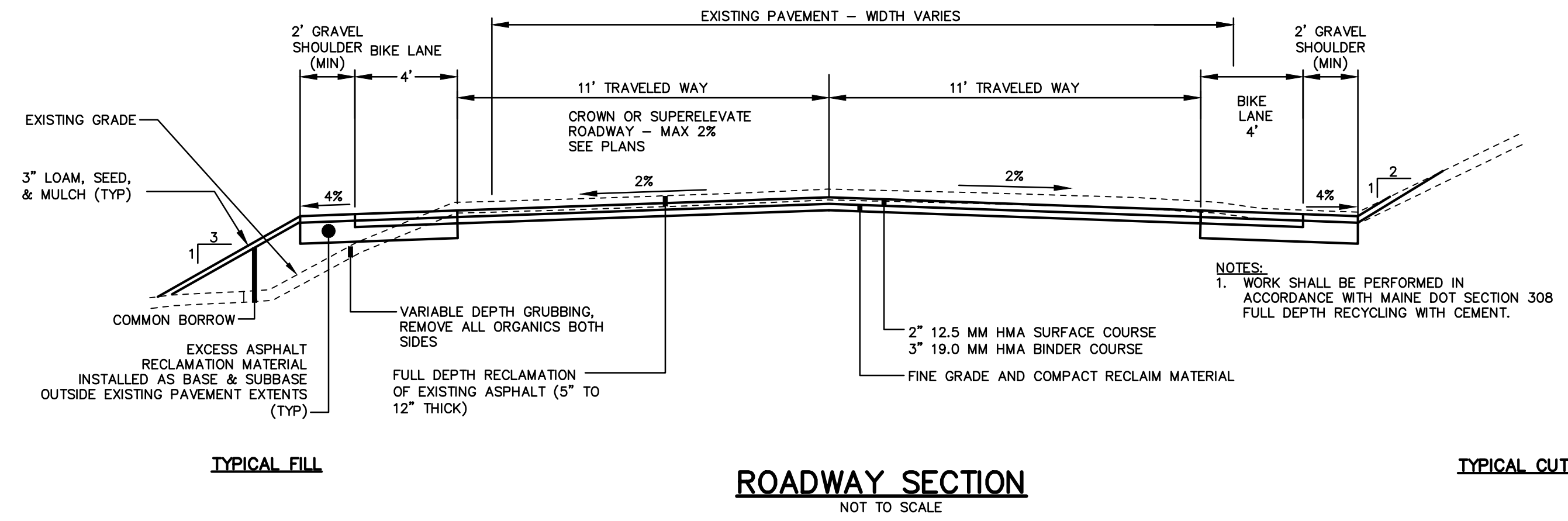
SHEET NO: _____

C-403



50% PRELIMINARY PLANS – NOT FOR CONSTRUCTION

DRAFT



REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 DET01.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

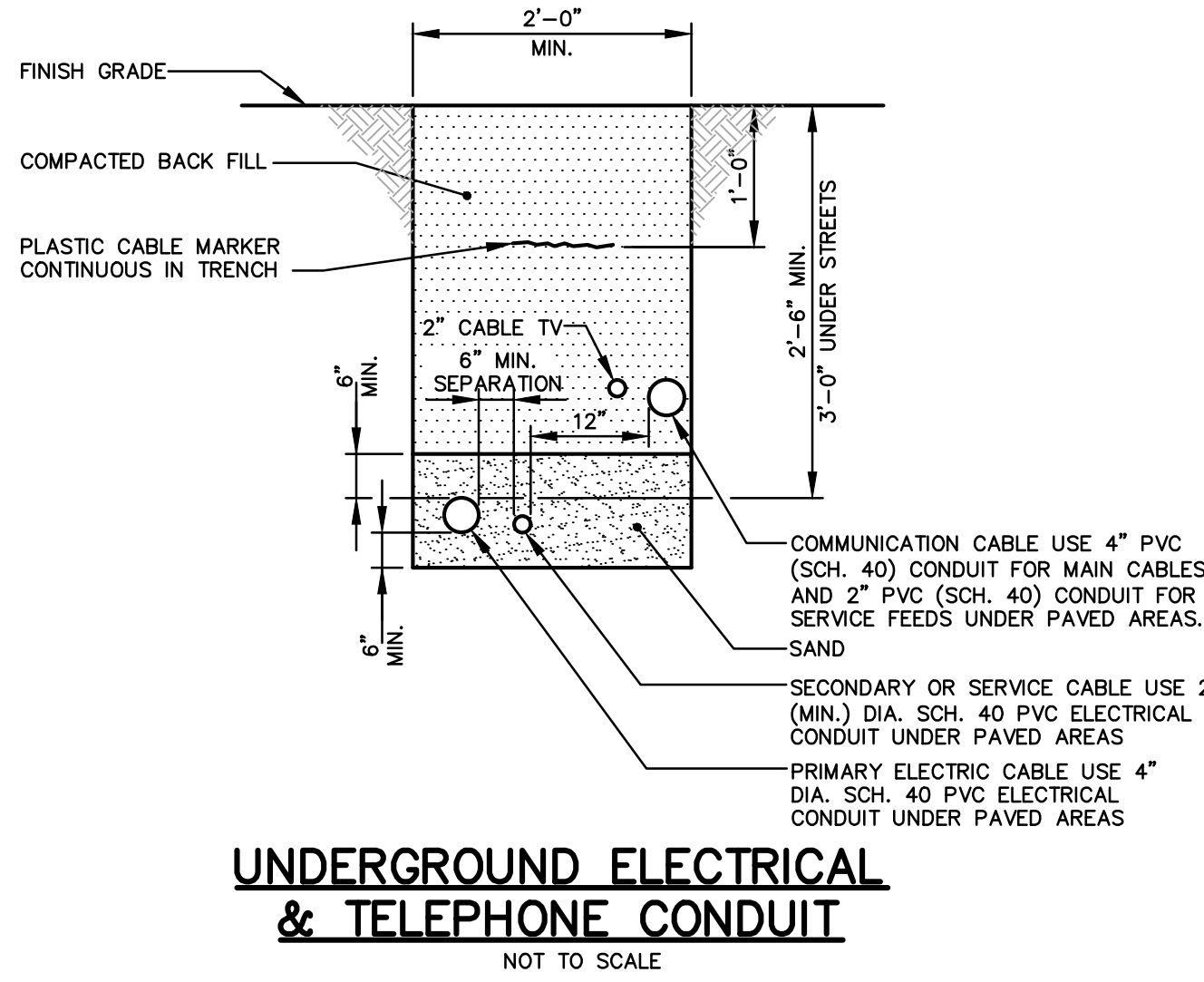
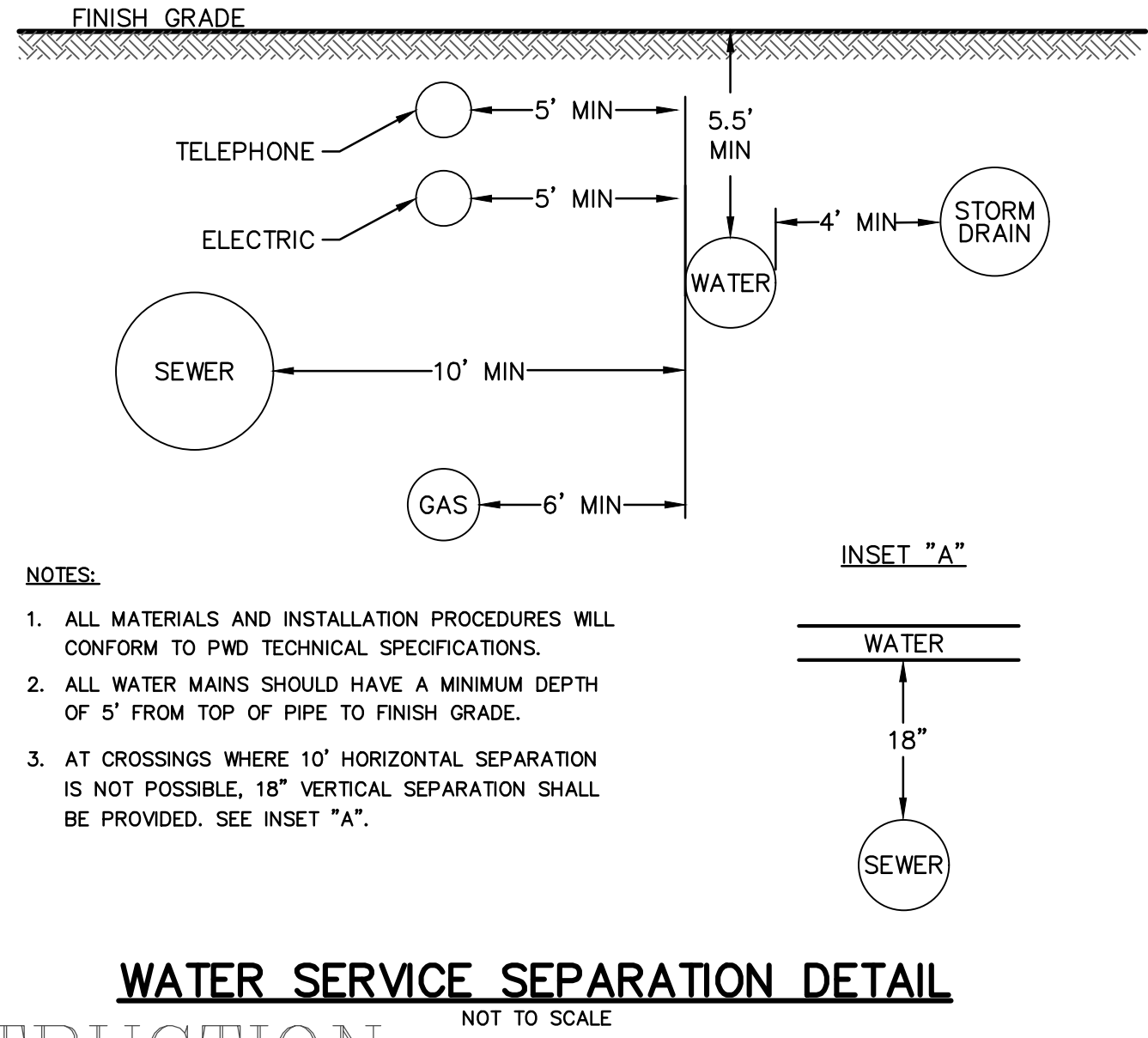
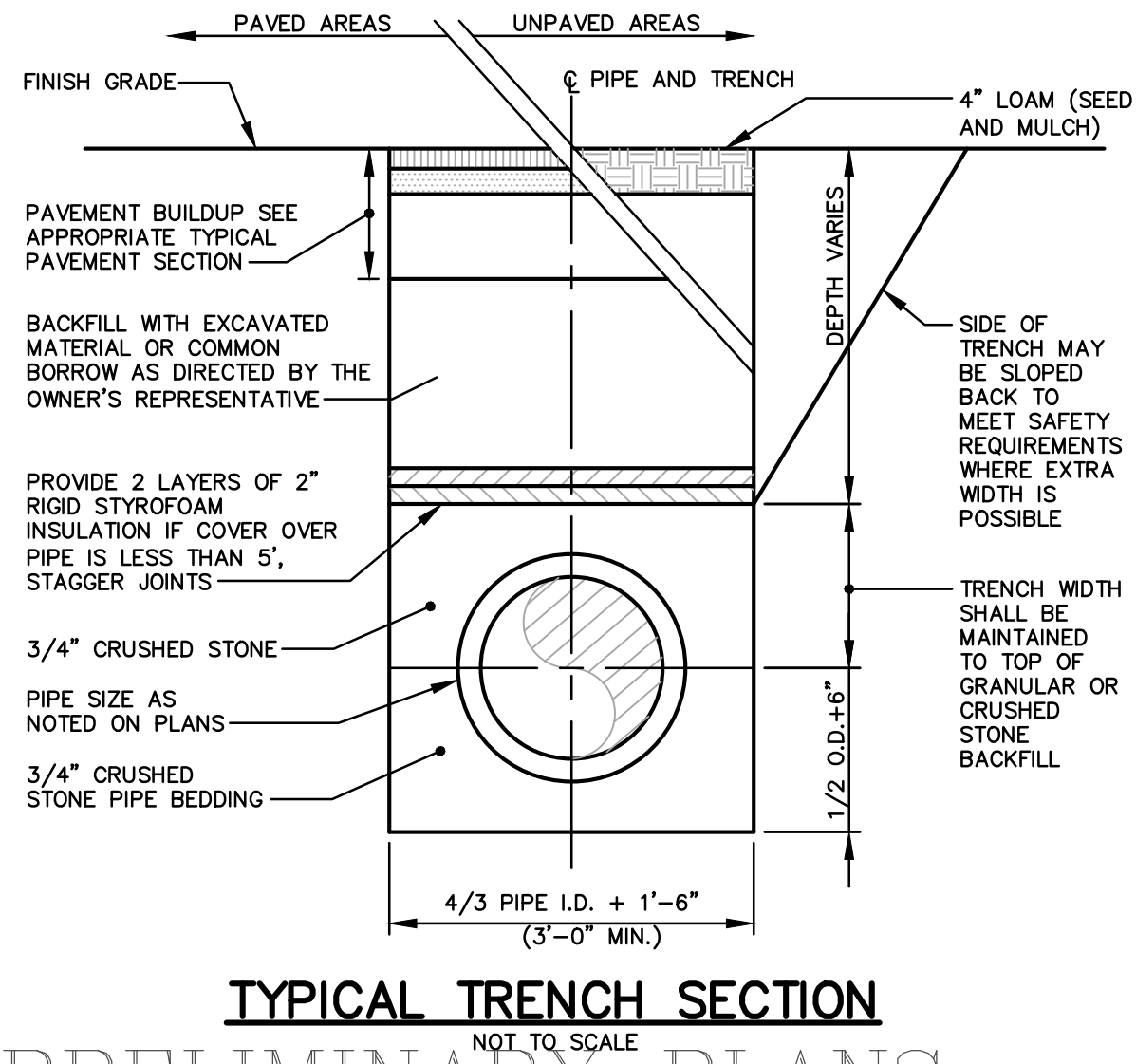
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

DETAILS

SHEET NO:

C-502



DRAFT

REV.	DATE	REVISION DESCRIPTION

DESIGNED BY: PMG
DRAWN BY: PMG
CHECKED BY: PJC
DATE: 2/4/2022
FILE NAME: 4444-0004 DET01.dwg

PROJECT NAME:

SPURWINK ROAD
IMPROVEMENTS
SCARBOROUGH, MAINE

CLIENT:

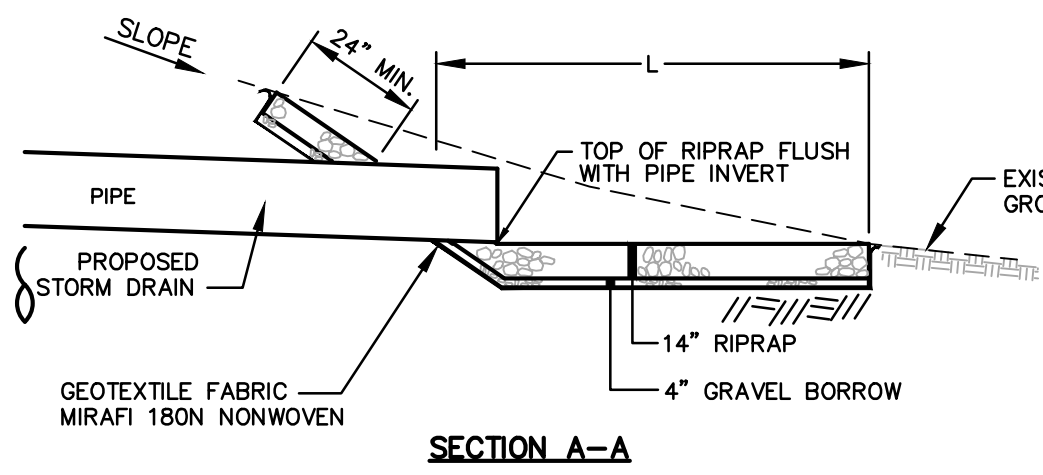
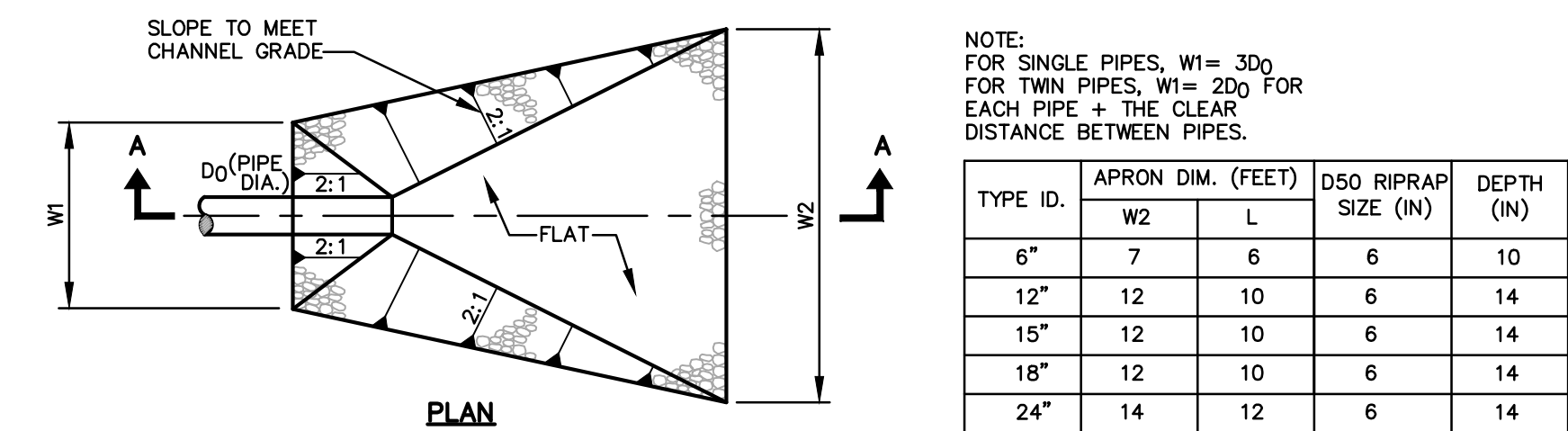
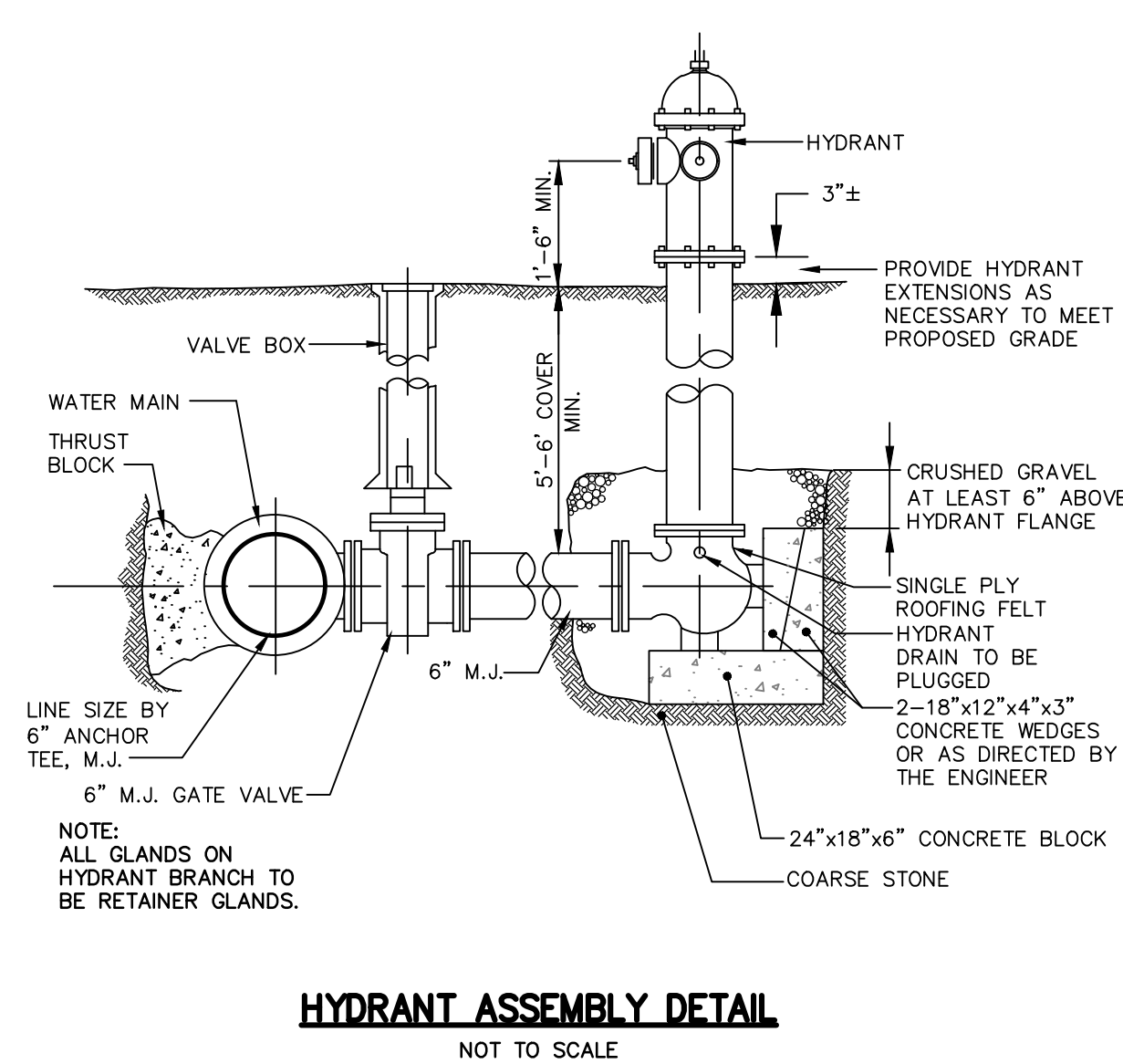
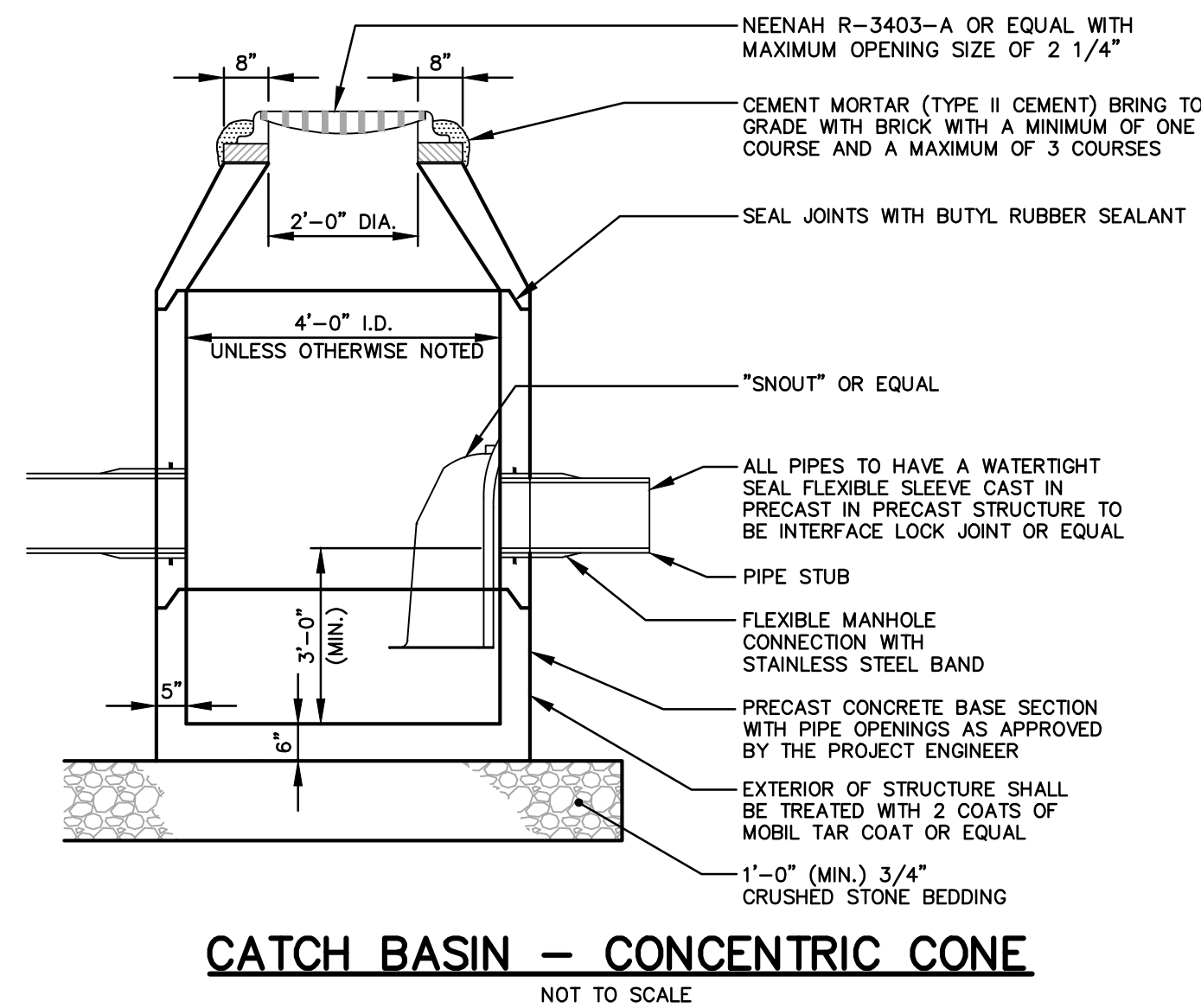
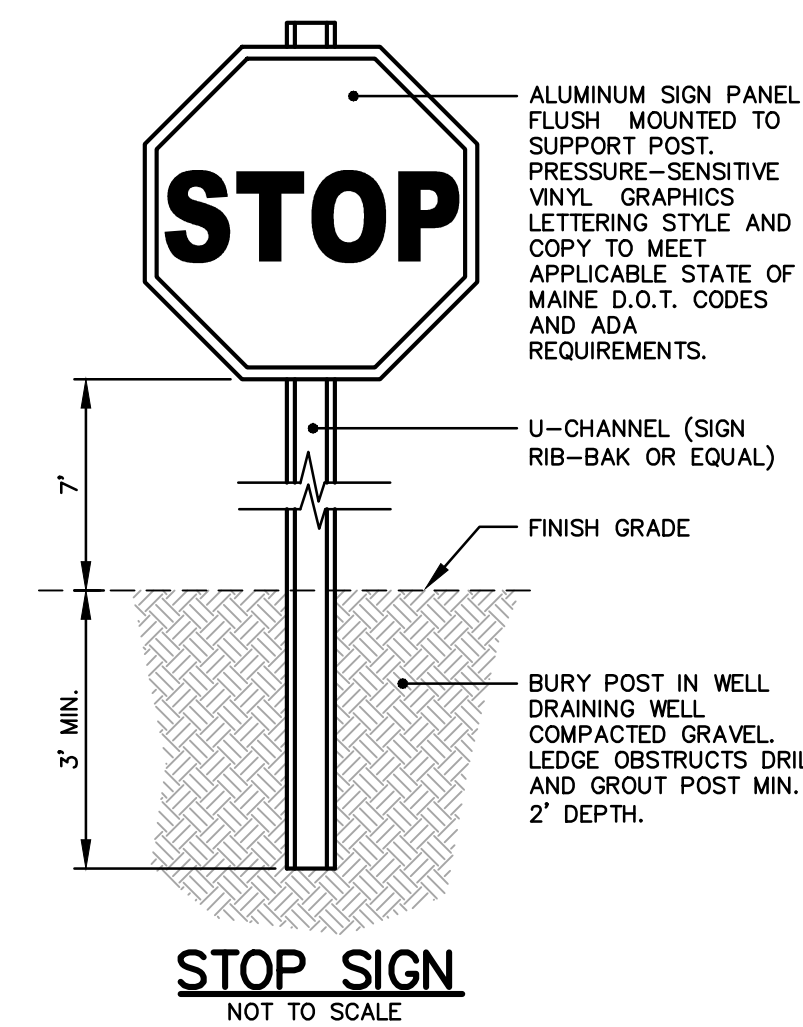
SCARBOROUGH PUBLIC WORKS
20 WASHINGTON AVENUE
SCARBOROUGH, MAINE

SHEET TITLE:

SHEET NO:

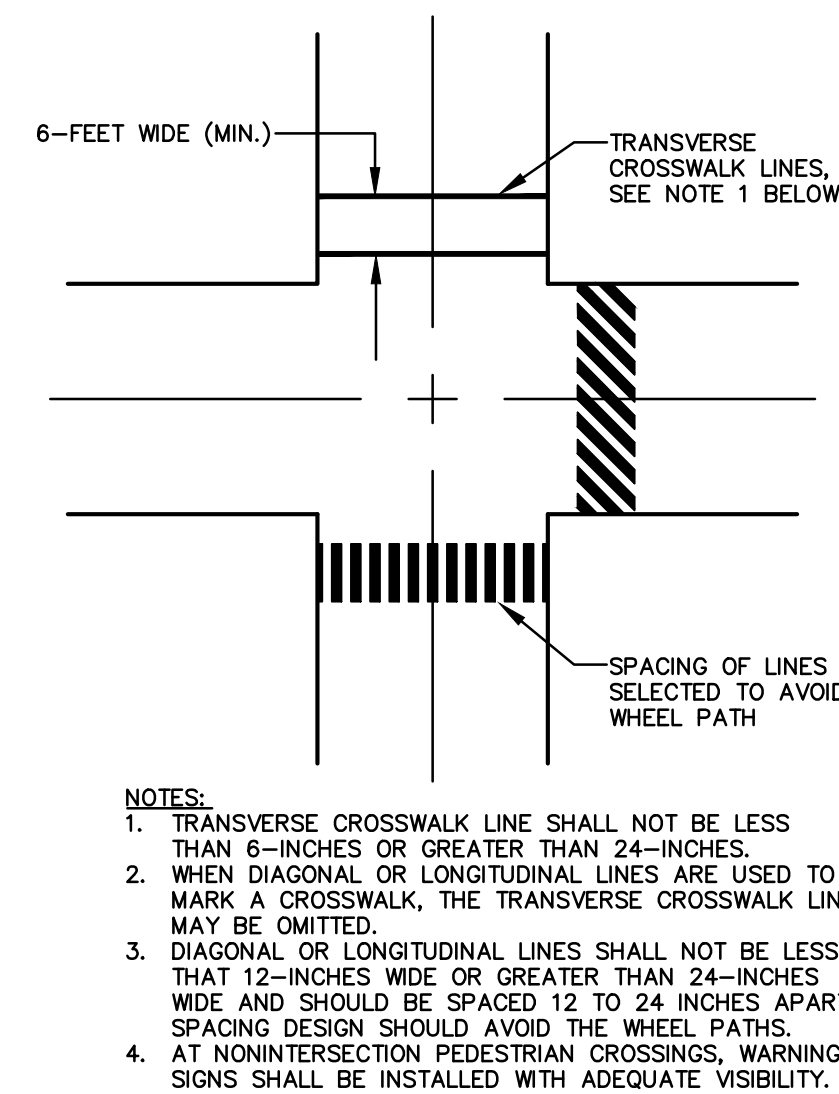
C-503

DETAILS



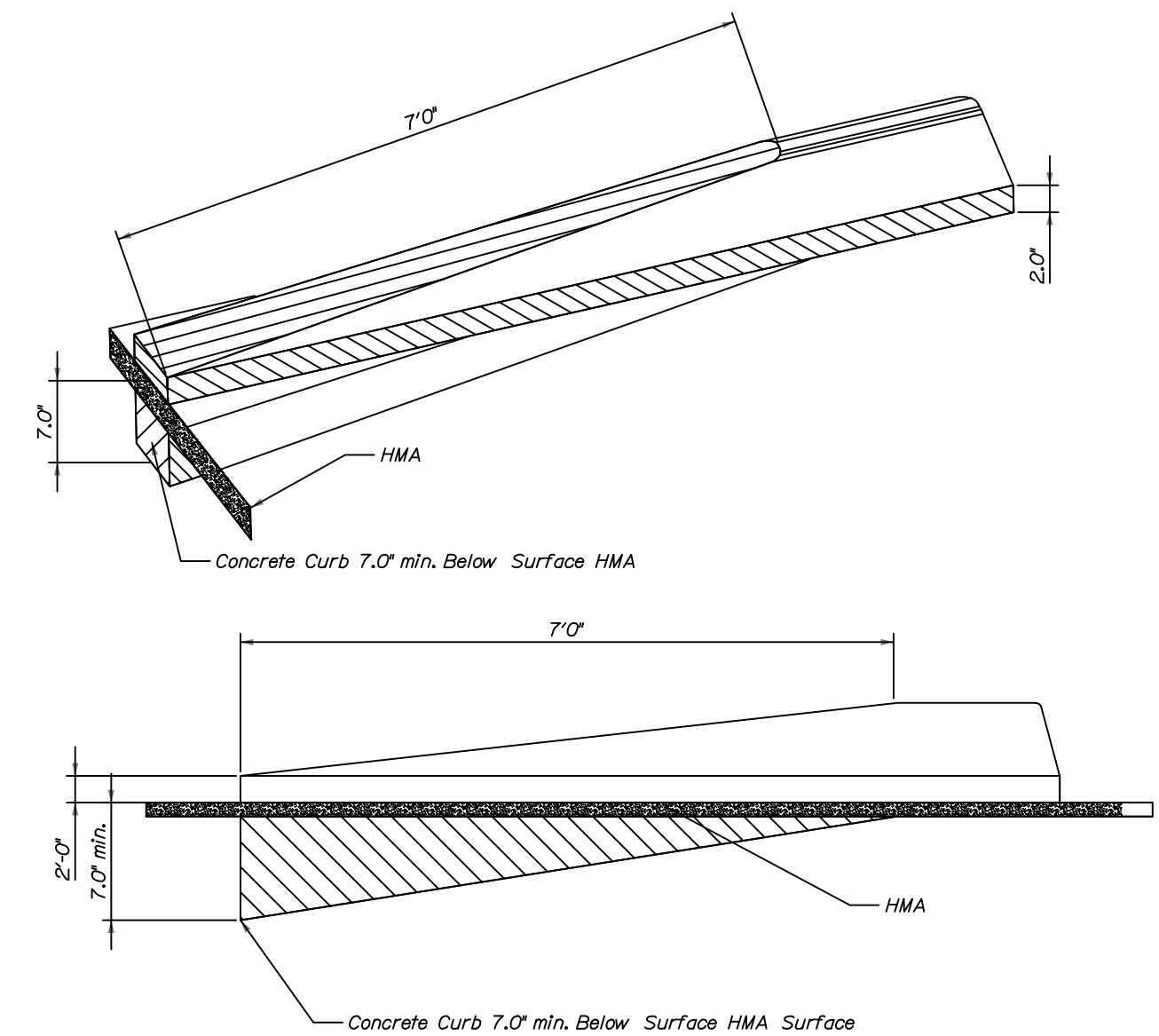
- NOTES:
1. RIPRAP SIZE D50 = 6"
 2. IN DEFINED CHANNELS, APRON SHALL EXTEND FULL WIDTH OF BOTTOM AND ONE FOOT ABOVE MAX. TAILWATER OR UP TO BANK FULL, WHICHEVER IS LESS.

RIPRAP INLET/OUTLET PROTECTION
NOT TO SCALE



- NOTES:
1. TRANSVERSE CROSSWALK LINE SHALL NOT BE LESS THAN 6-INCHES OR GREATER THAN 24-INCHES.
 2. WHEN DIAGONAL OR LONGITUDINAL LINES ARE USED TO MARK A CROSSWALK, THE TRANSVERSE CROSSWALK LINE MAY BE OMITTED.
 3. DIAGONAL OR LONGITUDINAL LINES SHALL NOT BE LESS THAN 12-INCHES WIDE OR GREATER THAN 24-INCHES WIDE AND SHOULD BE SPACED 12 TO 24 INCHES APART. SPACING DESIGN SHOULD AVOID THE WHEEL PATHS.
 4. AT NONINTERSECTION PEDESTRIAN CROSSINGS, WARNING SIGNS SHALL BE INSTALLED WITH ADEQUATE VISIBILITY.

CROSSWALK MARKINGS DETAIL
NOT TO SCALE



TIPDOWN DETAIL
NOT TO SCALE

