

CITY OF MARINA

MONTEREY COUNTY, CALIFORNIA

MARINA MUNICIPAL AIRPORT

TAXILANE REHABILITATION

AIP NO. 3-06-0367-020-2025

APRIL, 2025

GENERAL PROJECT DESCRIPTION

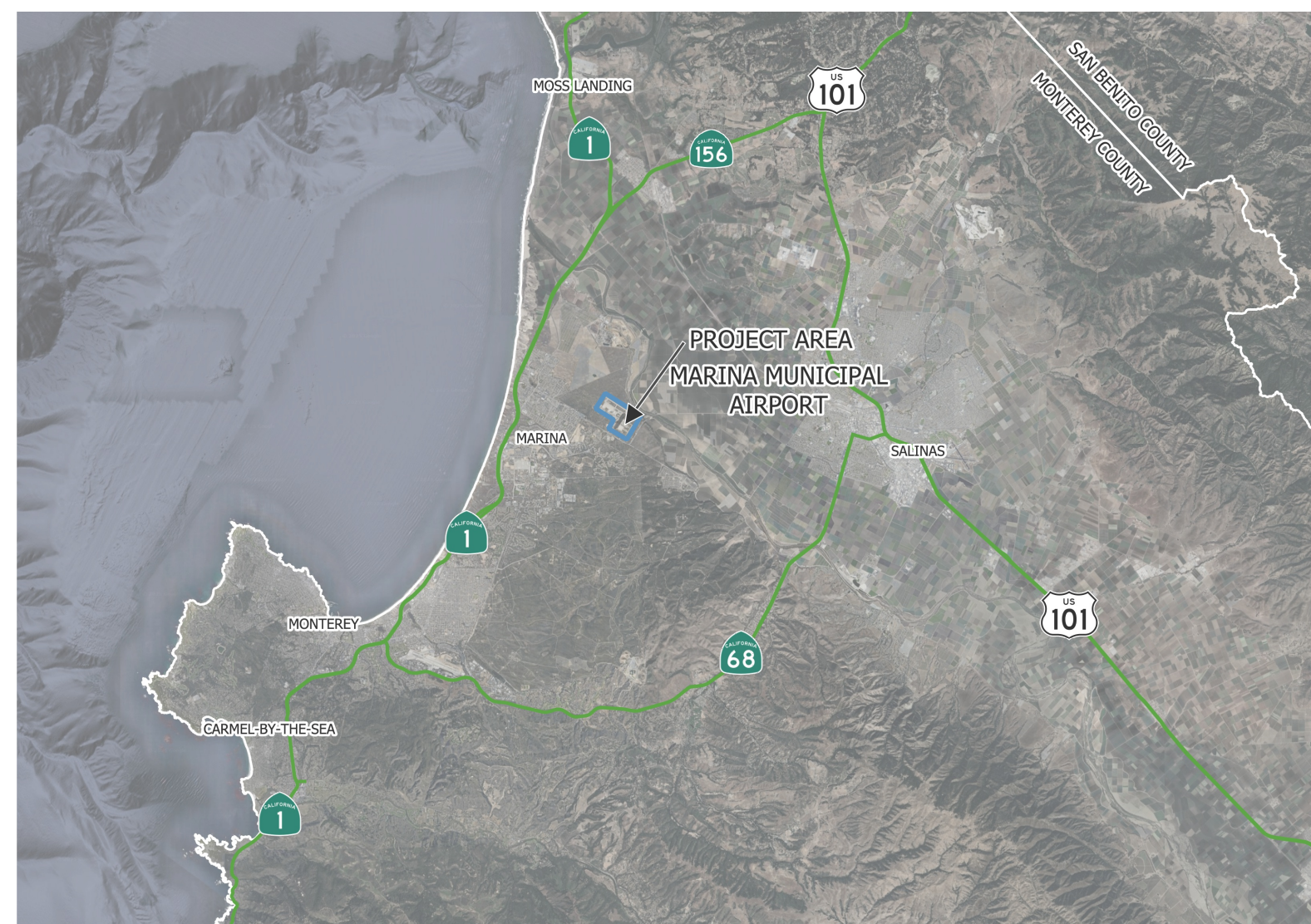
THIS PROJECT FOCUSES ON ADDRESSING SURFACE IRREGULARITIES AND PAVEMENT DEFICIENCIES WITH TAXILANE ALPHA THROUGH VARIABLE DEPTH COLD MILLING THE EXISTING SURFACE AND PAVING BACK TO MATCH EXISTING GRADES.

GENERAL CONSTRUCTION ELEMENTS

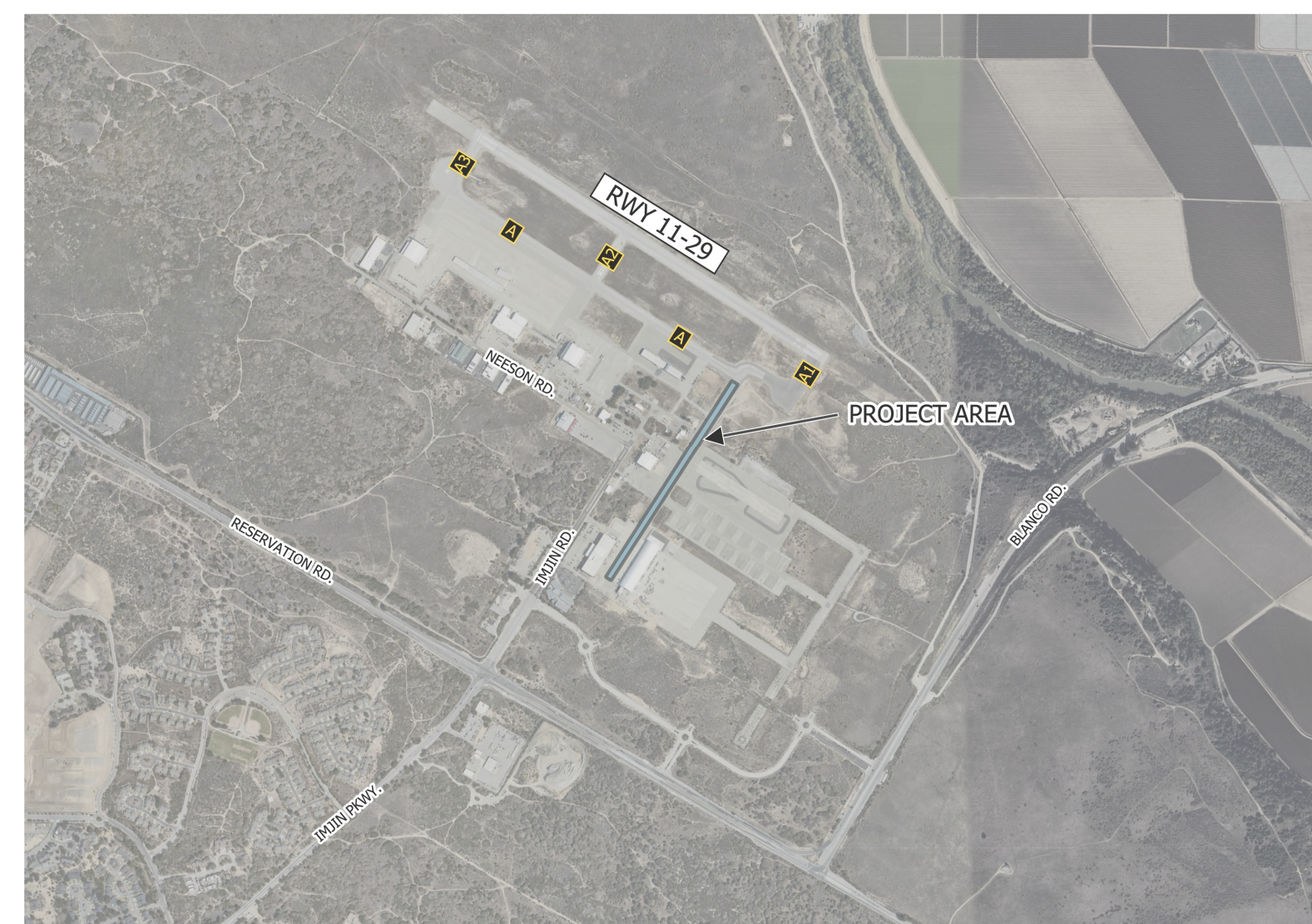
1. AIRFIELD SAFETY AND SECURITY.
2. CONSTRUCTION SITE ENVIRONMENTAL COMPLIANCE.
3. REMOVAL OF EXISTING ASPHALT PAVEMENT THROUGH VARIABLE THICKNESS COLD MILLING.
4. REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PANEL.
5. ASPHALT PAVING.
6. ASPHALT PAVEMENT MARKINGS INCLUDING TAXIWAY CENTERLINE AND EDGE LINES.
7. PLACEMENT AND COMPACTION OF RECYCLED ASPHALT GRINDING INFIELD SECTION.

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04	DEMOLITION AND GRIND PLAN	STA: 11+00 TO STA: 21+00
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12	MARKING PLAN	TAXILANE REHABILITATION
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VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

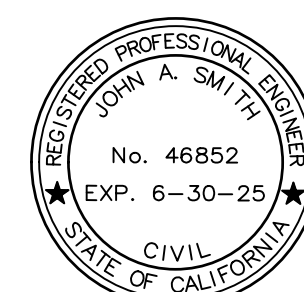
CITY COUNCIL

MAYOR BRUCE CARLOS DELGADO
 MAYOR PRO TERM LIESBETH VISSCHER
 COUNCIL MEMBER BRIAN MCCARTHY
 COUNCIL MEMBER KATHY Y. BIALA
 COUNCIL MEMBER JENNY MCADAMS

CITY OFFICIALS

CITY MANAGER LAYNE LONG
 AIRPORT SERVICES MANAGER ADARIAN LAWSON

SUBMITTED _____ DATE _____
 JOHN A. SMITH RCE 46852
 PROJECT ENGINEER



REV.	DESCRIPTION	DATE	APP.

UNDERGROUND SERVICE ALERT
 DIAL 811
 TWO WORKING DAYS BEFORE YOU DIG

01 OF 13
 SHEET

TARTAGLIA ENGINEERING

21-106
 DRAWING NO.

PROJECT DATE: 4/1/2025

GENERAL NOTES:

- UNLESS STATED ELSEWHERE, MARINA MUNICIPAL AIRPORT WILL REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION.
- THE MARINA MUNICIPAL AIRPORT AIR-BAND RADIO FREQUENCY IS 122.7 MHZ. CONTRACTOR FOREMAN MUST HAVE AN AIR-BAND RADIO ON HAND AT ALL TIMES, TUNED TO THE PROPER FREQUENCY.
- NO EQUIPMENT OR MATERIAL STORAGE SHALL BE INSIDE THE BUILDING RESTRICTION LINE (BRL).
- CONTRACTOR FORCES TO REMAIN CLEAR OF THE RUNWAY OBJECT FREE AREA (ROFA) AT ALL TIMES.
- ONE POSSIBLE SOURCE OF CONSTRUCTION WATER IS BY A METER, FROM THE MARINA COAST WATER DISTRICT. CONTRACTOR TO ACQUIRE CONSTRUCTION WATER METER ANY PAY FOR THE COSTS ASSOCIATED.

AIRPORT SAFETY AND SECURITY:

- THROUGHOUT THE DURATION OF THE PROJECT, AIRPORT PERIMETER SECURITY SHALL REMAIN EQUAL TO OR GREATER THAN WHAT CURRENTLY EXISTS.
- CONTRACTOR TO PRACTICE AUTOMATIC GATE PROTOCOL MUST:
 - REMAIN IN CLOSE PROXIMITY UNTIL THE GATE COMES TO A COMPLETE CLOSE.
 - BE FULLY RESPONSIBLE FOR VEHICLES OR EQUIPMENT THAT ENTER A GATE BEHIND HIM.
 - BE PREPARED TO DENY ACCESS TO ANYONE UNAUTHORIZED FOR AIRPORT ACCESS.
 - OTHERS WITH AUTHORITY TO ENTER NOT AFFILIATED WITH THE PROJECT WILL WAIT UNTIL YOUR MOVEMENT IS COMPLETE. DO NOT ATTEMPT TO ACCOMMODATE.
- ALL VEHICLES AND EQUIPMENT ENTERING THE AIRPORT MUST BE LABELED WITH THE NAME OF THE FIRM ON AT LEAST TWO SIDES OF THE VEHICLE.
- ALL VEHICLES AND EQUIPMENT MUST BE EQUIPPED WITH AN ORANGE AND WHITE CHECKERED SAFETY FLAG (DAYTIME) OR ROTATING AMBER BEACON (DAYTIME OR NIGHT TIME), AT THE HIGHEST POINT OF THE VEHICLE.

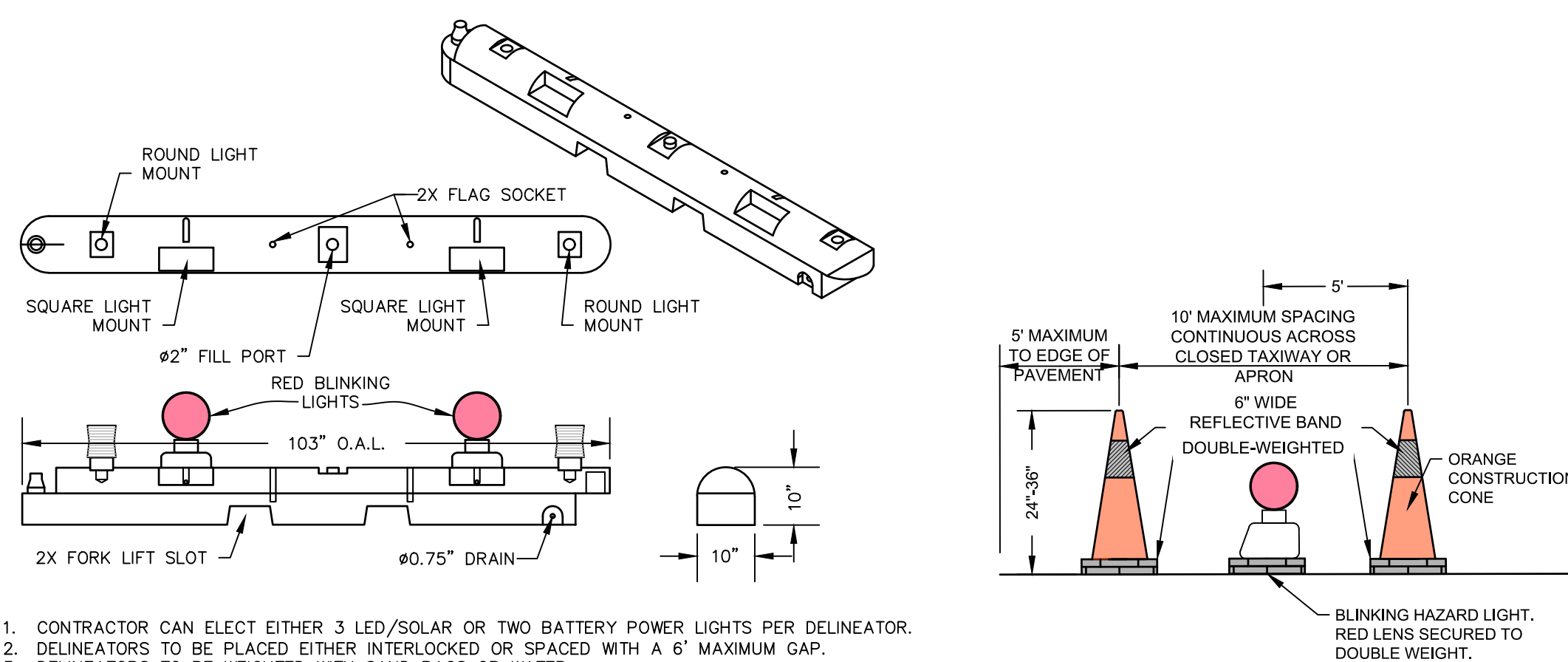
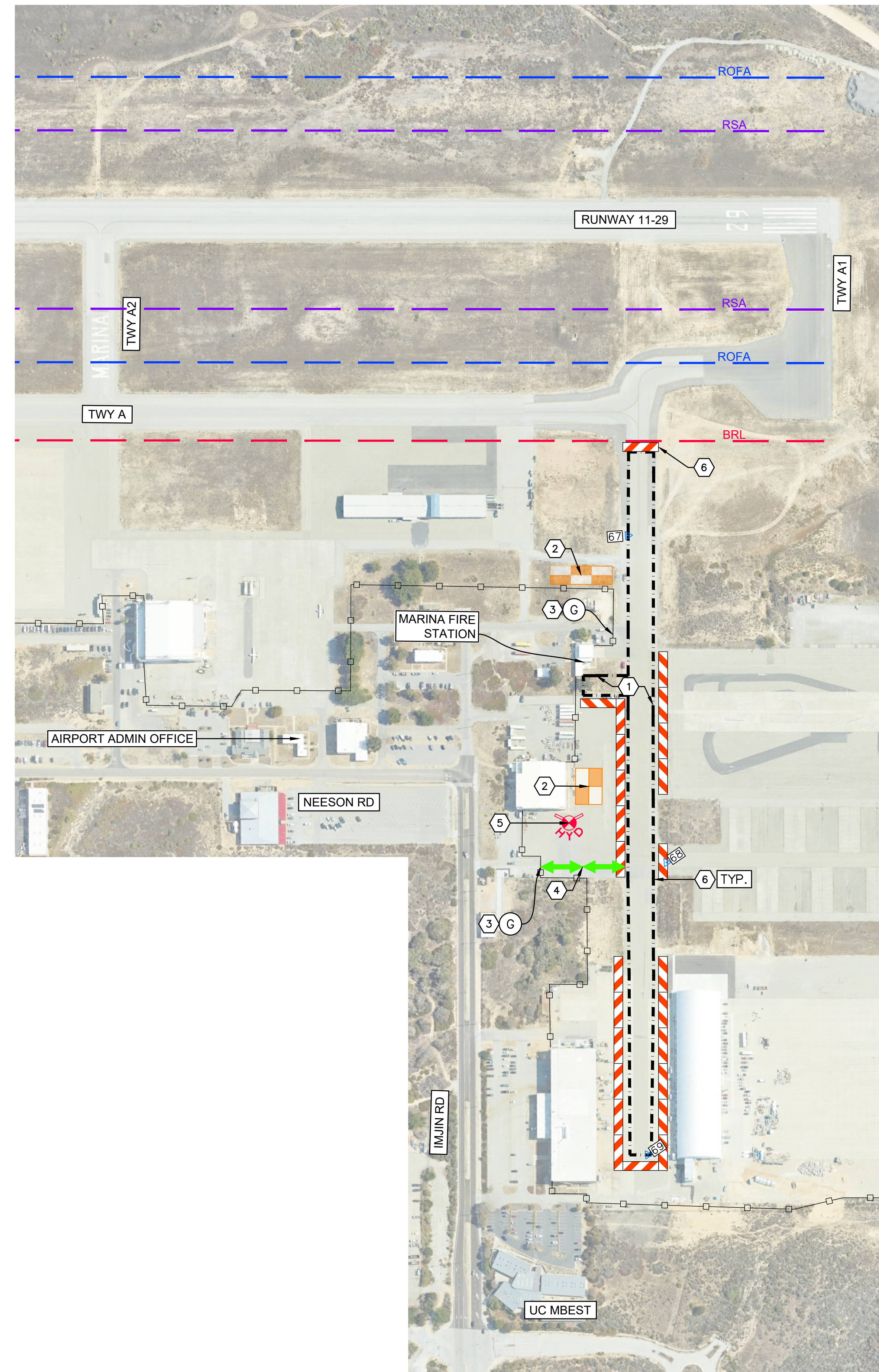
REFERENCE NOTES:

- AREA OF WORK.
- CONTRACTOR YARD, MATERIAL AND EQUIPMENT STORAGE.
- CONTRACTOR POINT OF ACCESS TO AIRPORT.
- CONTRACTOR PATH OF TRAVEL.
- FIRE HYDRANT. POSSIBLE SOURCE OF CONSTRUCTION WATER.
- TAXIWAY CLOSURE DELINEATION, IN ACCORDANCE WITH DETAIL A, THIS SHEET.

LEGEND:

- AIRPORT FENCE LINE
- RSA RUNWAY SAFETY AREA
- ROFA RUNWAY OBJECT FREE AREA
- BRL BUILDING RESTRICTION LINE
- WORK AREA
- CONTRACTOR YARD
- CONTRACTOR HAUL ROUTE
- AIRPORT ENTRANCE GATE
- TAXIWAY CLOSED DELINEATION
- FIRE HYDRANT
- PROJECT CONTROL POINT SEE TABLE, THIS SHEET.

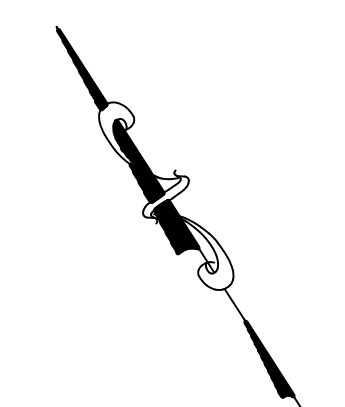
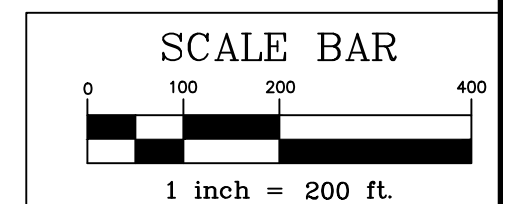
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68	140.19	2140680.86	5752073.09	MAG&SHINER
69	144.15	2140033.76	5751567.83	CUT X



- CONTRACTOR CAN ELECT EITHER 3 LED/SOLAR OR TWO BATTERY POWER LIGHTS PER DELINEATOR.
- DELINEATORS TO BE PLACED EITHER INTERLOCKED OR SPACED WITH A 6" MAXIMUM GAP.
- DELINEATORS TO BE WEIGHTED WITH SAND BAGS OR WATER.

LOW PROFILE BARRICADE W/ LIGHTS OR CONSTRUCTION CONES W/ LIGHTS

TAXIWAY CLOSURE DELINEATION A
DETAIL 02
NO SCALE



UNDERGROUND SERVICE ALERT
811 DIAL 811
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PROJECT LAYOUT PLAN
PLAN VIEW

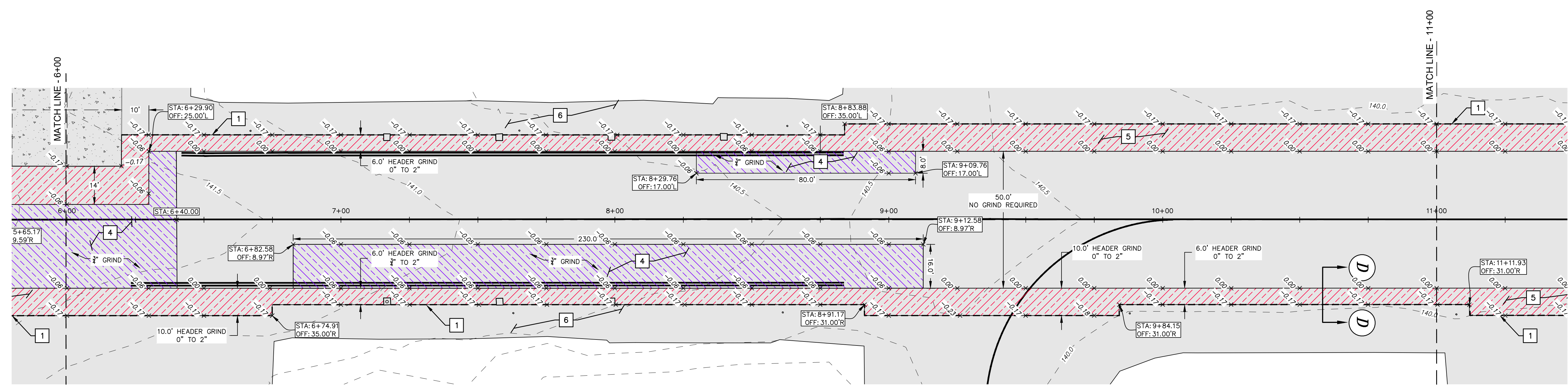
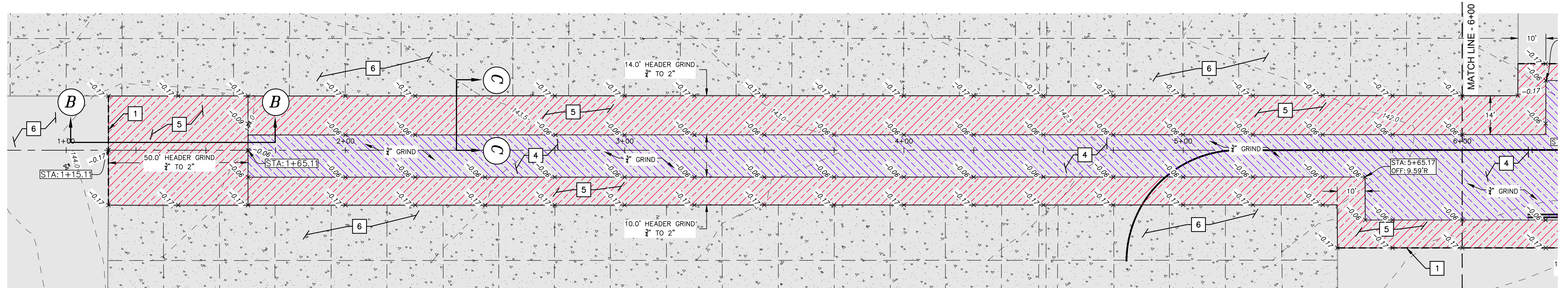
REV.	DESCRIPTION	DATE	APP.
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TARTAGLIA ENGINEERING
MARINA MUNICIPAL AIRPORT
TAXILANE REHABILITATION

DESIGN: NJG
DRAWN: NJG
CHECKED: JTH
DWG. NO.: 21-106
DATE: 04/10/2025
SHEET: 02 of 13

REGISTERED PROFESSIONAL ENGINEER
JACOB A. SMITH
No. 46852
EXP. 6-30-25
CIVIL
STATE OF CALIFORNIA

PILOT DATE: 11/2025

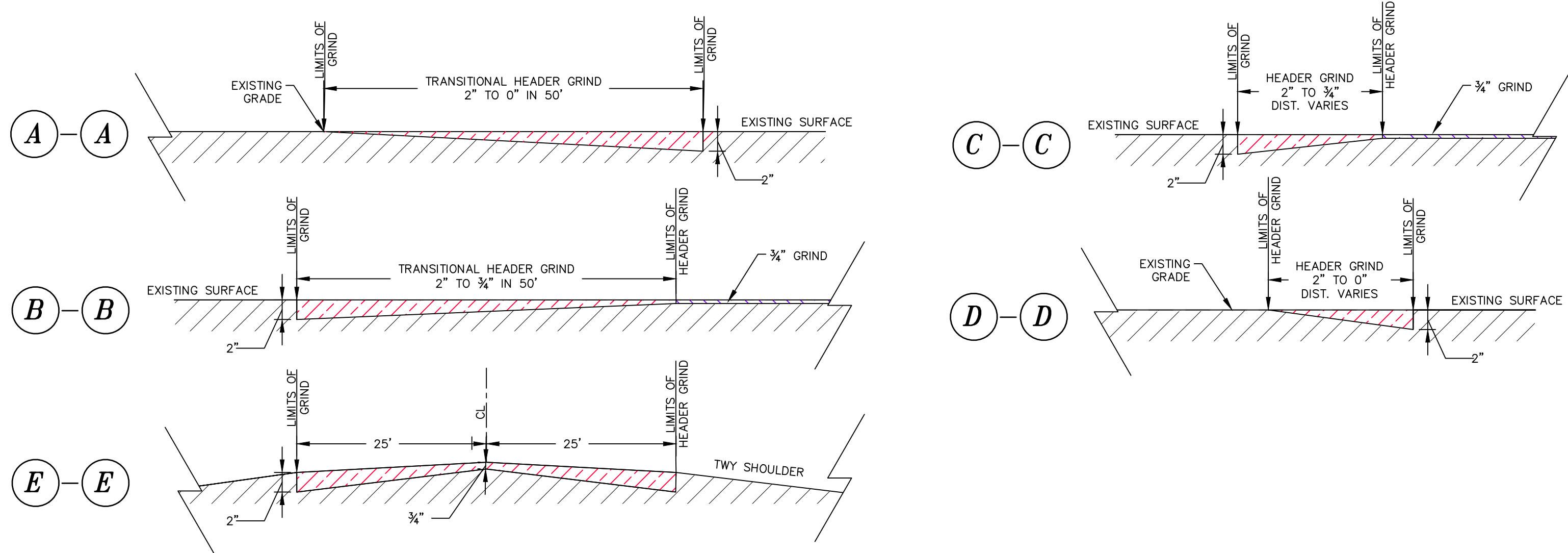


DEMOLITION NOTES (SHEETS 03 & 04):

1. SAWCUT EXISTING ASPHALT OR PORTLAND CEMENT CONCRETE, FULL DEPTH, TO CREATE A CLEAN EDGE WITHIN THE LIMITS OF REMOVAL OR PAVEMENT GRIND.
2. DEMOLISH, REMOVE, AND DISPOSE EXISTING PORTLAND CEMENT CONCRETE SLAB IN ACCORDANCE WITH DETAIL G, SHEET 13.
3. EXISTING TAXIWAY EDGE LIGHT. PROTECT IN-PLACE.
4. GRIND EXISTING ASPHALT PAVEMENT, UNIFORM DEPTH.
5. GRIND EXISTING ASPHALT PAVEMENT, VARIABLE DEPTH.
6. EXISTING ASPHALT OR PCC, PROTECT IN-PLACE.

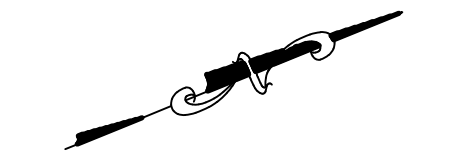
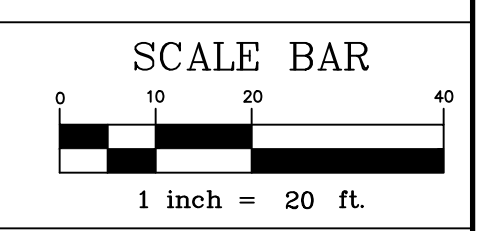
LEGEND (SHEETS 03 & 04):

- VARIABLE DEPTH PAVEMENT GRIND
- 3/4" PAVEMENT GRIND
- FULL DEPTH PAVEMENT DEMOLITION
- EXISTING SURFACE CONTOUR
- EXISTING PCC
- EXISTING ASPHALT
- PAVEMENT GRIND DEPTH LABEL
- TAXIWAY OBJECT FREE AREA



TYPICAL TRANSITION GRIND DETAILS (SHEETS 03 & 04)

NTS



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 TWO WORKING DAYS
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DEMOLITION AND GRIND PLAN

STA: 0+00 TO STA: 11+00

REV.	DESCRIPTION	DATE	APP.
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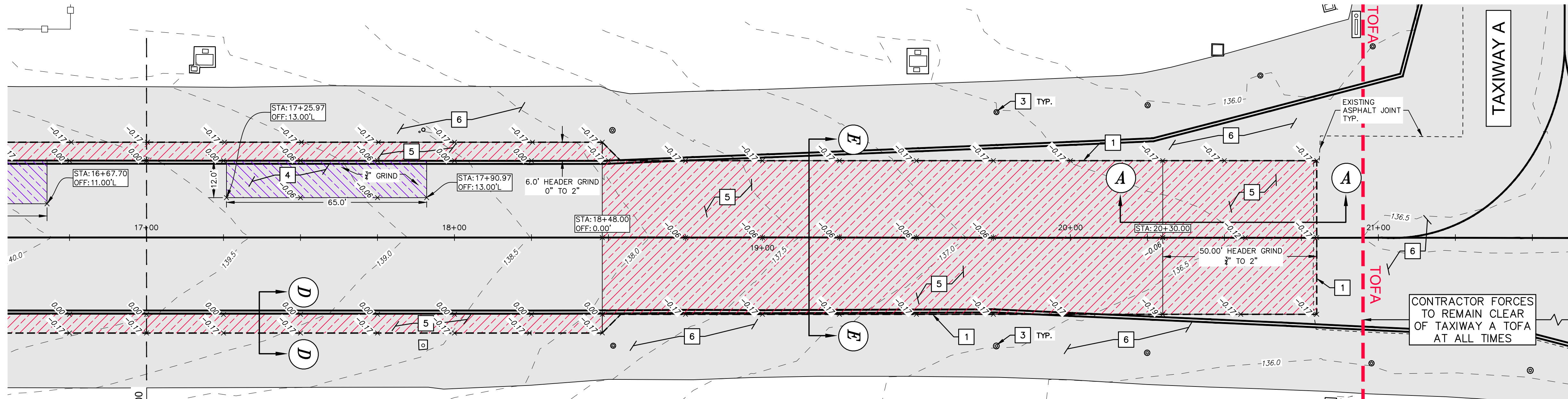
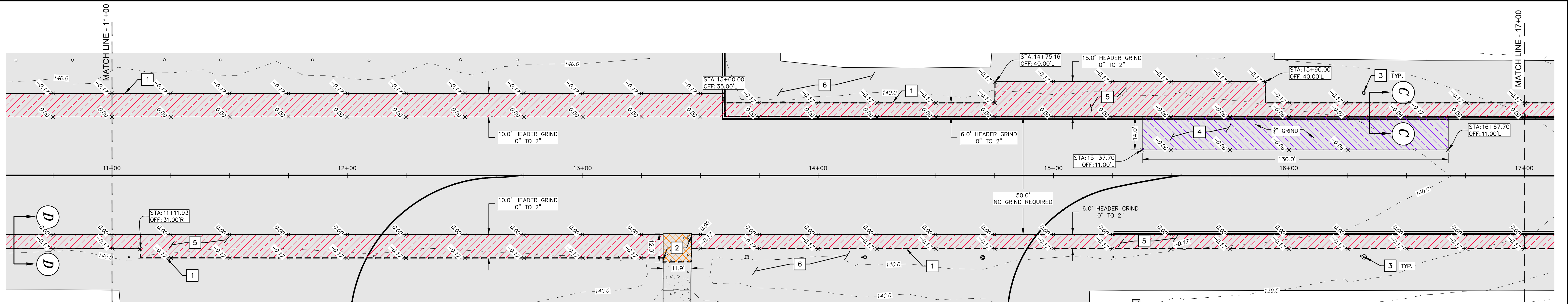
TARTAGLIA ENGINEERING

MARINA MUNICIPAL AIRPORT
 TAXILANE REHABILITATION

REGISTERED PROFESSIONAL ENGINEER
 JACOB A. SMITH
 No. 46852
 EXP. 6-30-25
 CIVIL
 STATE OF CALIFORNIA

DESIGN JTH
DRAWN JTH
CHECKED JTH
DWG. NO. 21-106
DATE 04/10/2025
SHEET 03 of 13

PLOT DATE: 11/20/25

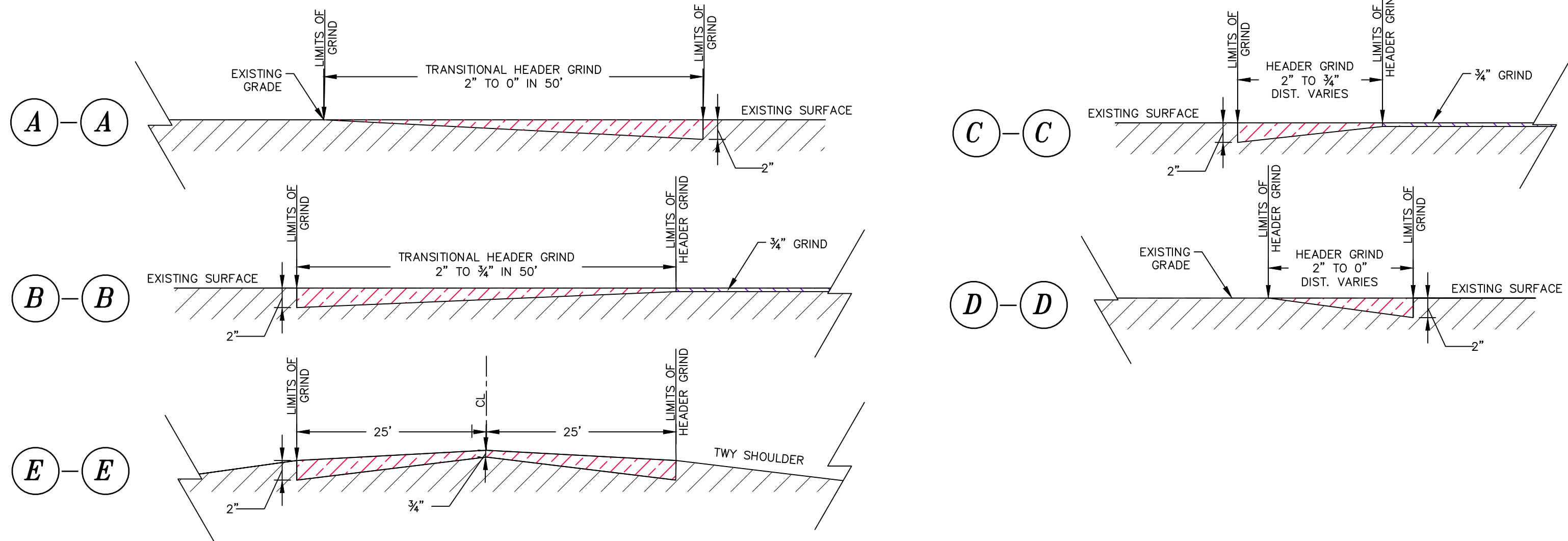


DEMOLITION NOTES (SHEETS 03 & 04):

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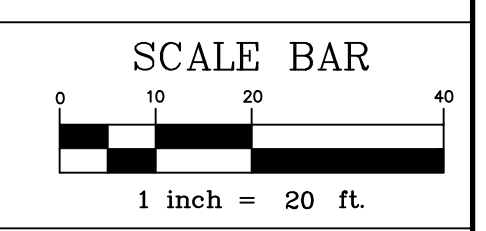
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- 3/4" PAVEMENT GRIND
- SAWCUT
- FULL DEPTH PAVEMENT DEMOLITION
- EXISTING SURFACE CONTOUR
- EXISTING PCC
- EXISTING ASPHALT
- PAVEMENT GRIND DEPTH LABEL
- TOFA TAXIWAY OBJECT FREE AREA



TYPICAL TRANSITION GRIND DETAILS (SHEETS 03 & 04)

NTS



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DEMOLITION AND GRIND PLAN

STA. 11+00 TO STA. 21+00

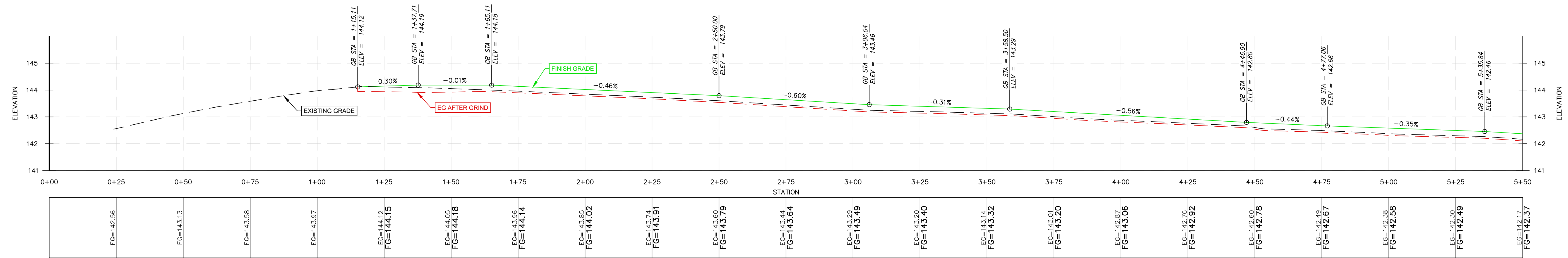
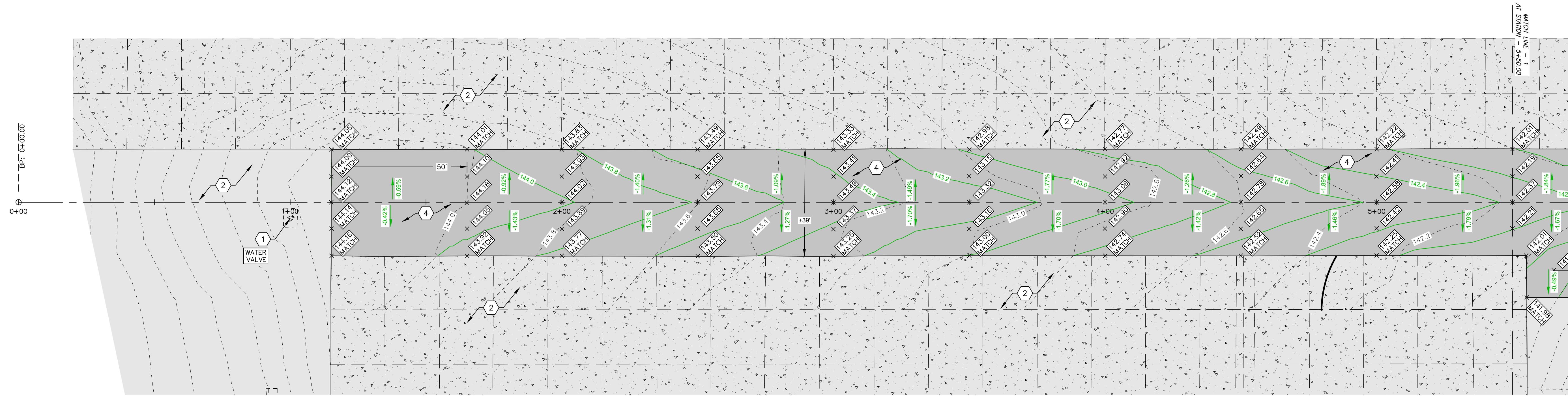
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 JOHN A. SMITH
 No. 46852
 EXP. 6-30-25
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 SHEET 04 of 13

PLOT DATE: 11/20/25

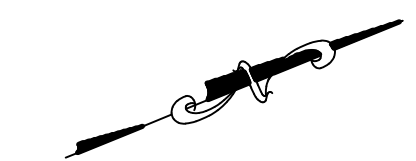
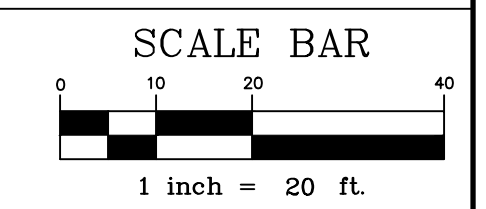


IMPROVEMENT NOTES (SHEETS 05-08):

1. EXISTING UTILITY. PROTECT-IN-PLACE.
2. EXISTING ASPHALT OR PCC PAVEMENT. PROTECT-IN-PLACE.
3. EXISTING AIRFIELD ELECTRICAL. PROTECT-IN-PLACE.
4. CONSTRUCT VARIABLE THICKNESS ASPHALT OVERLAY ON EXISTING OR GROUND SURFACE IN ACCORDANCE WITH THE GRADES AND PROFILE SHOWN.
5. RECYCLED ASPHALT GRINDINGS PLACEMENT AREA, REFER TO DETAIL I, SHEET 13.
6. RECONSTRUCT ASPHALT SECTION WHERE PCC PANEL WAS DEMOLISHED IN ACCORDANCE WITH DETAILS G & H, SHEET 13.

LEGEND (SHEETS 05-08):

- EXISTING ASPHALT PAVEMENT
- EXISTING PCC PAVEMENT
- EXISTING FENCE LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SLOPE
- GRADE BREAK
- FINISH GRADE LABEL
- MATCH GRADE LABEL
- PROPOSED ASPHALT OVERLAY
- RECYCLED AGGREGATE GRINDINGS
- TAXIWAY OBJECT FREE AREA



UNDERGROUND SERVICE ALERT
811 DIAL 811
 TWO WORKING DAYS
 BEFORE YOU DIG

IMPROVEMENT PLAN

STA: 0+00 TO STA: 5+50

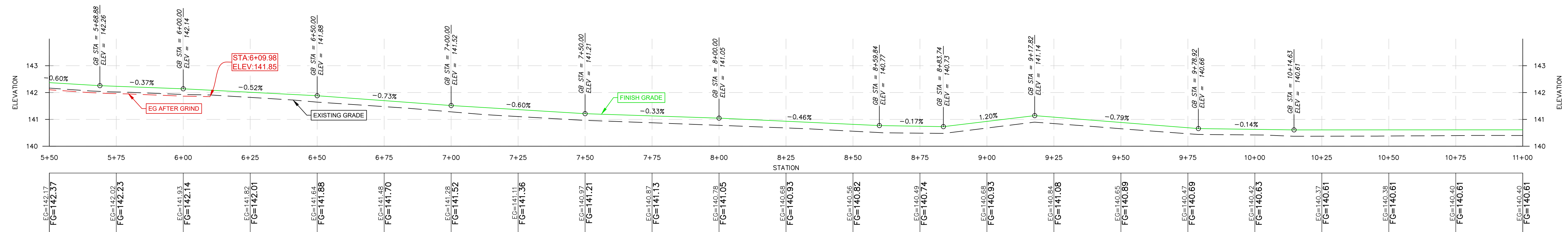
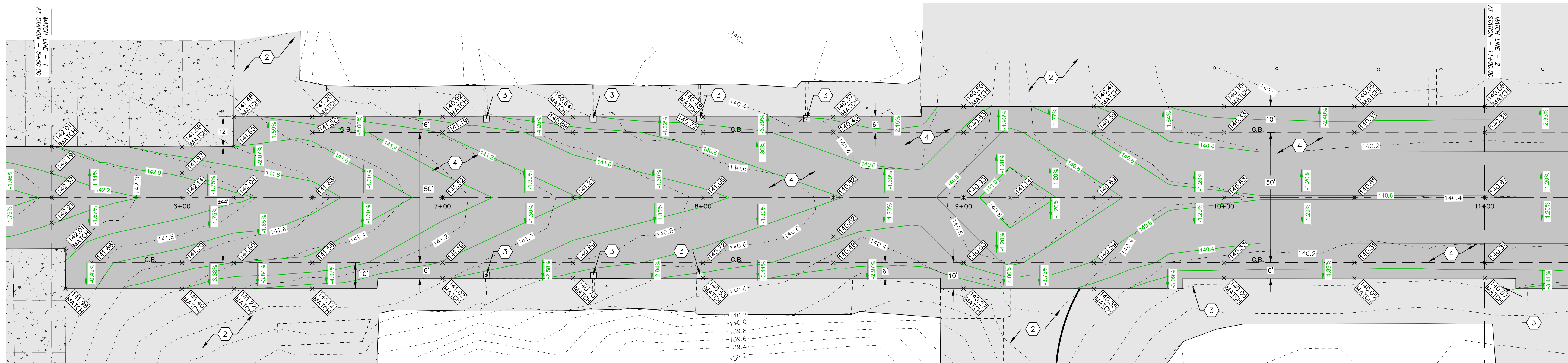
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TARTAGLIA ENGINEERING
 MARINA MUNICIPAL AIRPORT
 TAXILANE REHABILITATION

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 DATE 04/10/2025
 SHEET 05 of 13



PROJECT DATE: 11/2025

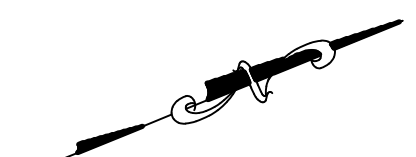
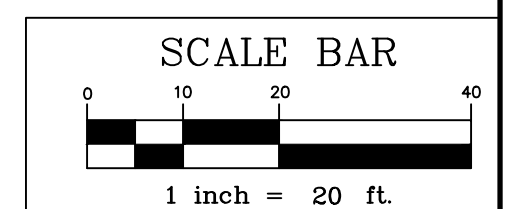


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- RECYCLED AGGREGATE GRINDINGS
- TAXIWAY OBJECT FREE AREA



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IMPROVEMENT PLAN

STA: 5+50 TO STA: 11+00

REV.	DESCRIPTION	DATE	APP.
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TARTAGLIA ENGINEERING
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 SHEET 08 of 13

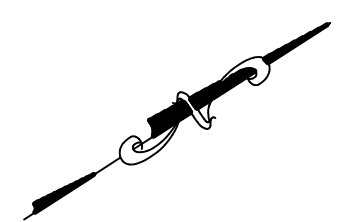
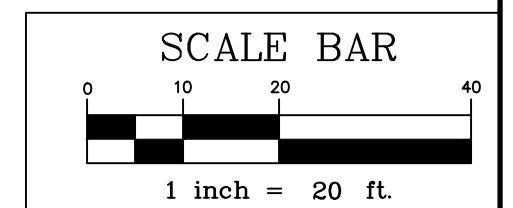
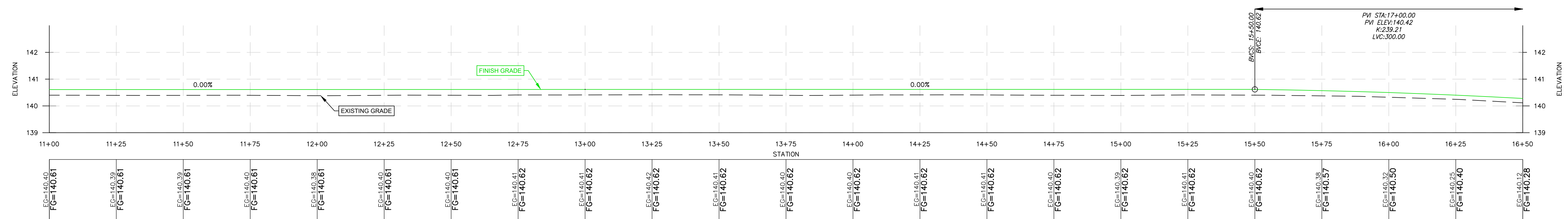
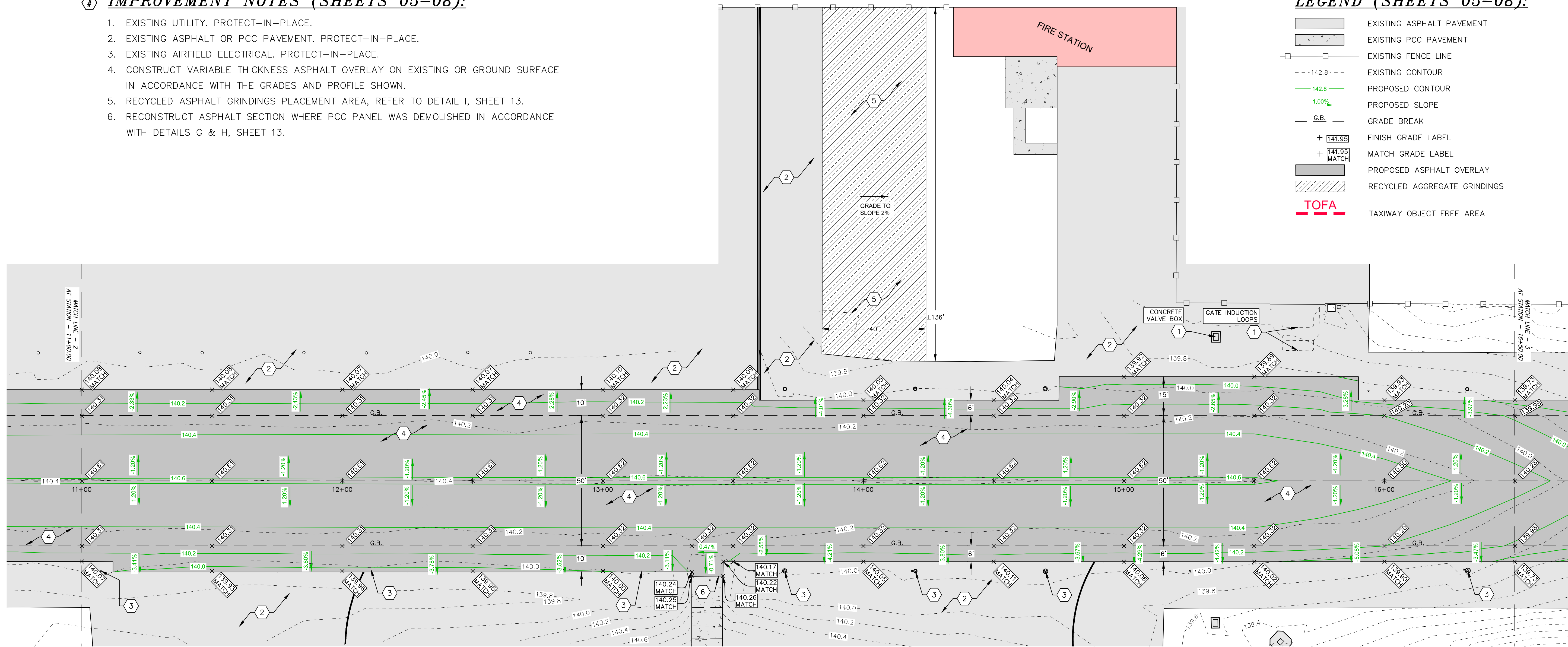
PROJECT DATE: 11/2025

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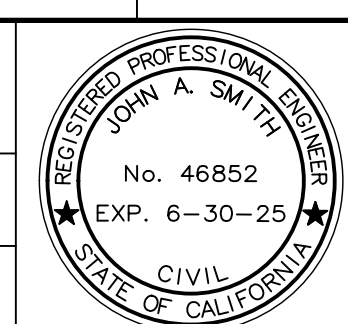
IMPROVEMENT PLAN

STA: 11+00 TO STA: 16+50

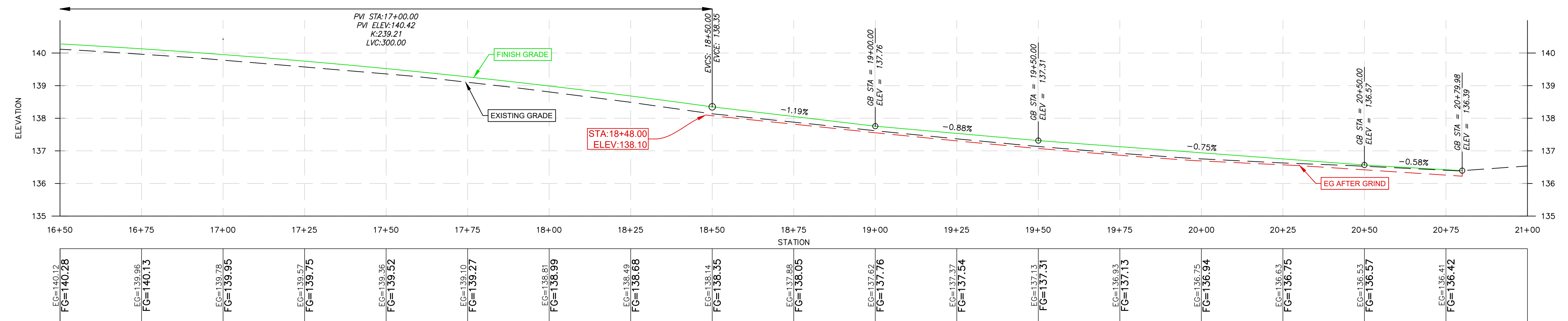
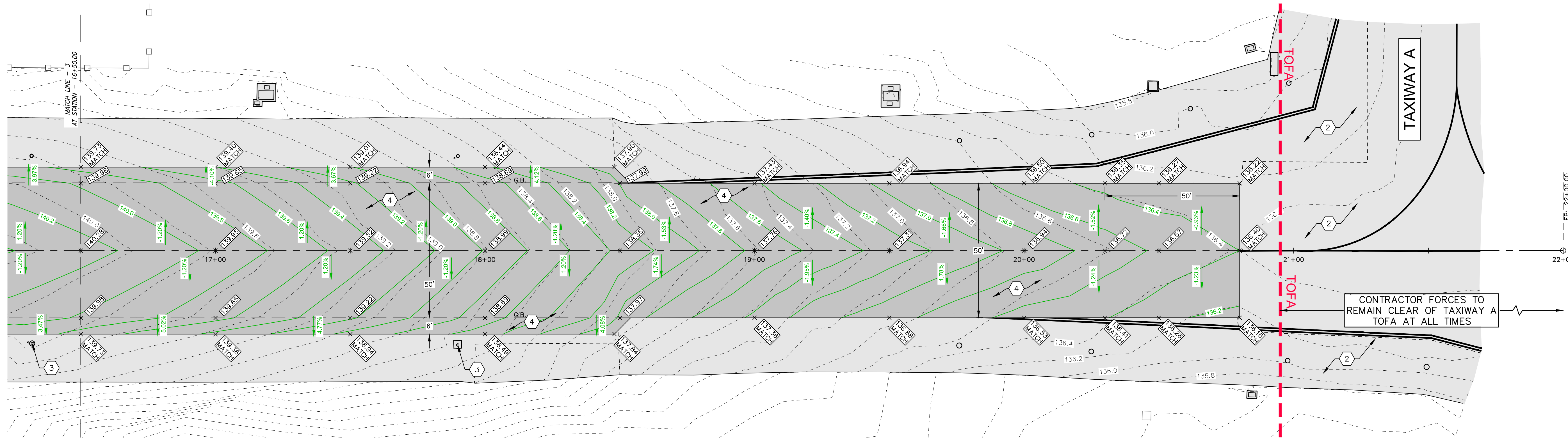
REV.	DESCRIPTION	DATE	APP.
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TARTAGLIA ENGINEERING
 MARINA MUNICIPAL AIRPORT
 TAXILANE REHABILITATION

DESIGN JTH
 DRAWN JTH
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 DATE 04/10/2025
 SHEET 07 of 13



PC:DT DATE:11/20/25

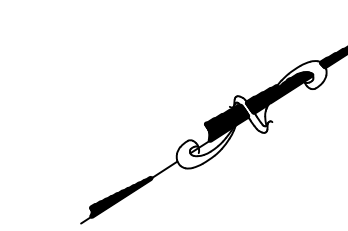
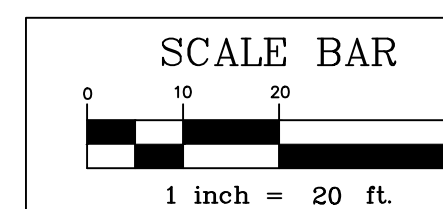


IMPROVEMENT NOTES (SHEETS 05-08):

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- TAXIWAY OBJECT FREE AREA



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IMPROVEMENT PLAN

STA: 16+50 TO STA: 21+00

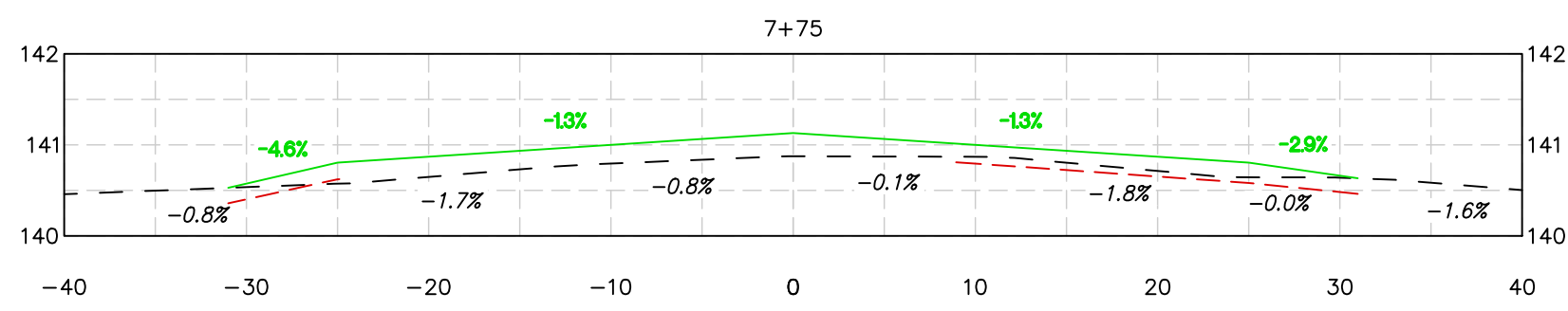
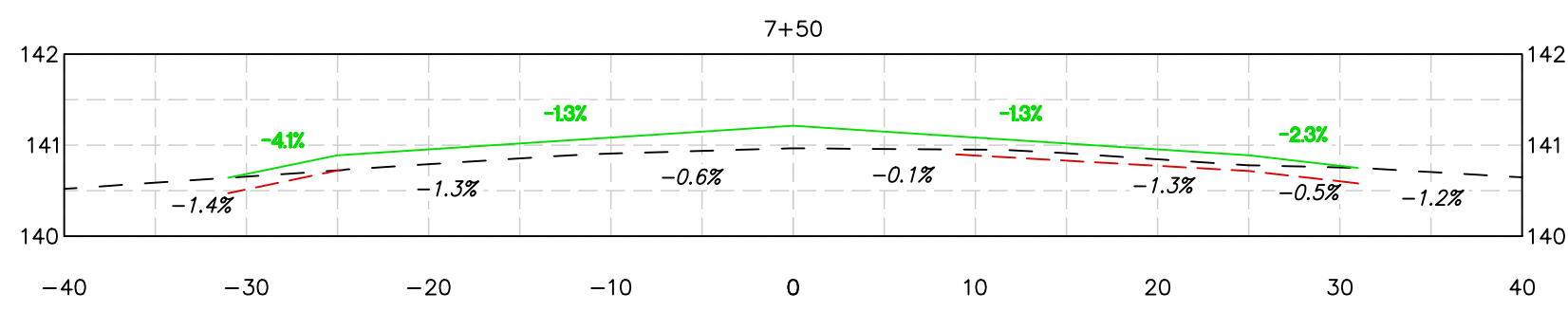
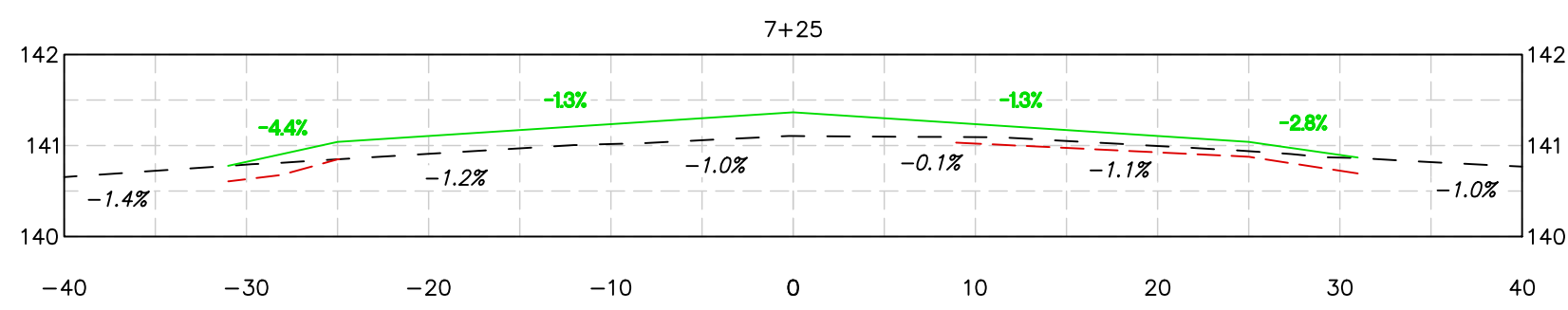
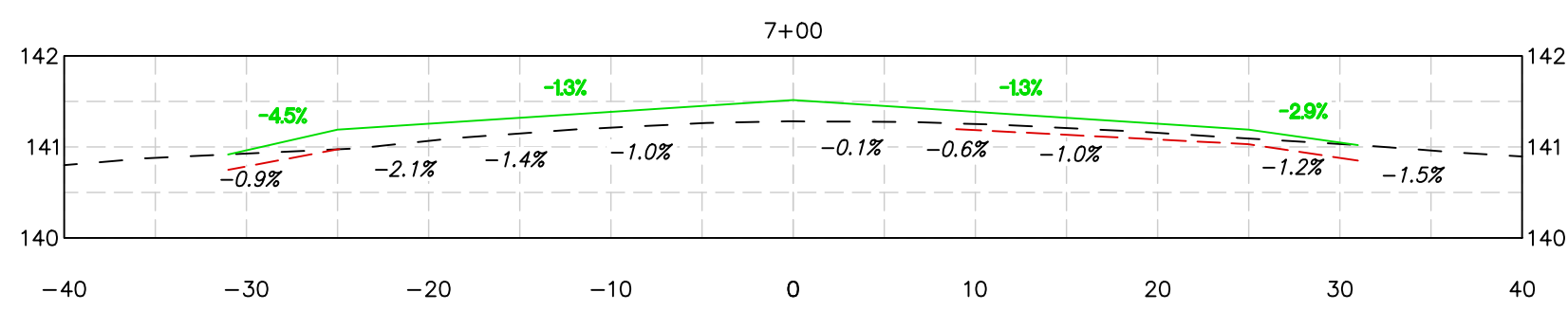
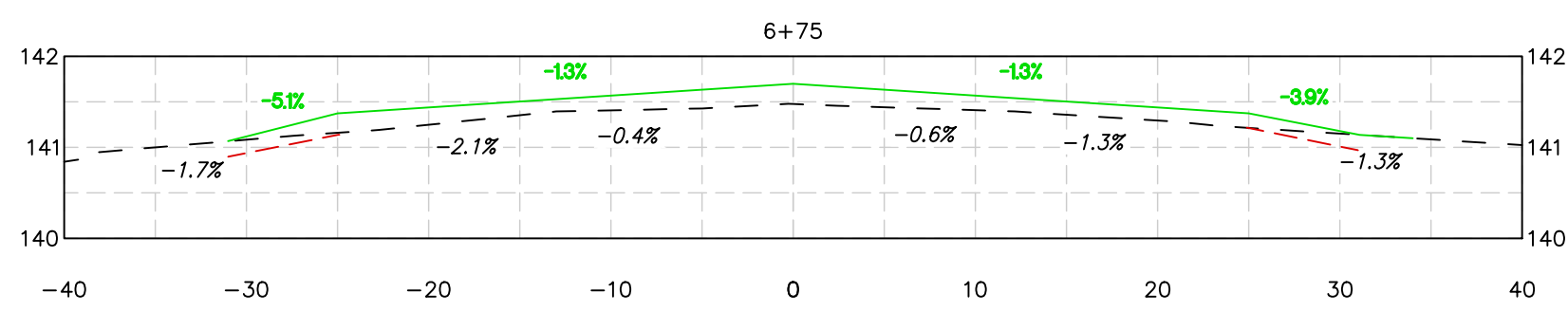
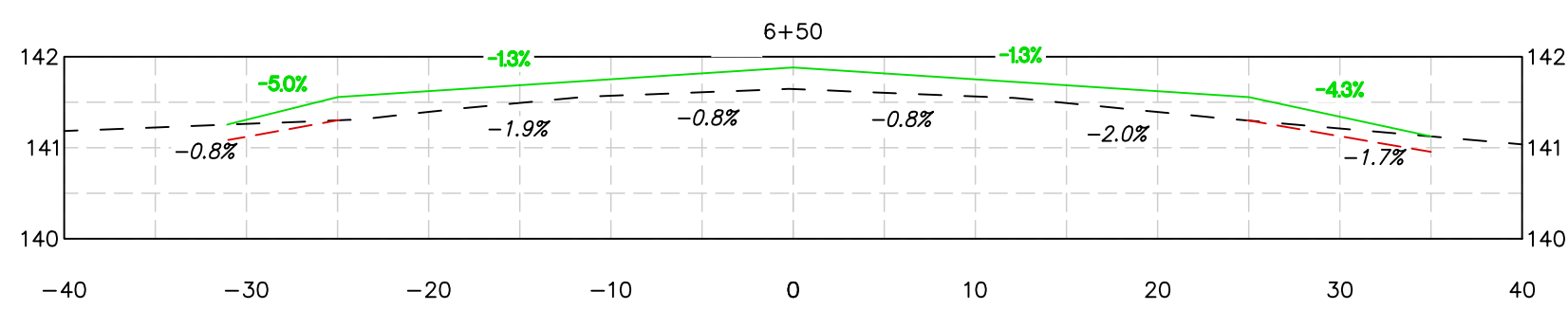
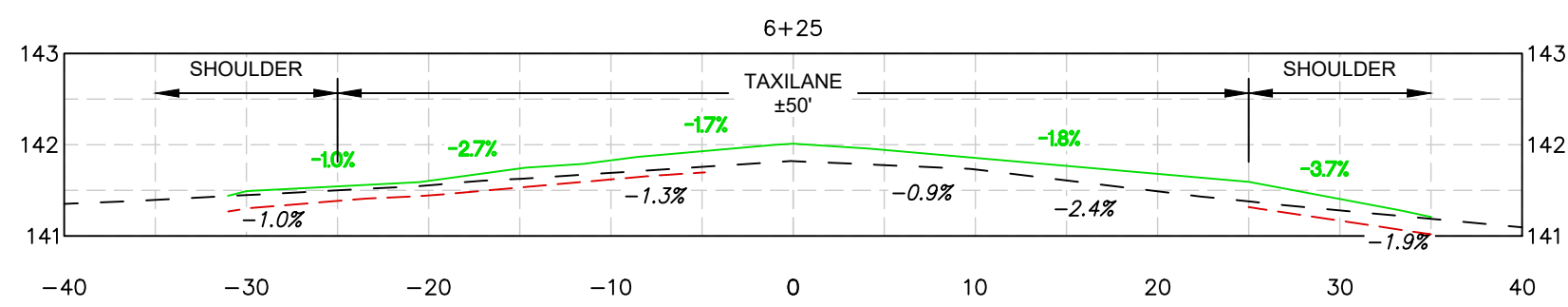
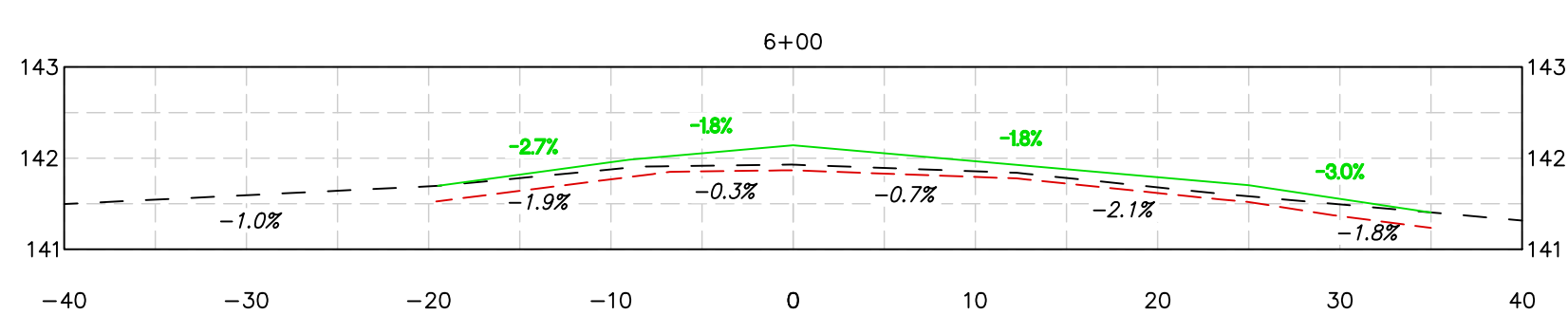
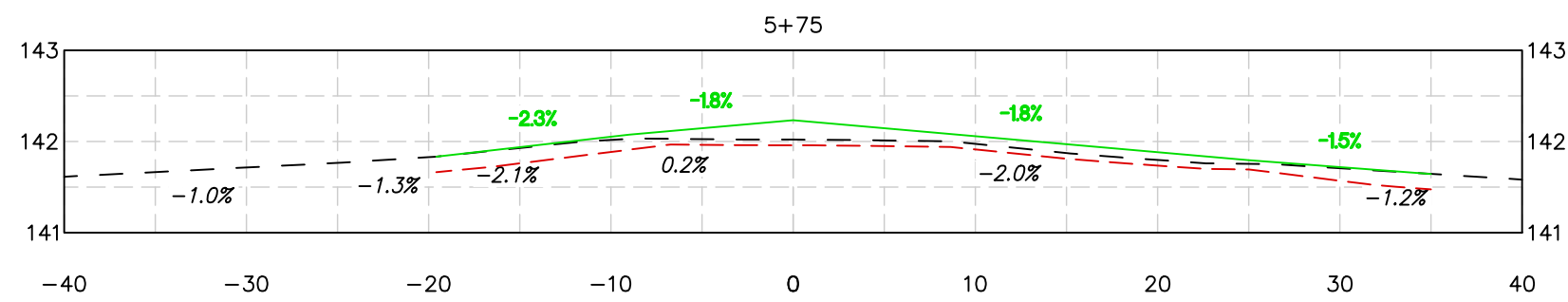
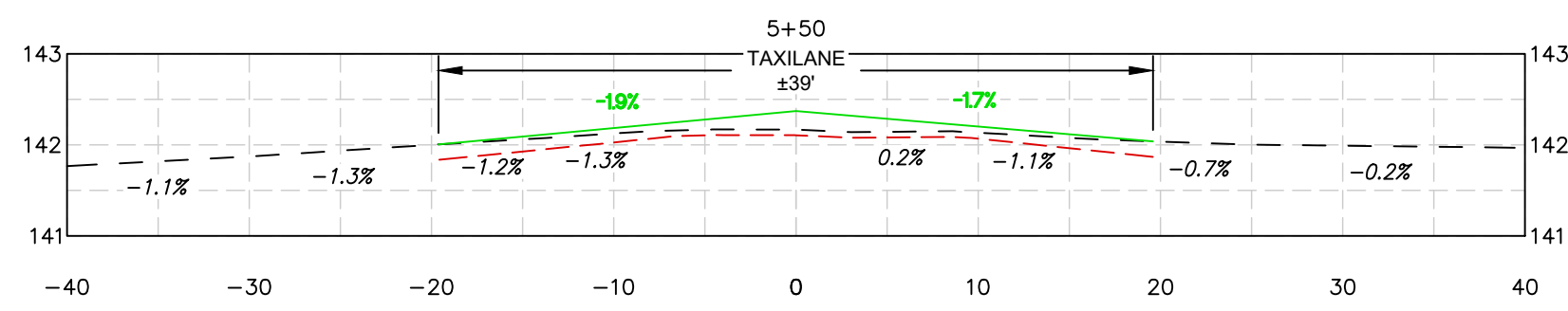
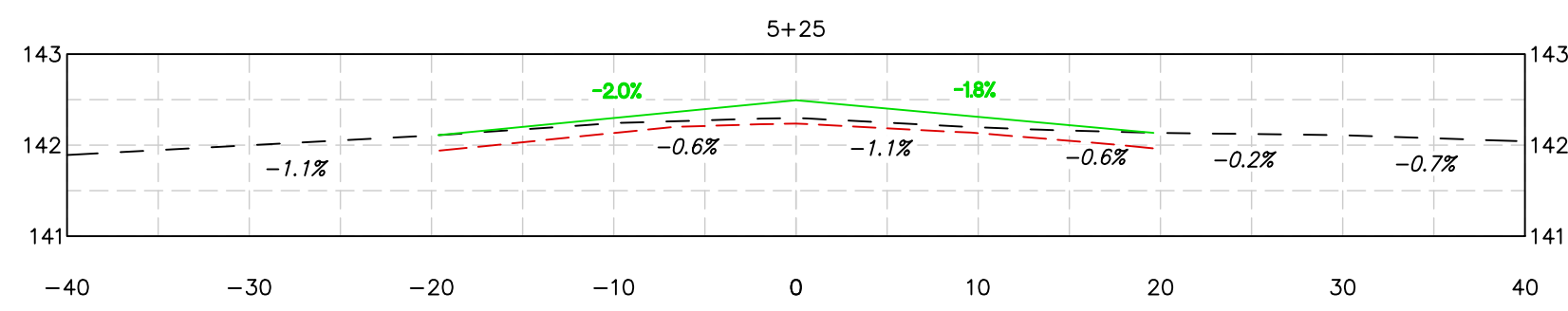
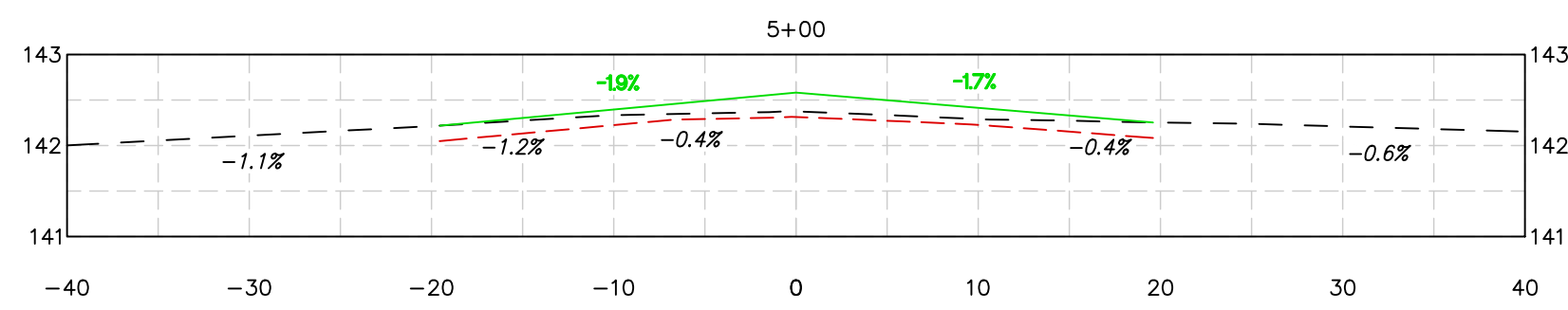
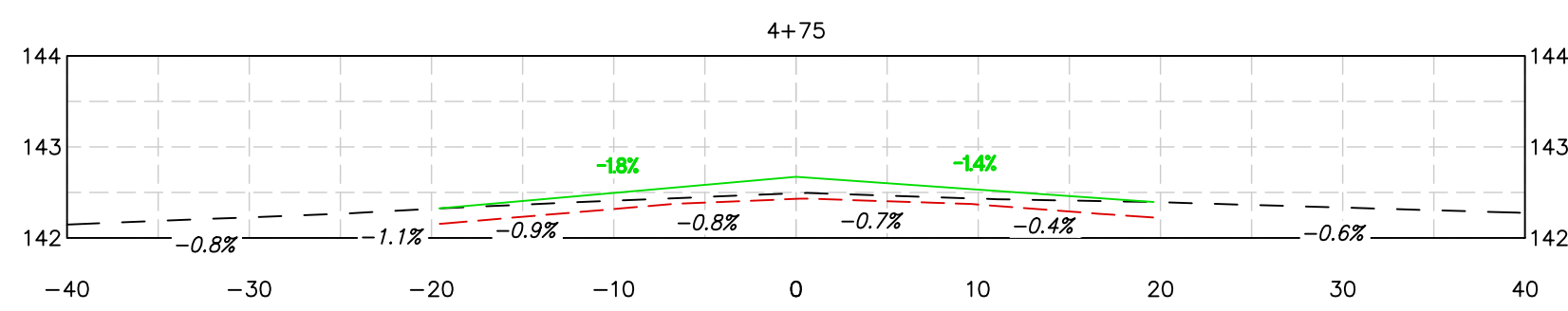
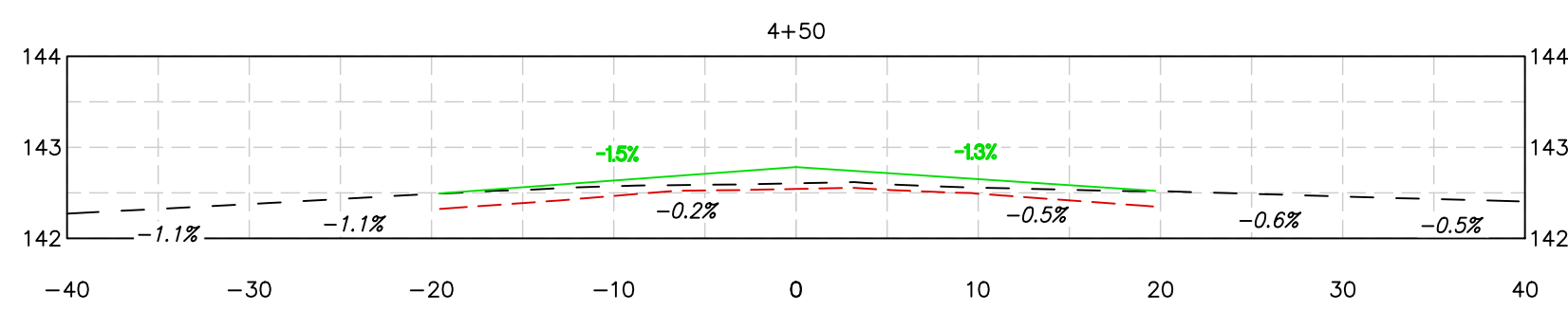
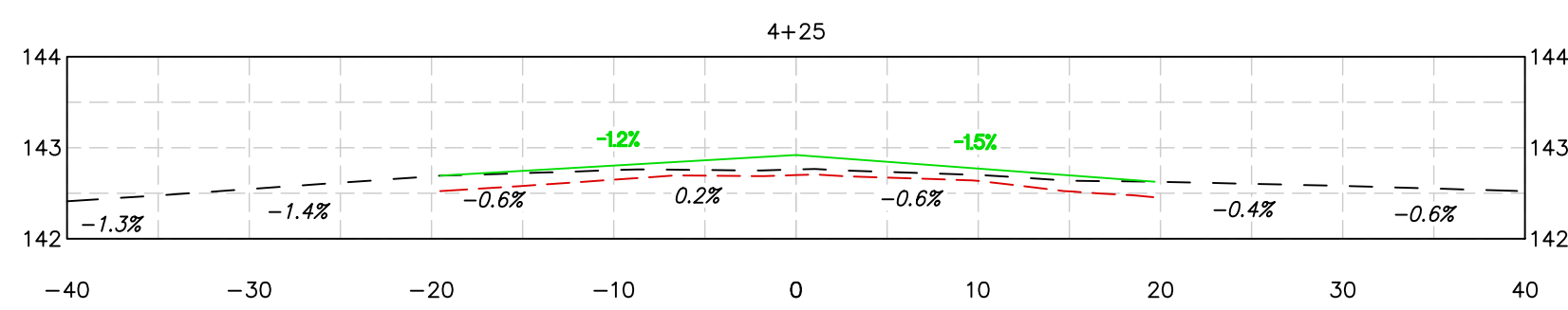
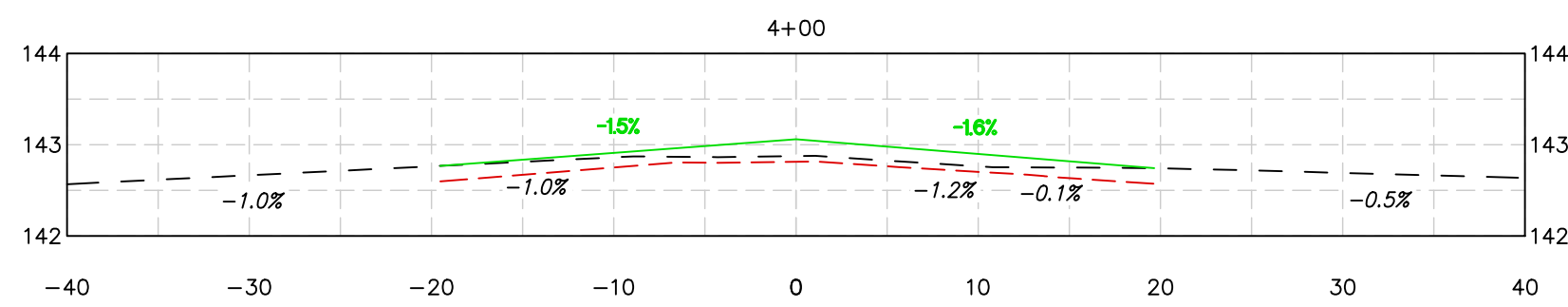
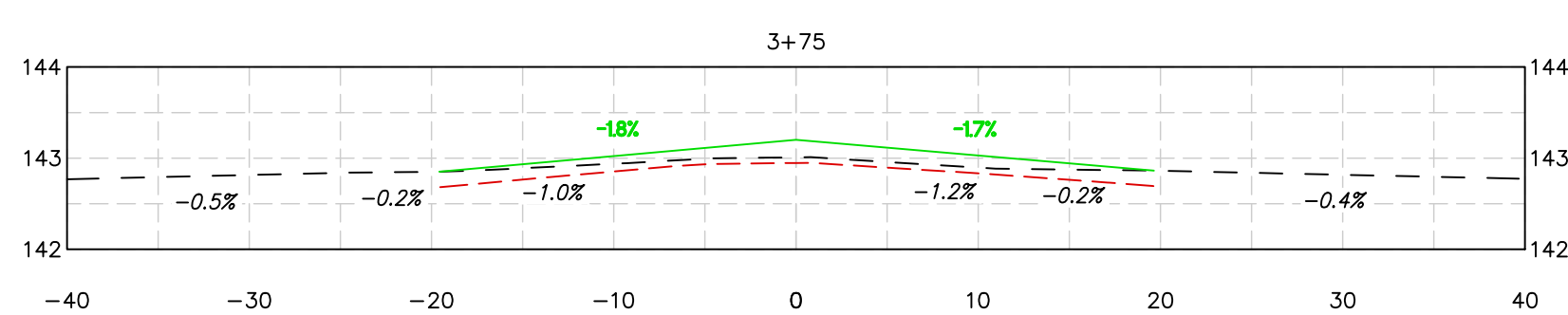
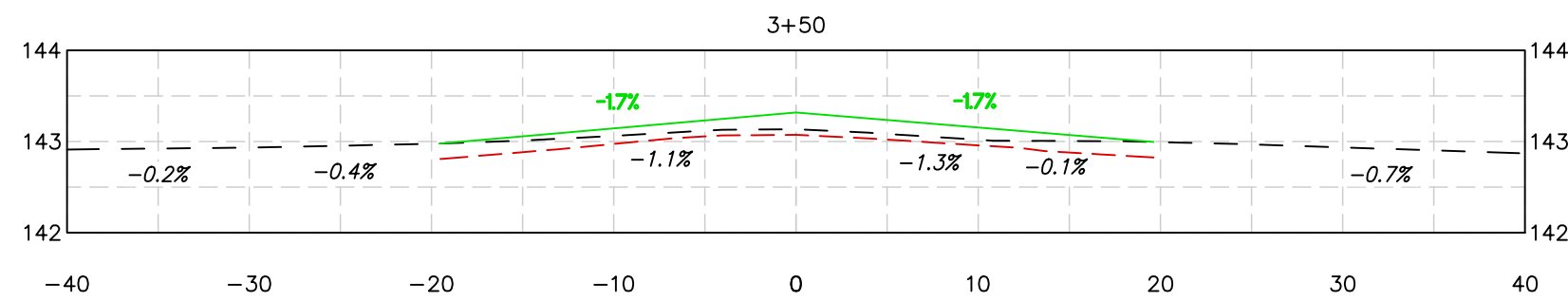
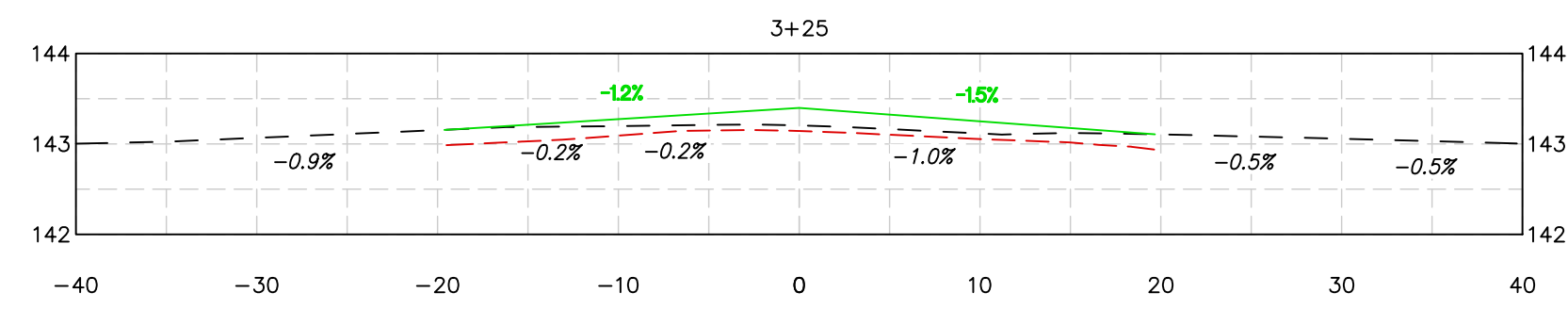
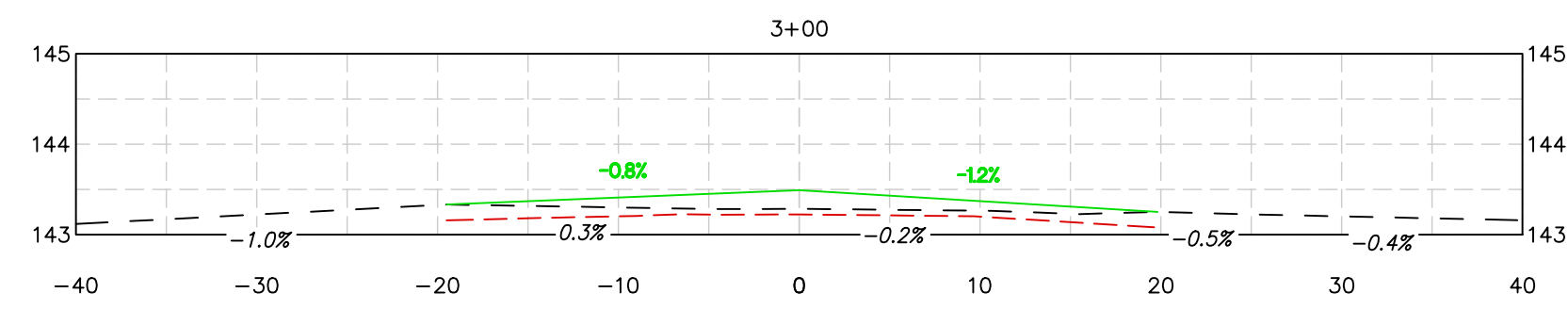
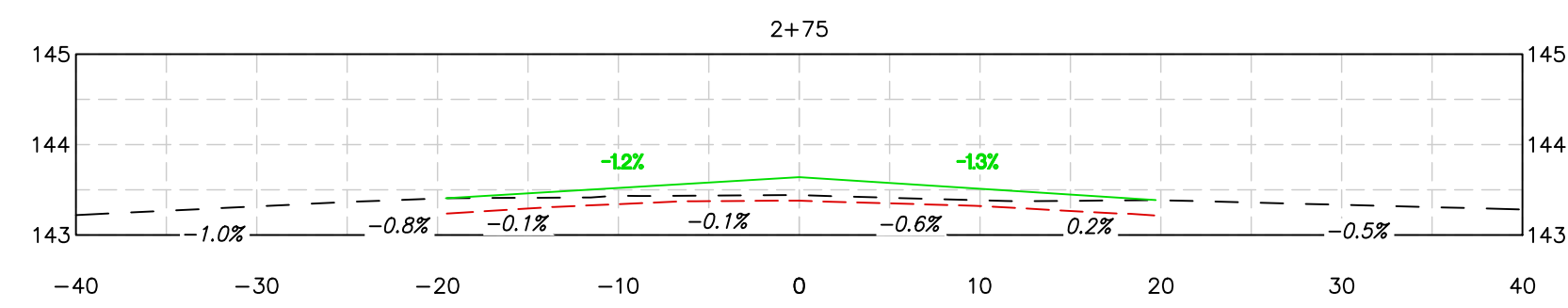
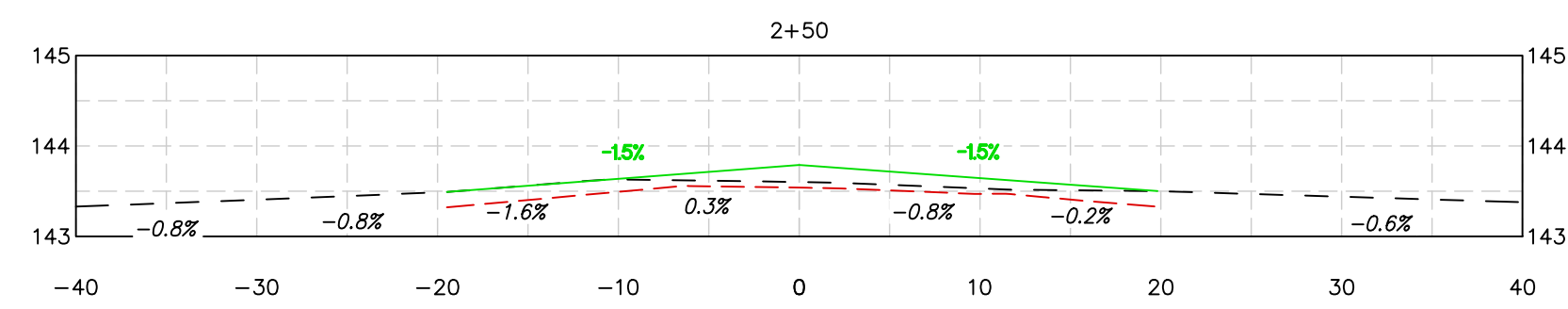
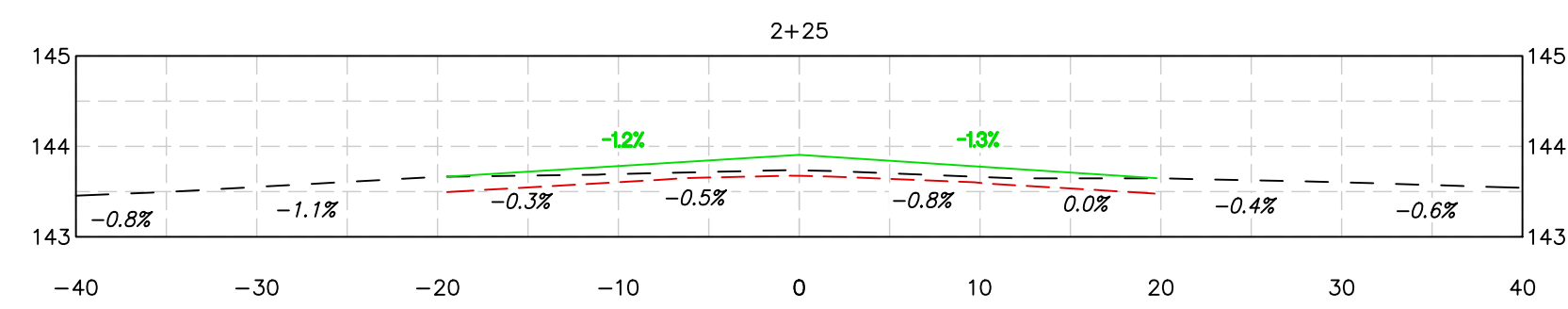
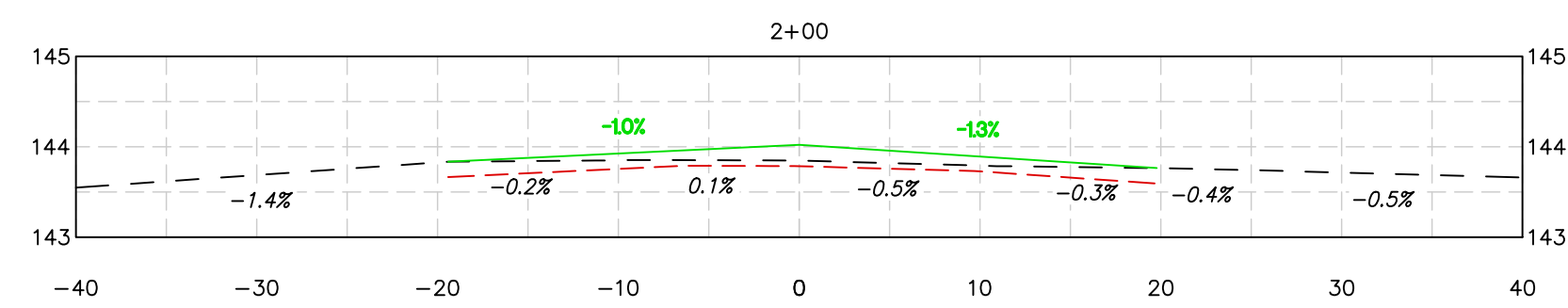
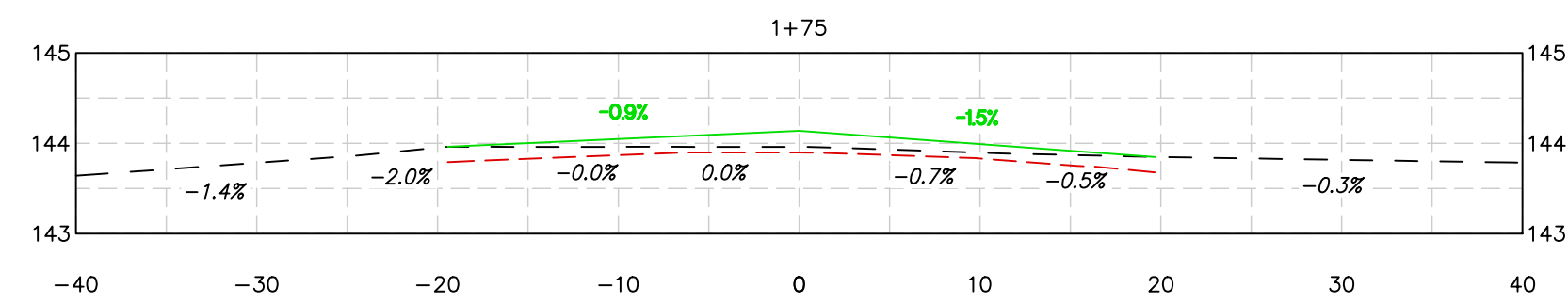
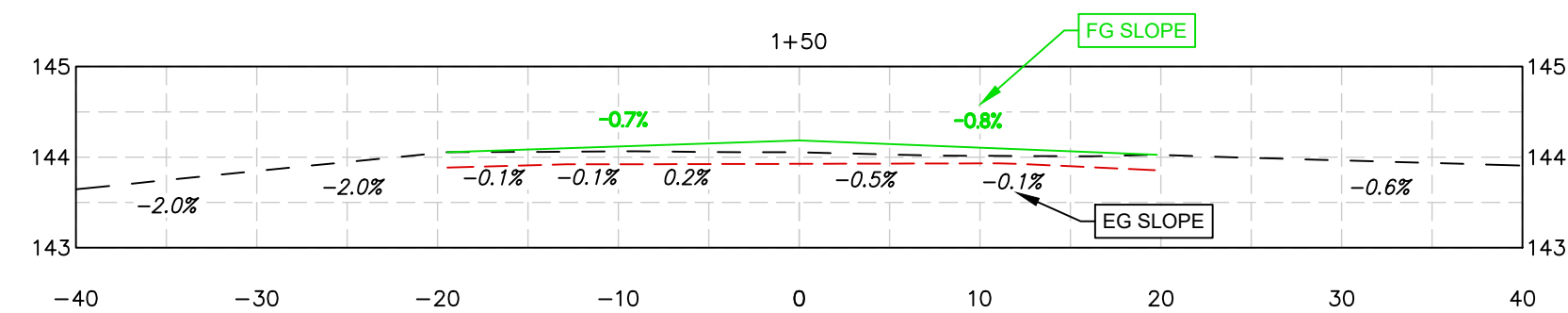
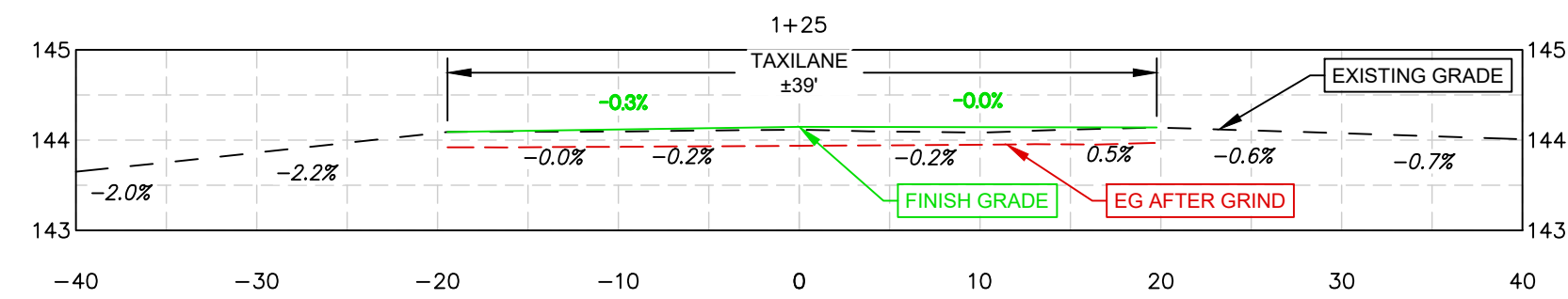
REV.	DESCRIPTION	DATE	APP.
1			

TARTAGLIA ENGINEERING
 MARINA MUNICIPAL AIRPORT
 TAXILANE REHABILITATION

REGISTERED PROFESSIONAL ENGINEER
 JACOB A. SMITH
 No. 46852
 EXP. 6-30-25
 CIVIL
 STATE OF CALIFORNIA

DESIGN JTH
DRAWN JTH
CHECKED JTH
DWG. NO. 21-106
DATE 04/10/2025
SHEET 08 of 13

PL01 DATETIME: 11/2025



UNDERGROUND SERVICE ALERT
811 DIAL 811
 TWO WORKING DAYS
 BEFORE YOU DIG

CROSS SECTIONS

STA: 1+25 TO STA:7+75

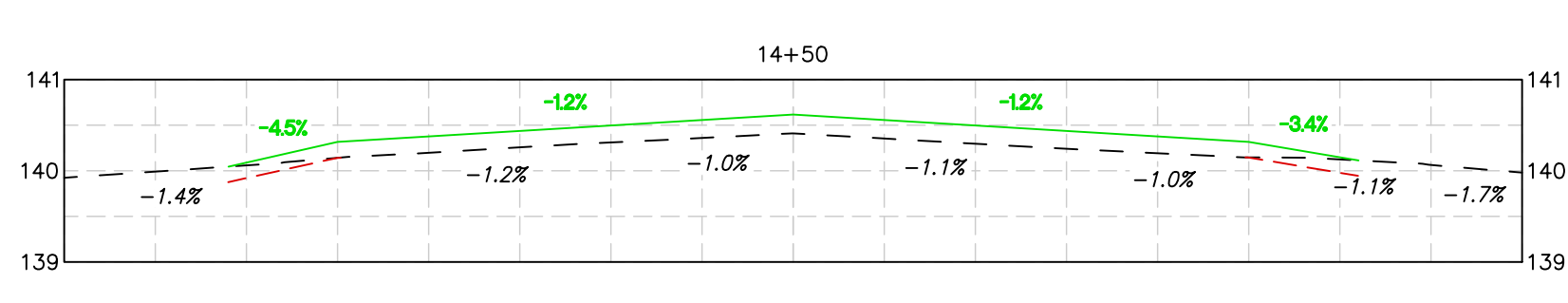
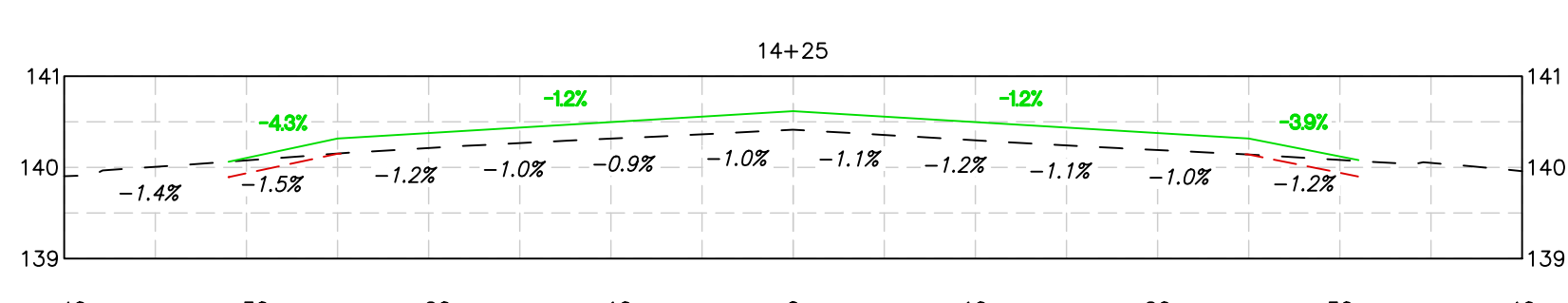
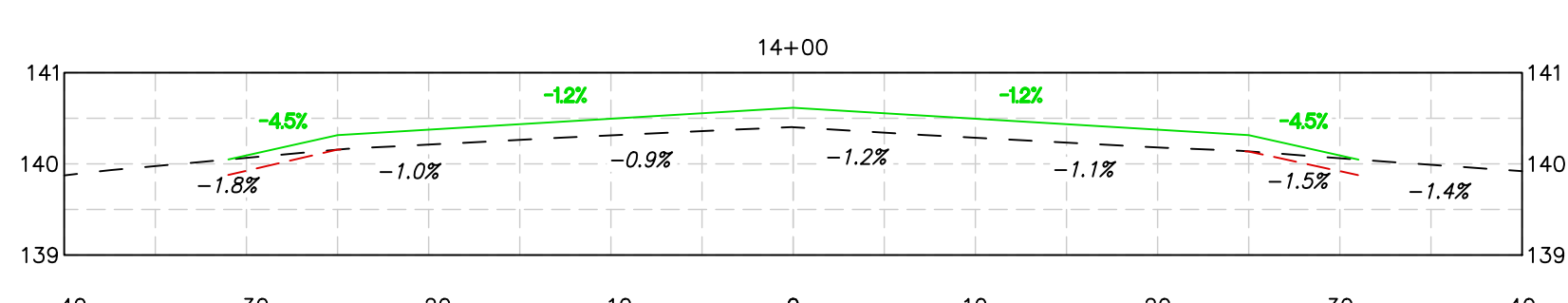
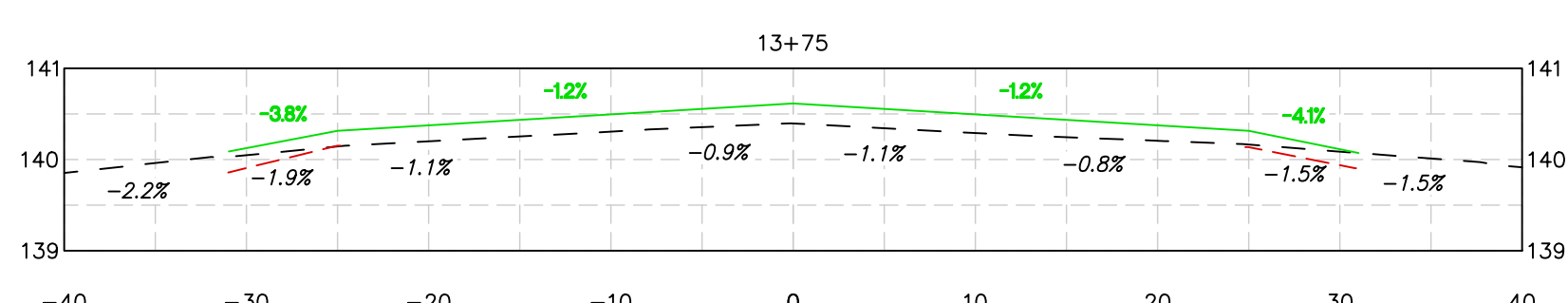
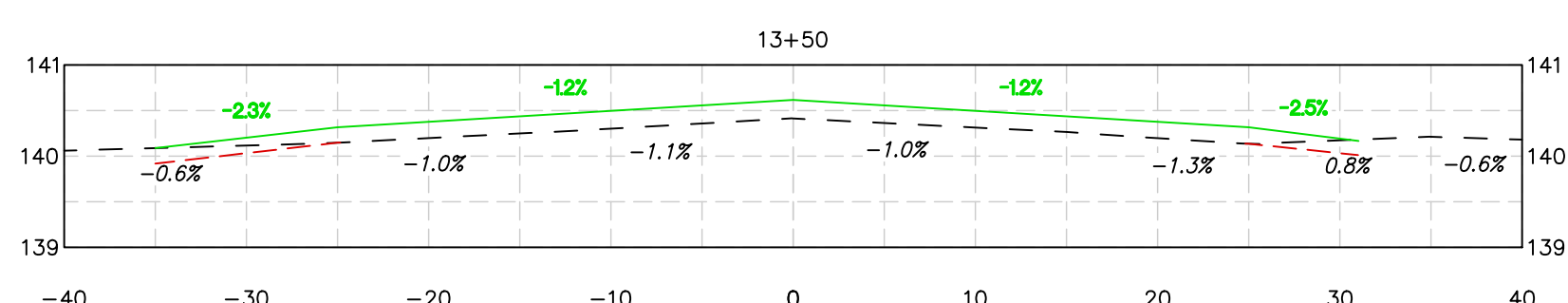
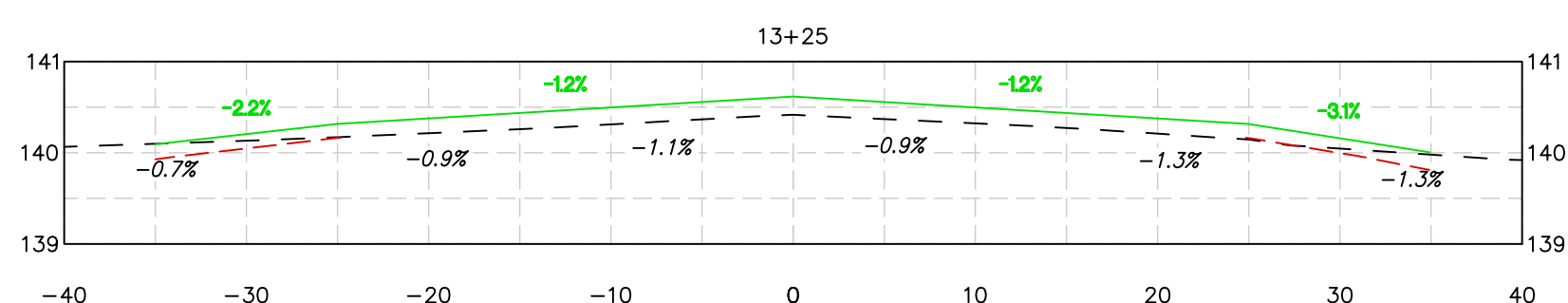
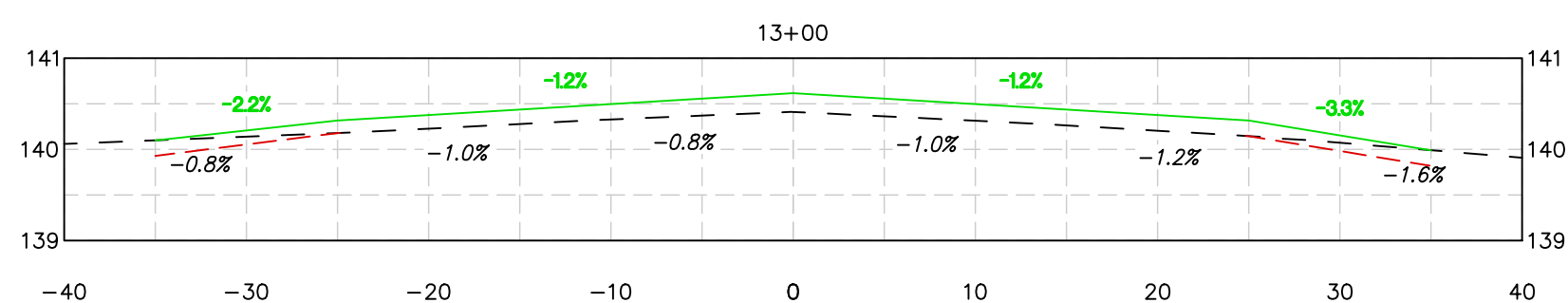
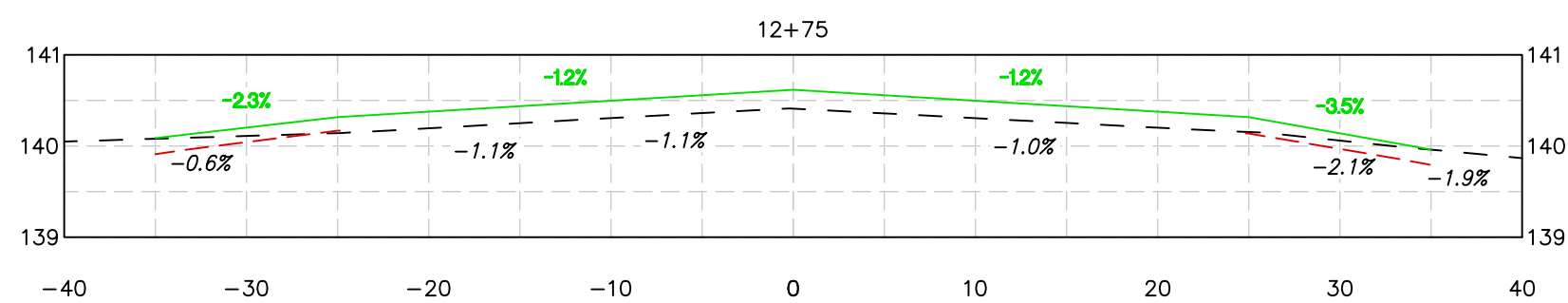
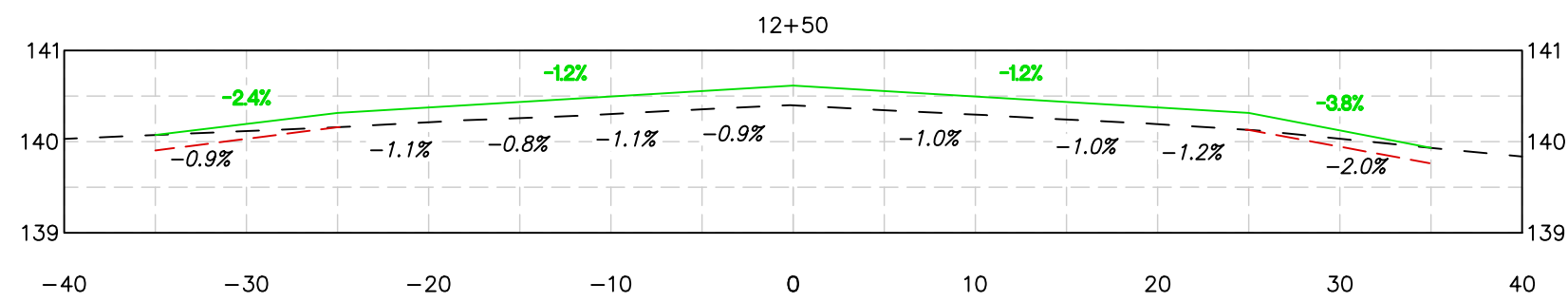
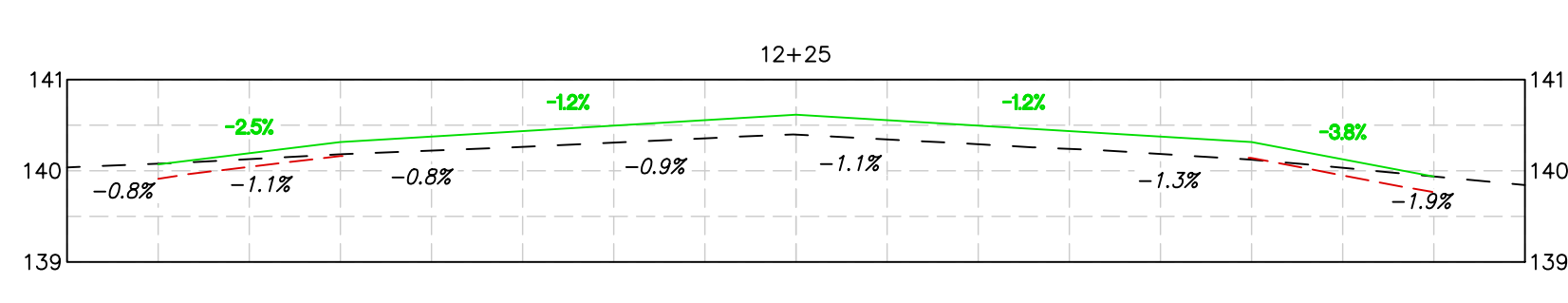
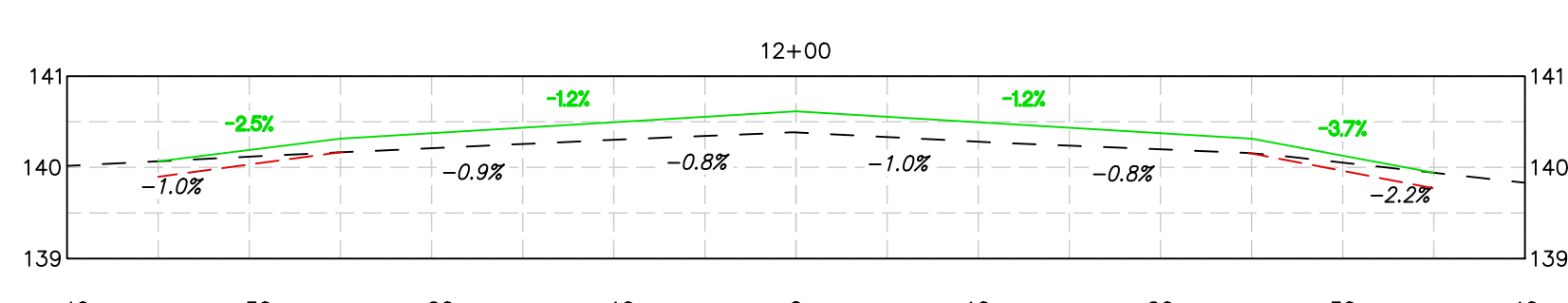
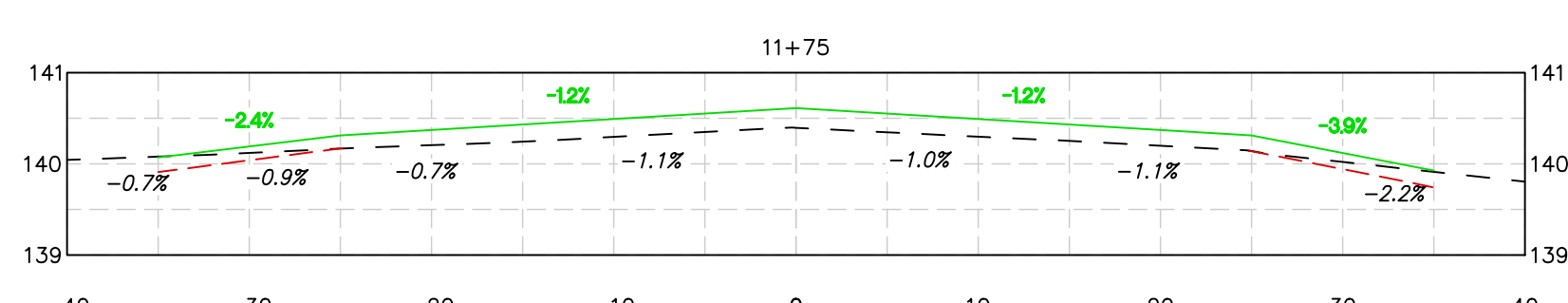
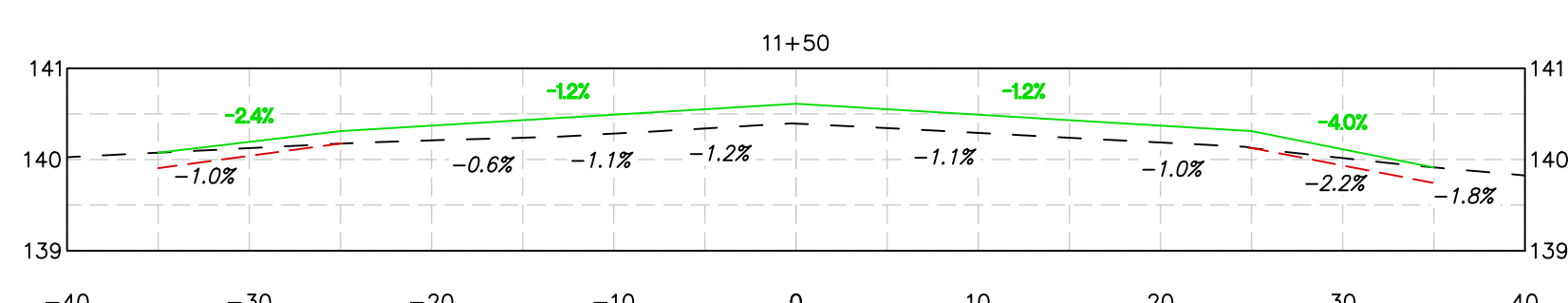
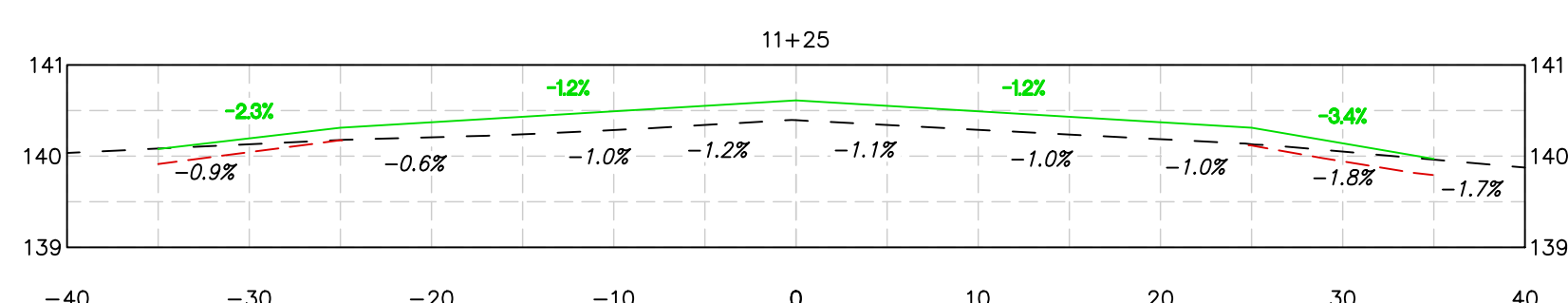
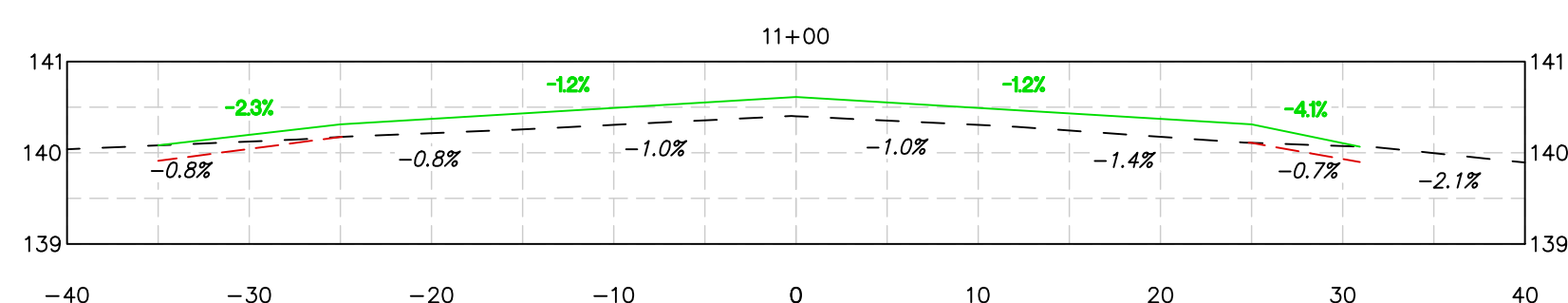
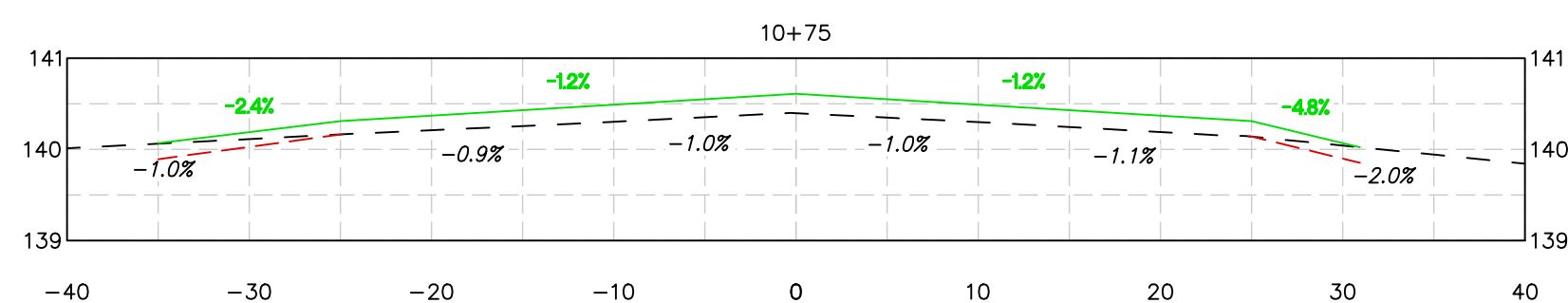
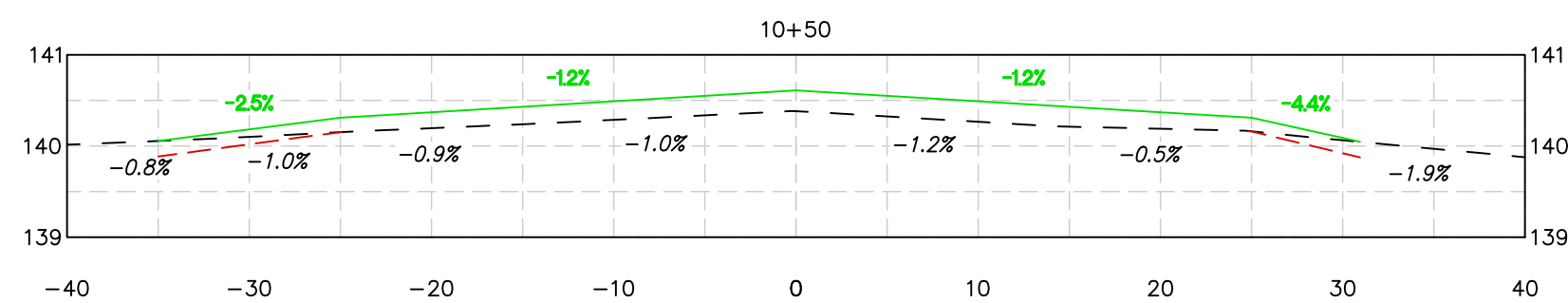
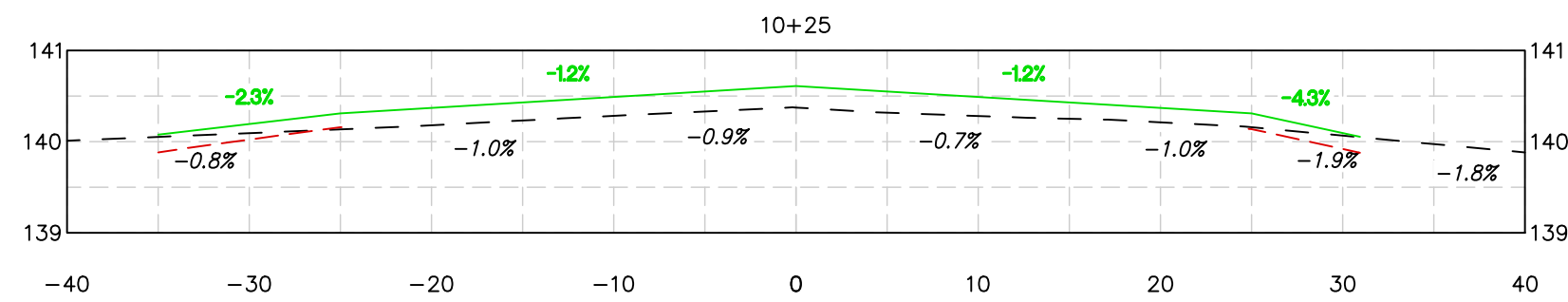
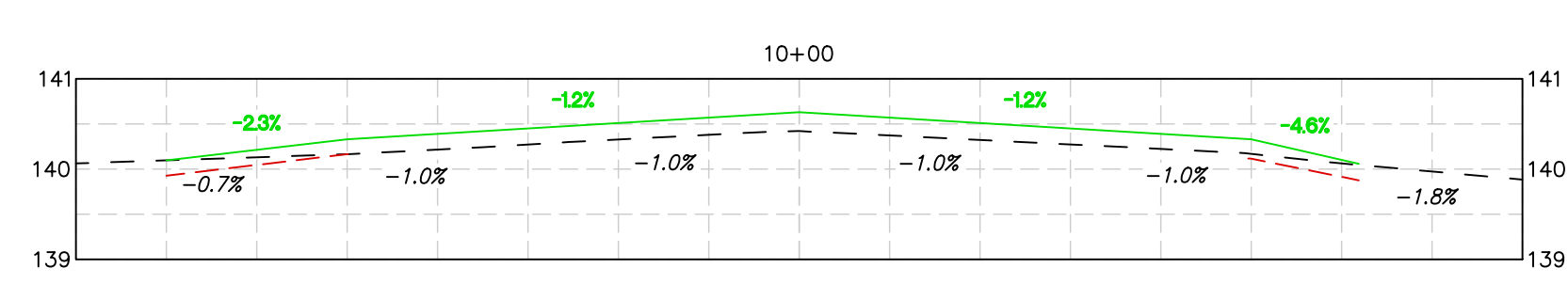
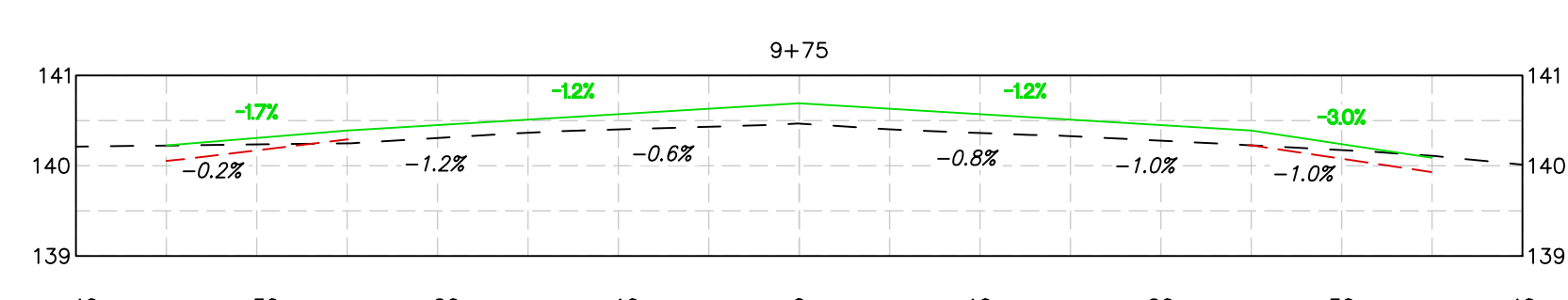
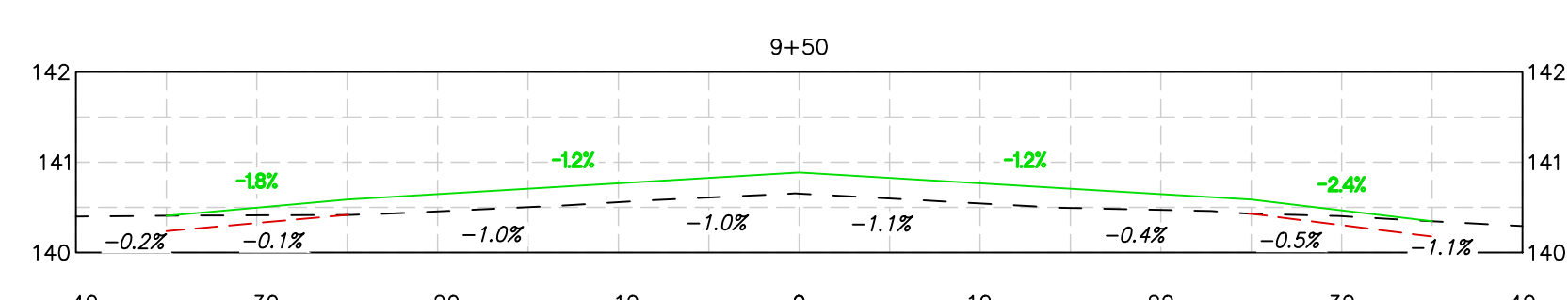
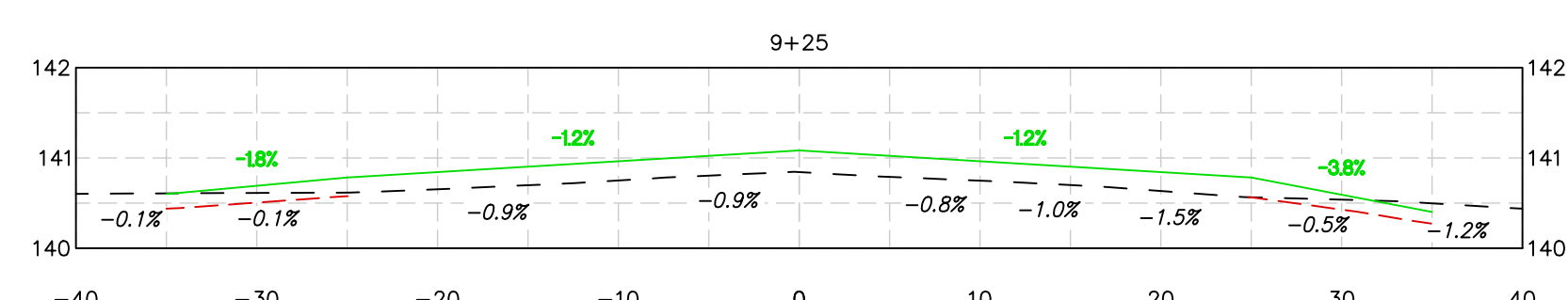
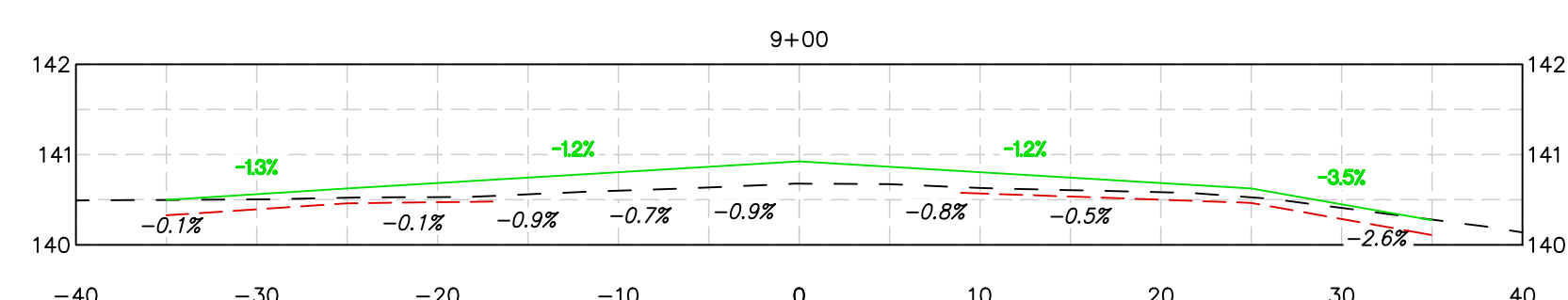
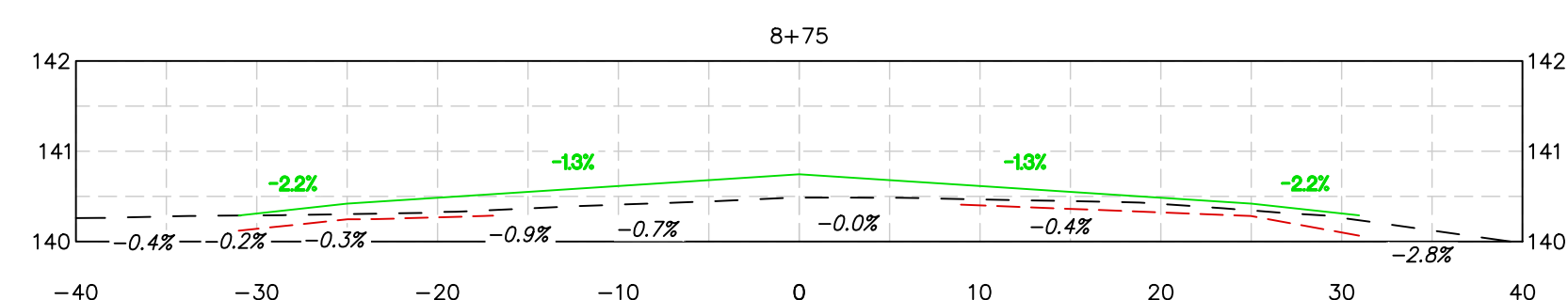
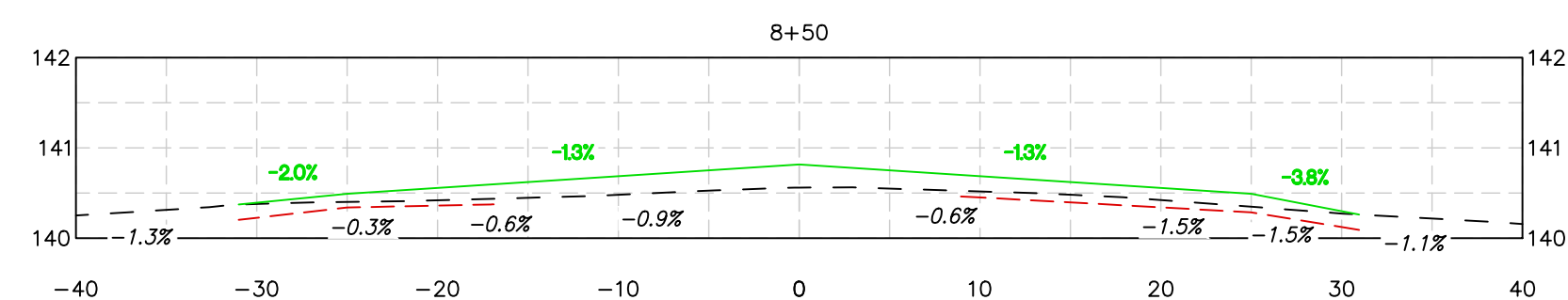
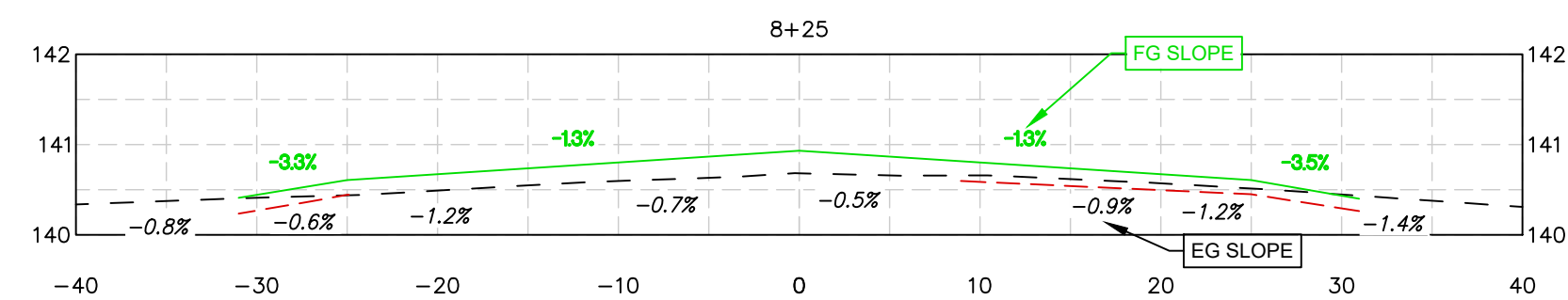
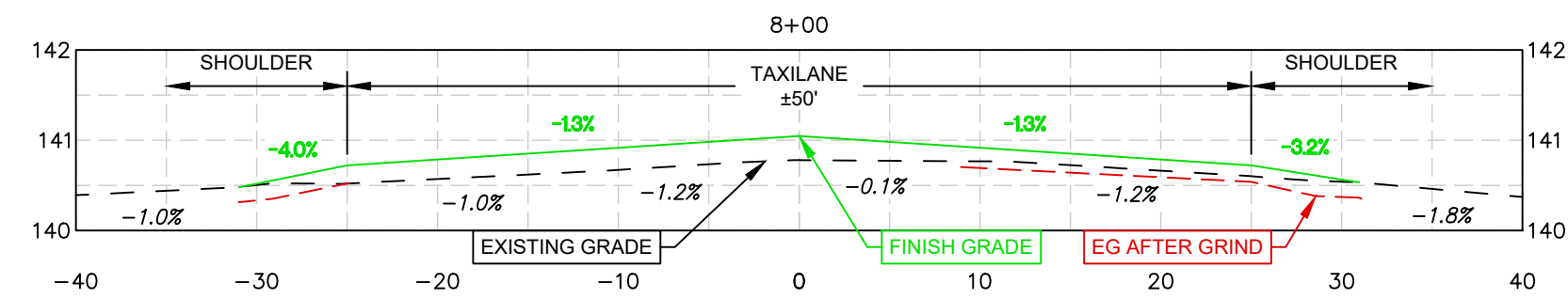
REV.	DESCRIPTION	DATE	APP.
△	-	-	-

TARTAGLIA ENGINEERING
 MARINA MUNICIPAL AIRPORT
 TAXILANE REHABILITATION

HORIZONTAL SCALE: 1" = 10'
 VERTICAL SCALE: 1" = 2'

DESIGN: NJG
 DRAWN: NJG
 CHECKED: JAS
 DWG. NO.: 21-106
 DATE: 04/10/2025
 SHEET: 09 of 13

PROJECT DATE: 11/2025



HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

811 UNDERGROUND SERVICE ALERT
DIAL 811
TWO WORKING DAYS BEFORE YOU DIG

CROSS SECTIONS

STA: 8+00 TO STA: 14+50

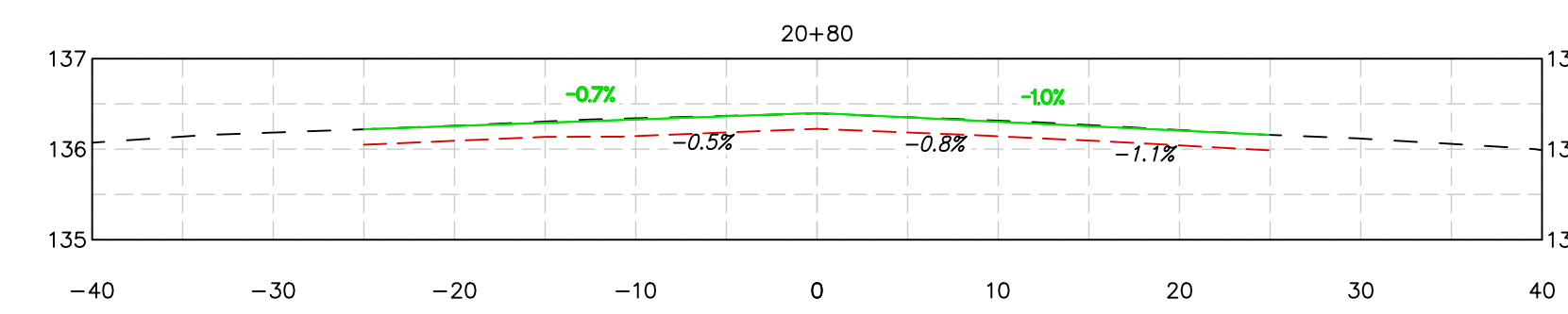
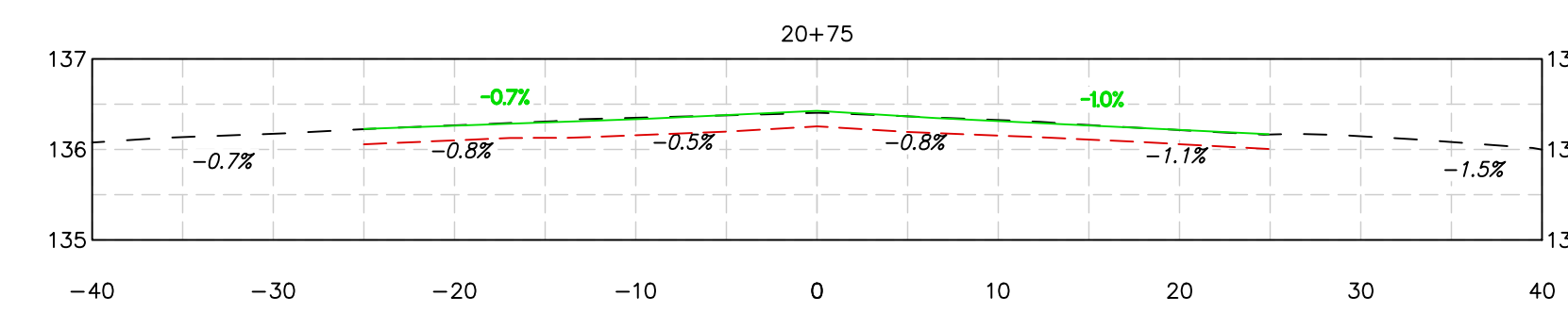
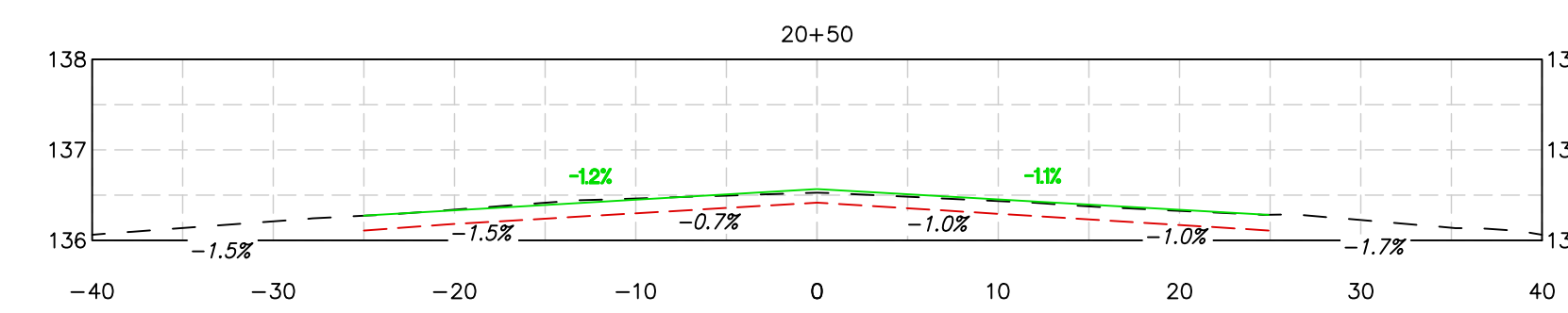
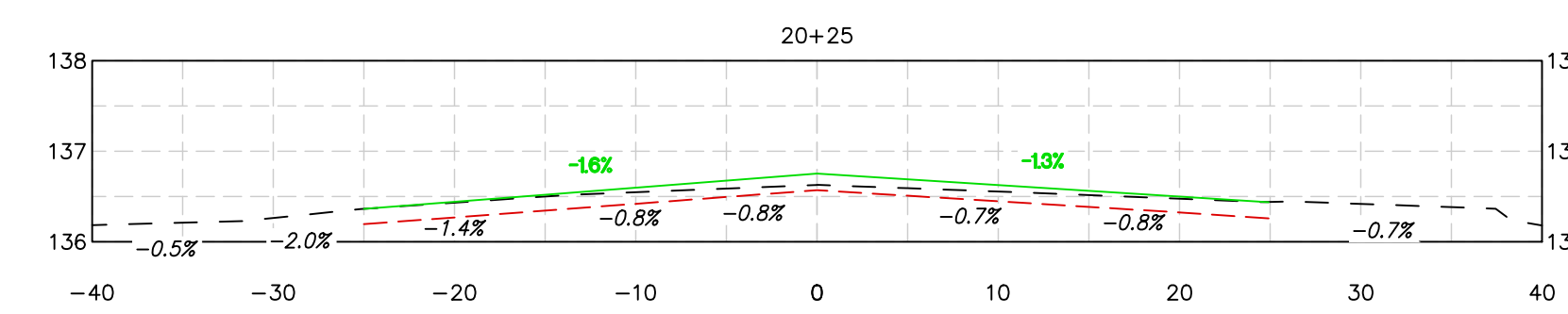
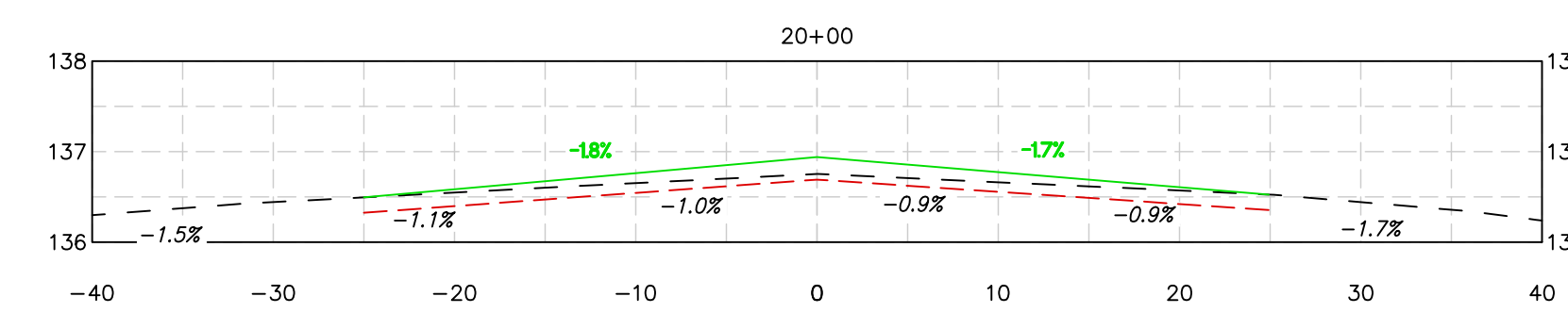
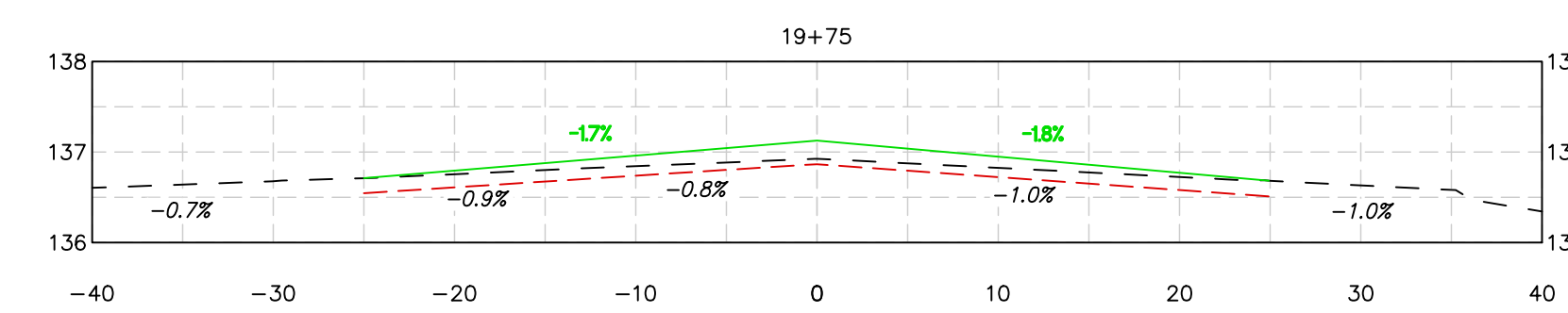
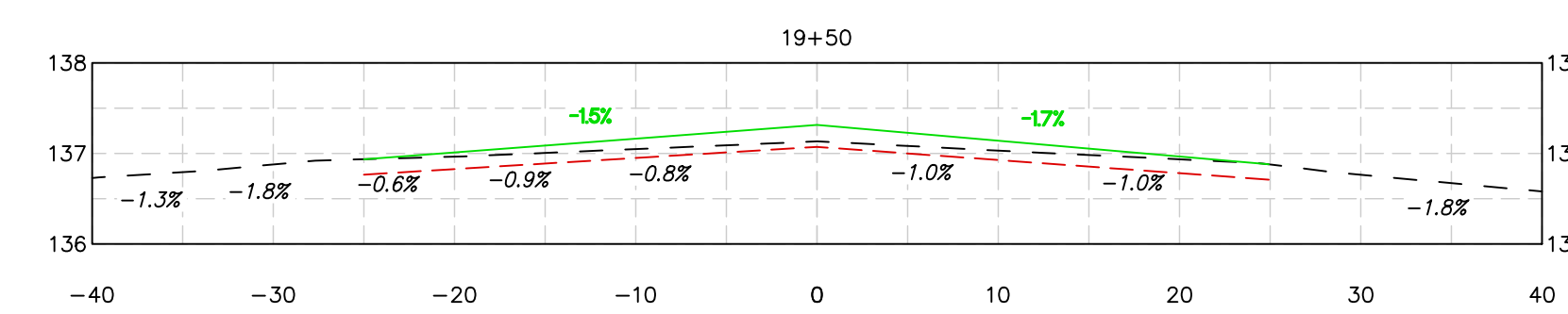
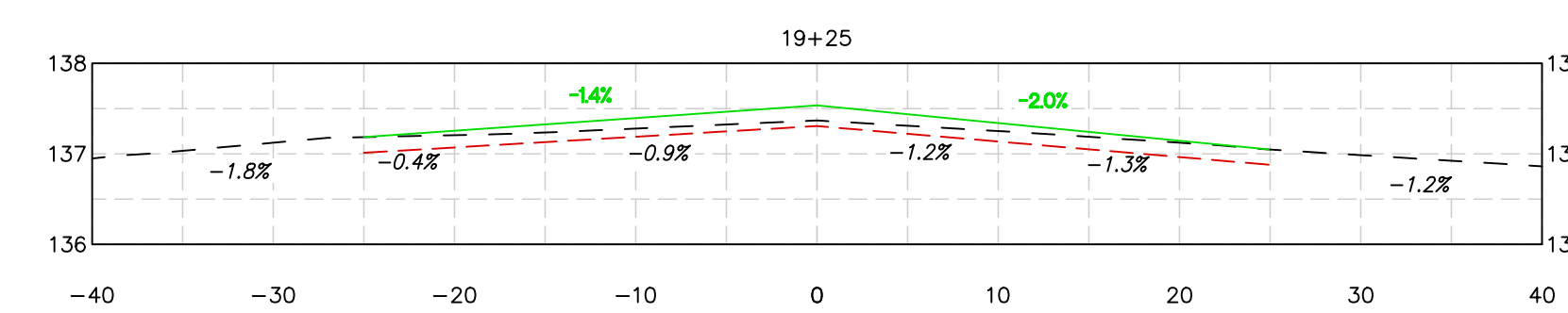
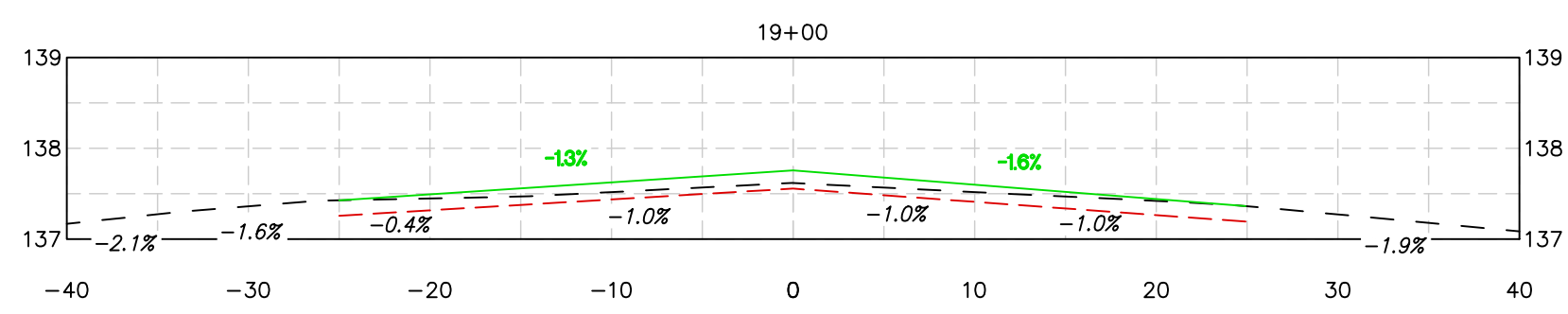
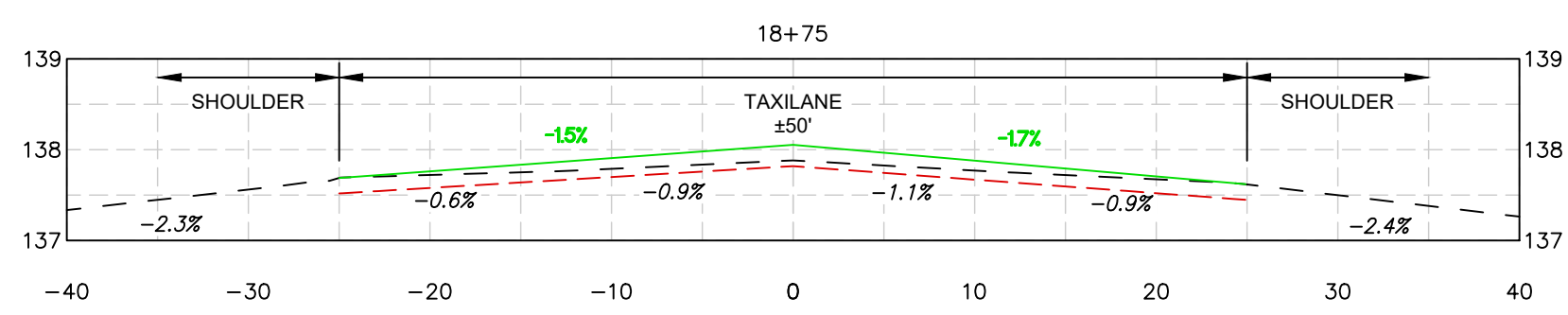
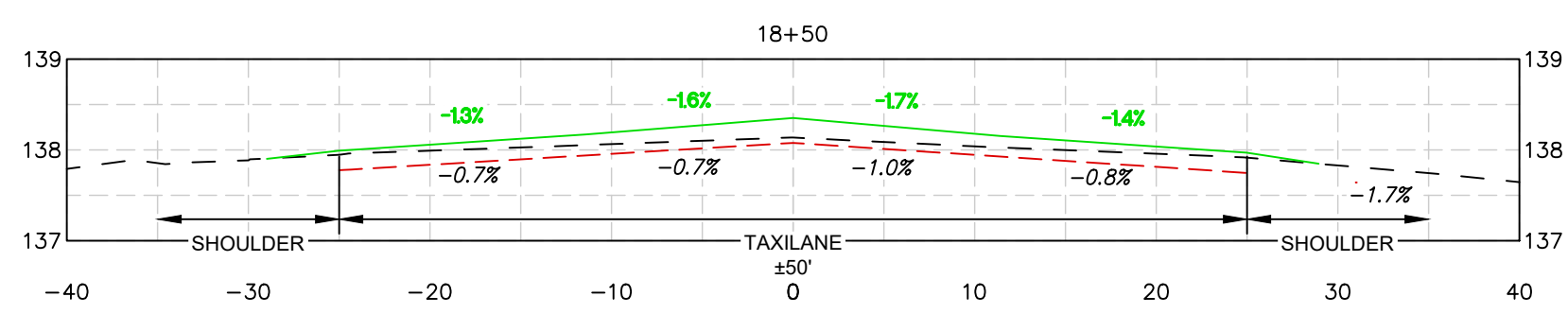
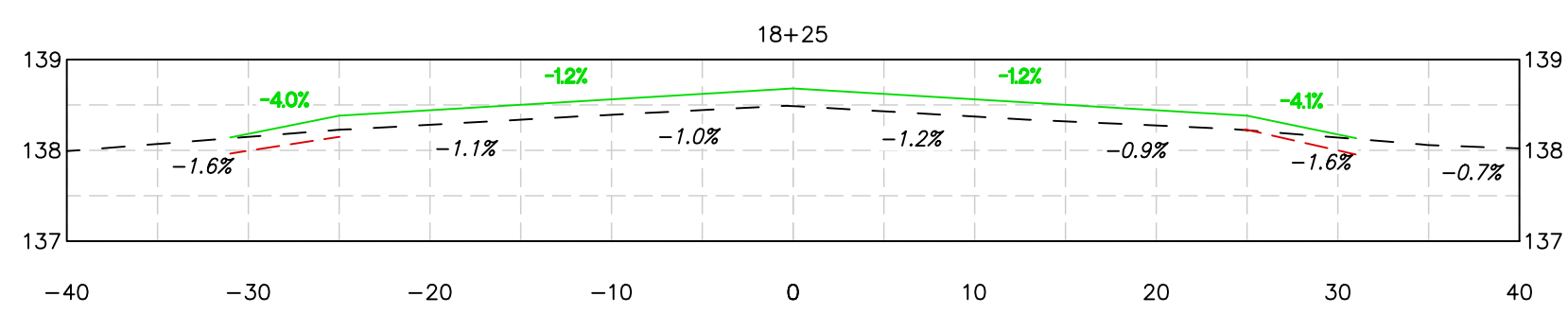
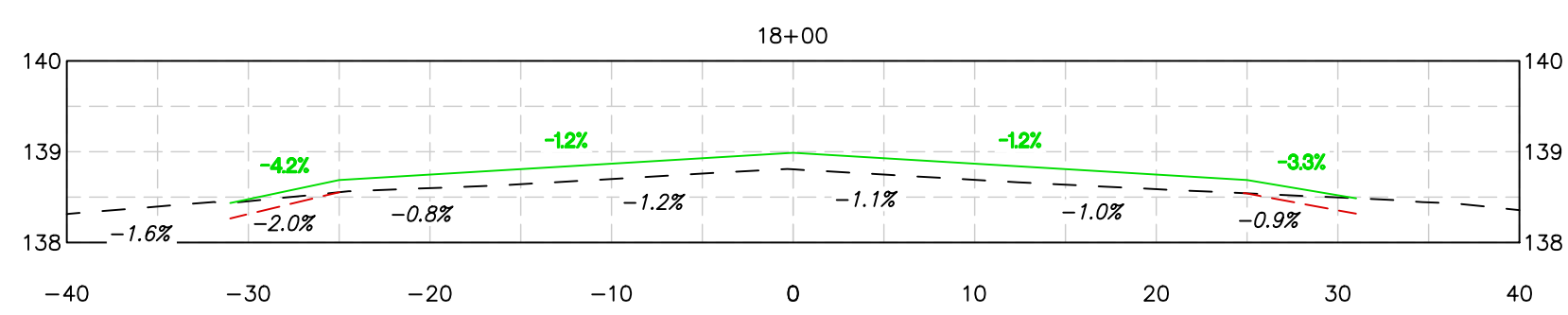
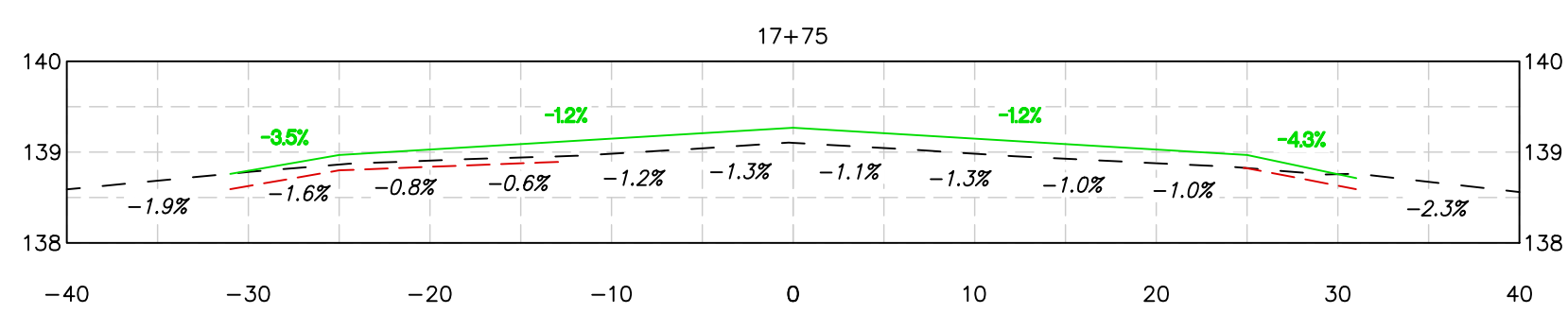
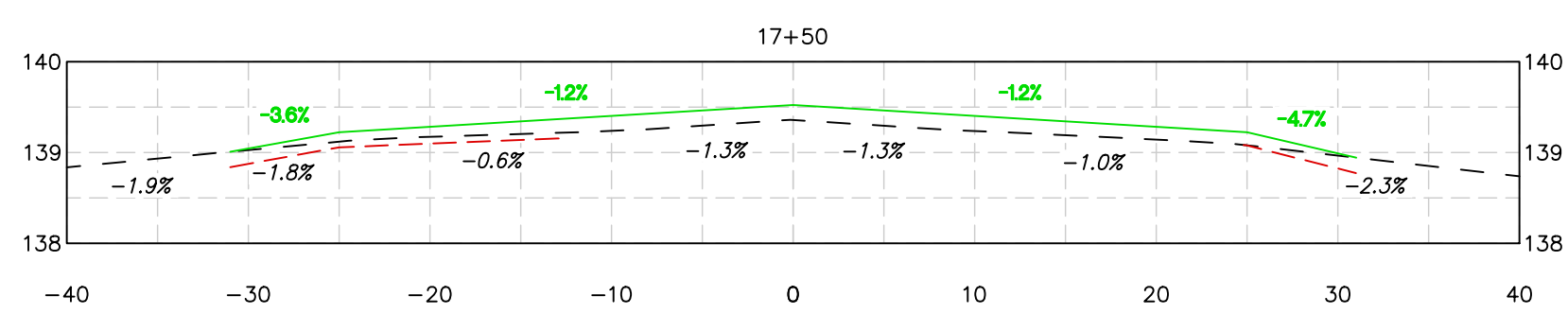
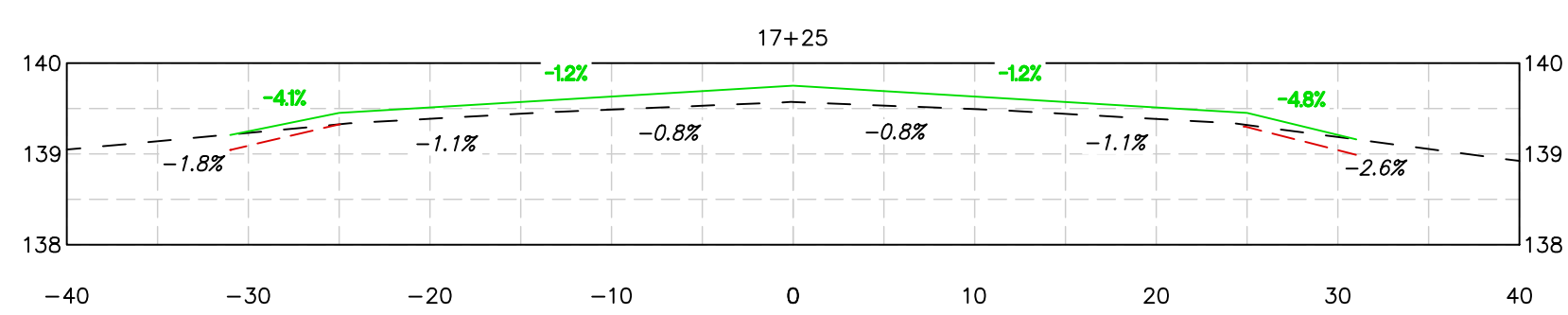
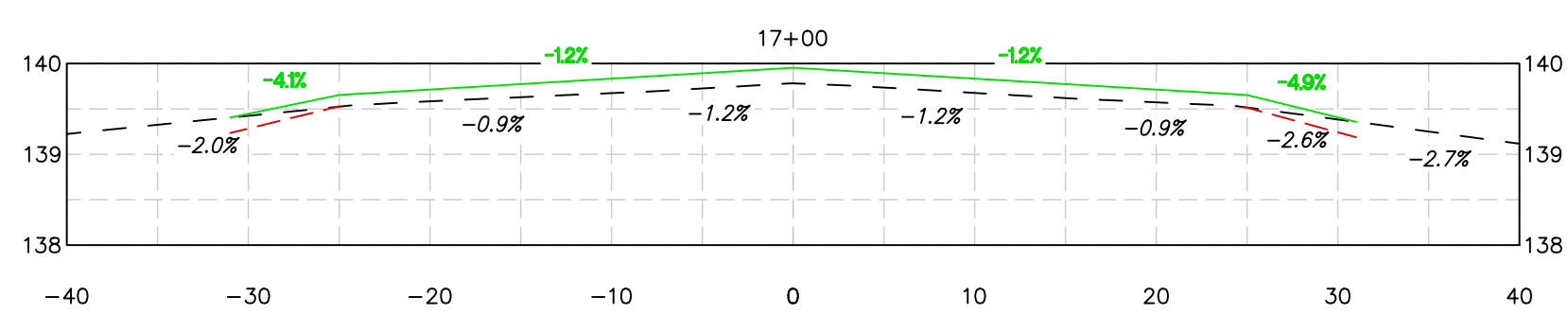
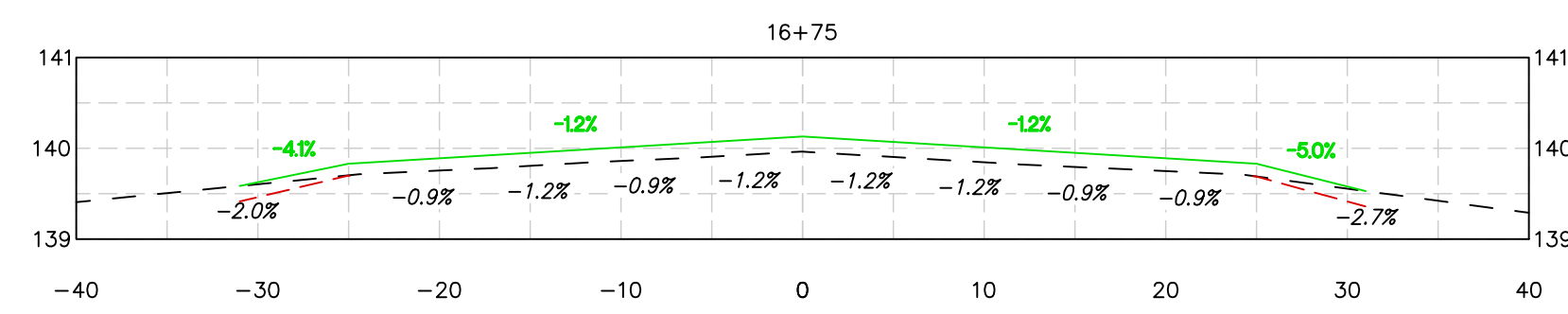
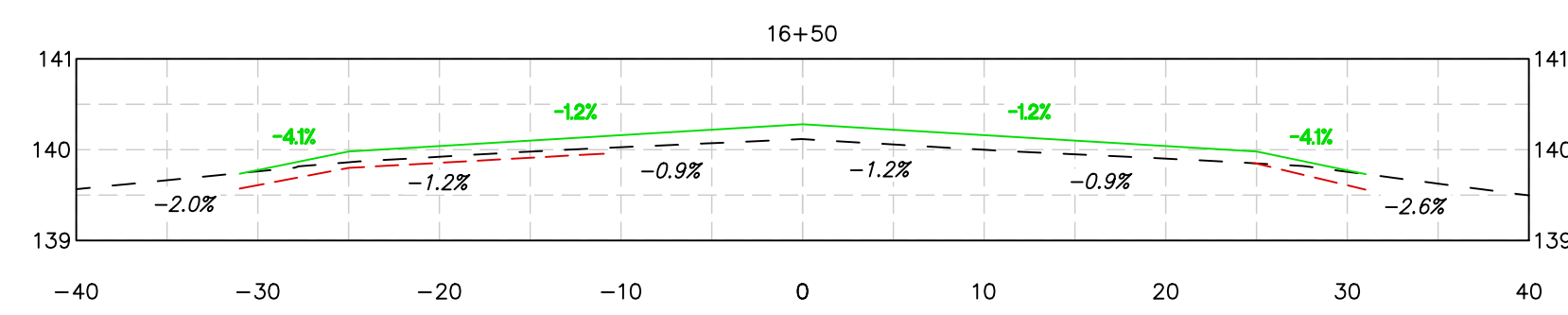
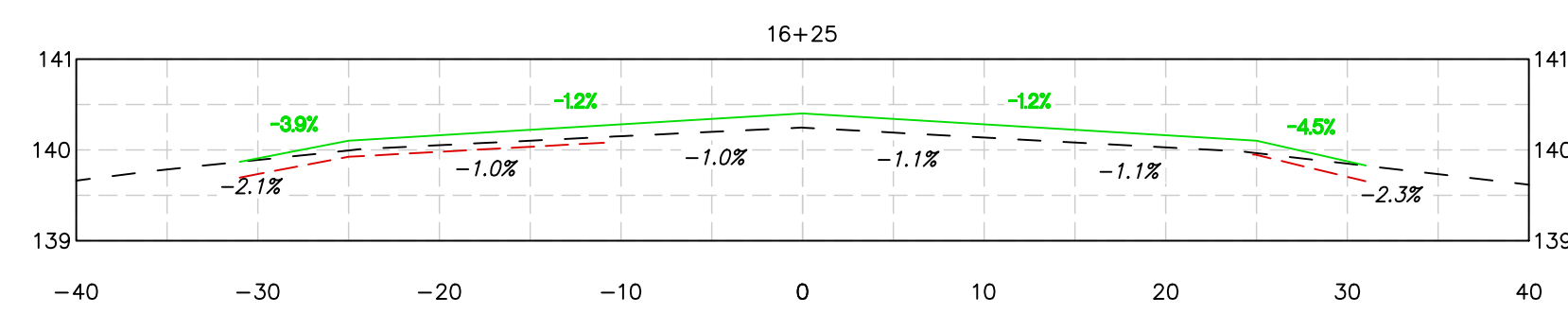
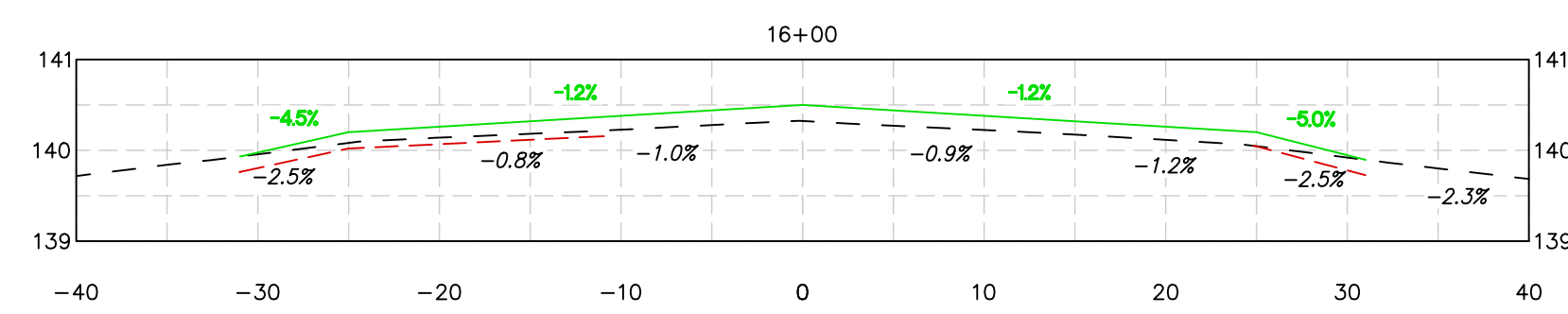
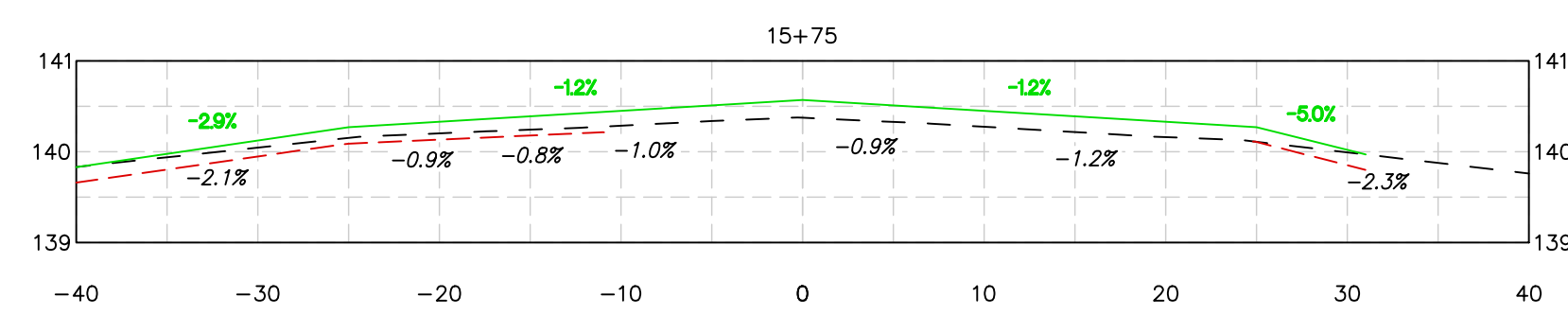
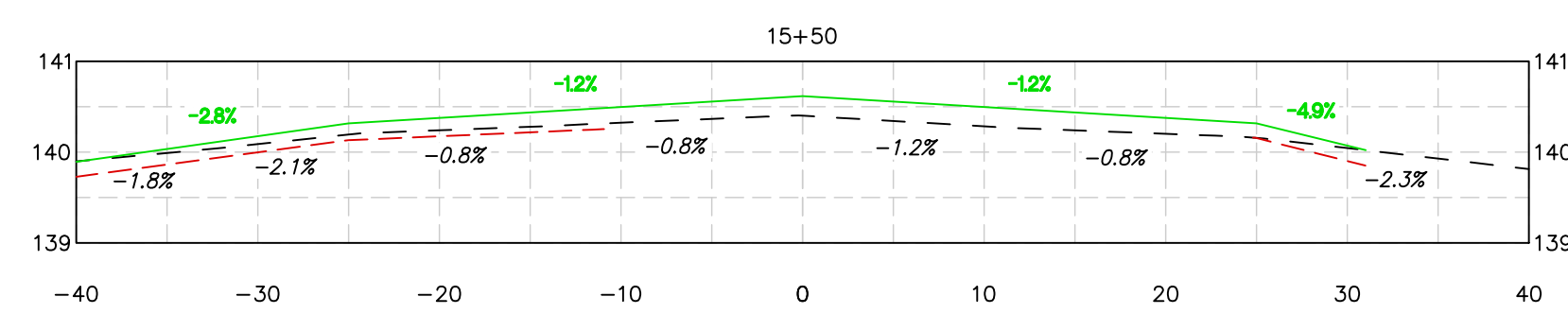
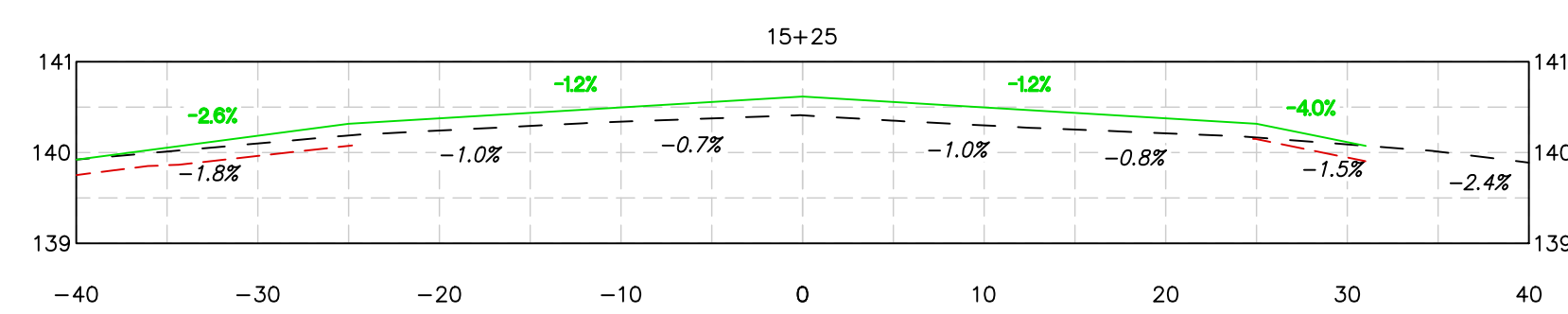
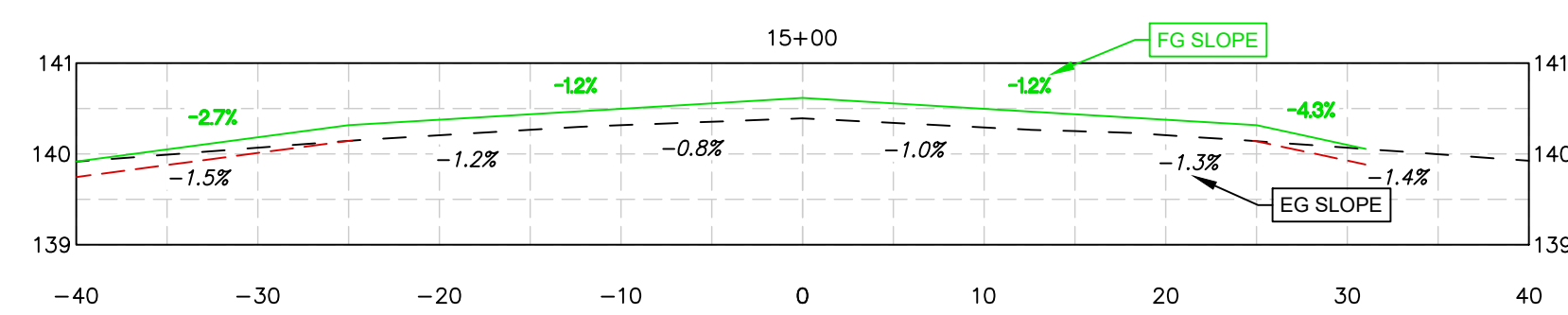
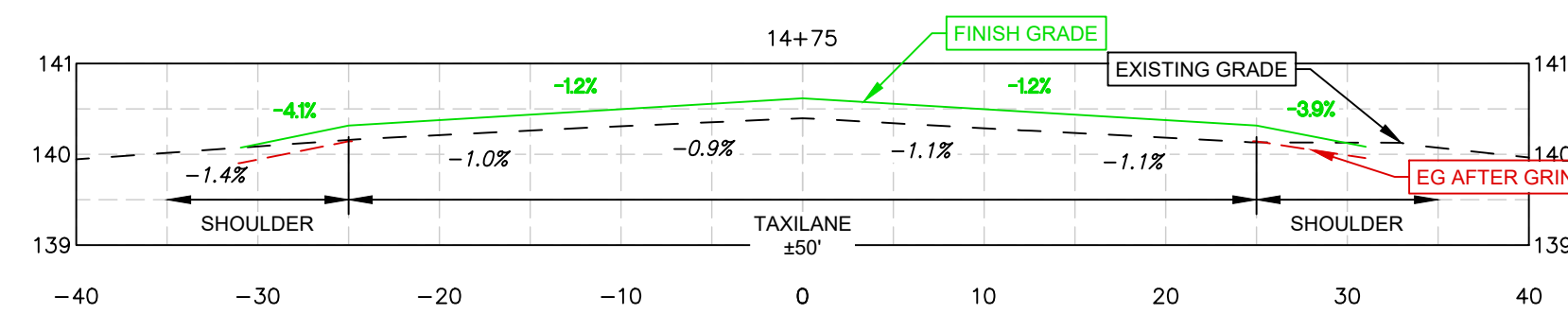
REV.	DESCRIPTION	DATE	APP.
△ -			

TARTAGLIA ENGINEERING
MARINA MUNICIPAL AIRPORT
TAXILANE REHABILITATION

REGISTERED PROFESSIONAL ENGINEER
JOHANN A. SMITH
No. 46852
EXP. 6-30-25
CIVIL
STATE OF CALIFORNIA

DESIGN NJG
DRAWN NJG
CHECKED JAS
DWG. NO. 21-106
DATE 04/10/2025
SHEET 10 of 13

PROJECT DATE: 11/2025



HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 2'

UNDERGROUND SERVICE ALERT
811 DIAL 811
TWO WORKING DAYS BEFORE YOU DIG

CROSS SECTIONS

STA: 14+75 TO STA: 20+80

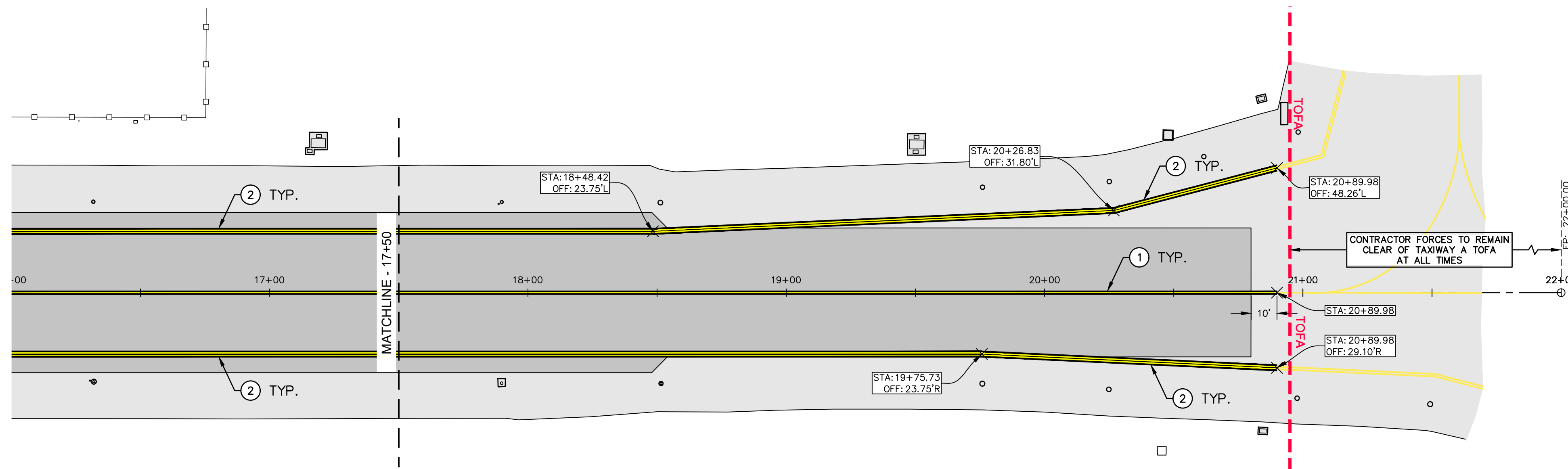
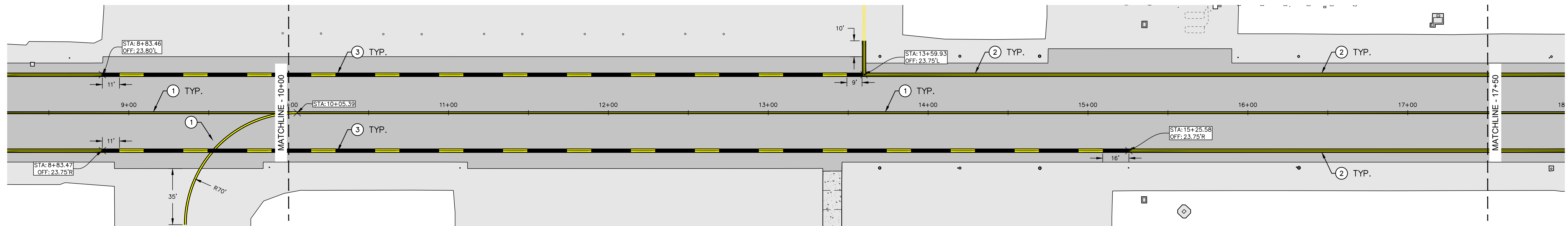
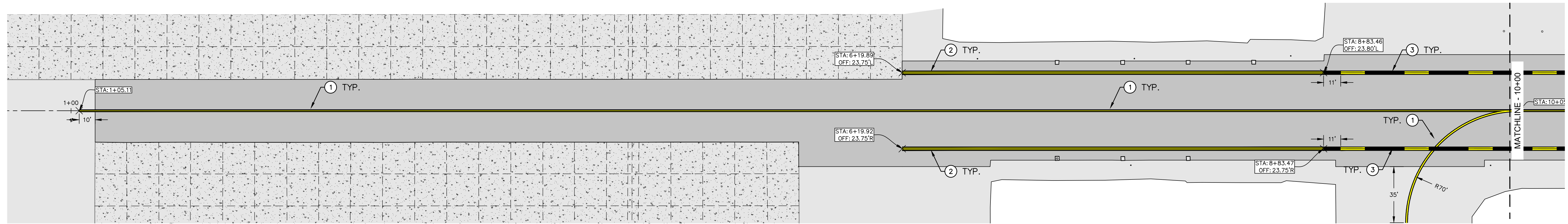
REV.	DESCRIPTION	DATE	APP.
△	-	-	-

TARTAGLIA ENGINEERING
MARINA MUNICIPAL AIRPORT
TAXILANE REHABILITATION

REGISTERED PROFESSIONAL ENGINEER
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DESIGN NJG
DRAWN NJG
CHECKED JTH
DWG. NO. 21-106
DATE 04/10/2025
SHEET 11 of 13

PROJECT DATE: 11/2025

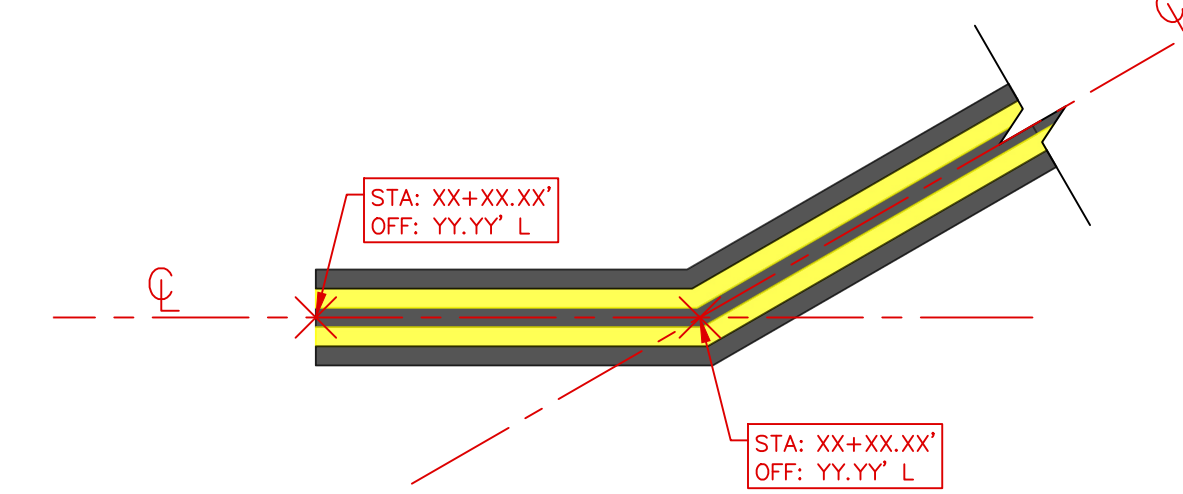


MARKING NOTES:

1. APPLY TWO-COAT CENTERLINE MARKING IN ACCORDANCE WITH DETAIL C, SHEET 13.
2. APPLY TWO-COAT CONTINUOUS EDGE MARKING IN ACCORDANCE WITH DETAIL D, SHEET 13.
3. APPLY TWO-COAT DASHED EDGE MARKING IN ACCORDANCE WITH DETAIL E, SHEET 13.

LEGEND:

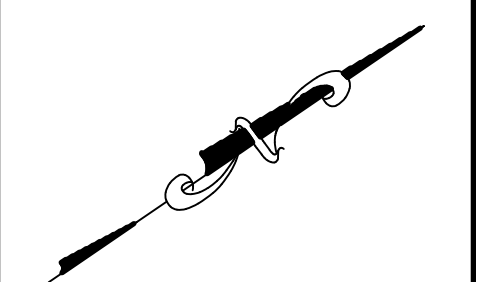
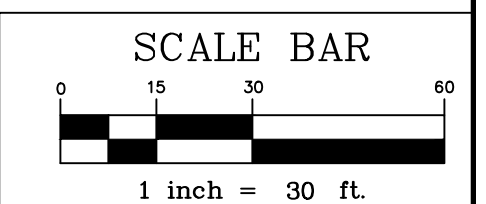
- EXISTING ASPHALT PAVEMENT
- EXISTING PCC PAVEMENT
- PROPOSED ASPHALT OVERLAY
- EXISTING MARKING
- PROPOSED MARKING
- TAXIWAY OBJECT FREE AREA



MARKING LAYOUT DETAIL

NOT TO SCALE

A
12



UNDERGROUND SERVICE ALERT
811 DIAL 811
 TWO WORKING DAYS
 BEFORE YOU DIG

MARKING PLAN

TAXILANE REHABILITATION

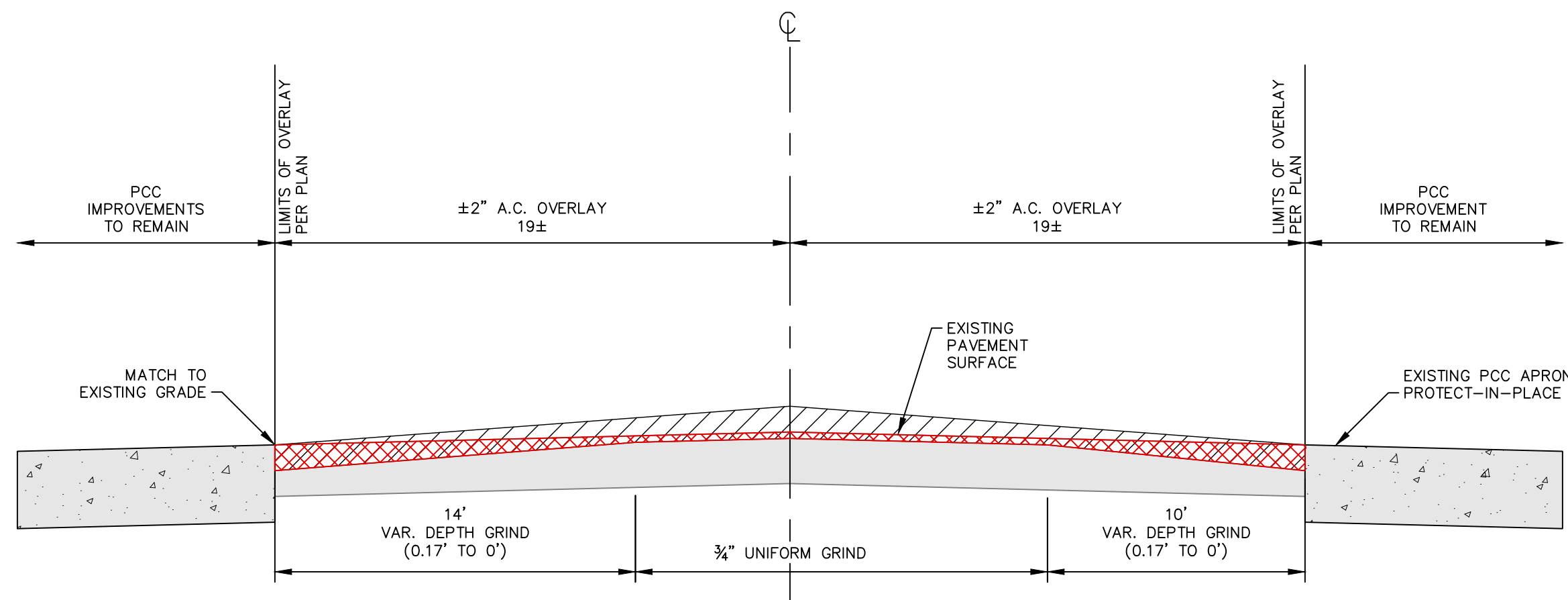
REV.	DESCRIPTION	DATE	APP.
1			

TARTAGLIA ENGINEERING
 MARINA MUNICIPAL AIRPORT
 TAXILANE REHABILITATION

DESIGN: NJG
 DRAWN: NJG
 CHECKED: JAS
 DWG. NO.: 21-106
 DATE: 04/10/2025
 SHEET: 12 of 13

REGISTERED PROFESSIONAL ENGINEER
 JACOB A. SMITH
 No. 46852
 EXP. 6-30-25
 CIVIL
 STATE OF CALIFORNIA

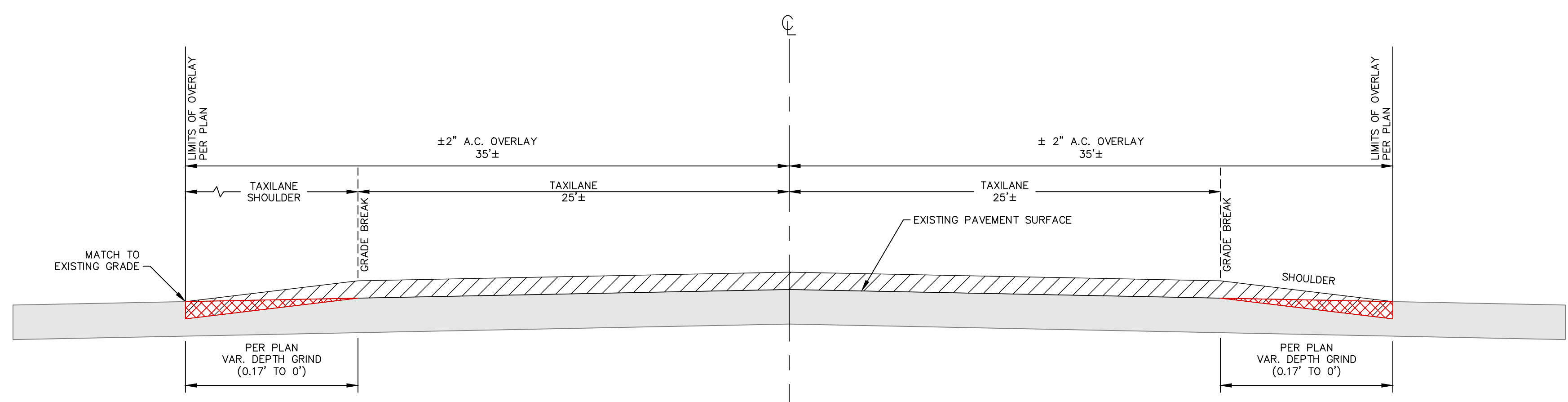
PCOT DATE: 11/2025



STA: 1+15 TO STA: 6+40
TAXILANE SECTION
DETAIL

A
13

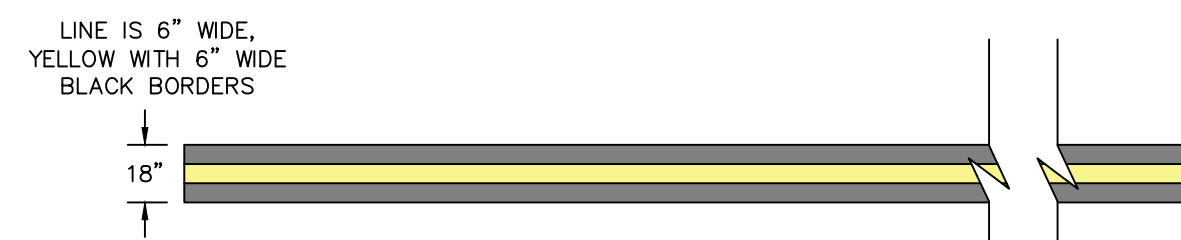
NO SCALE



STA: 6+40 TO STA: 18+48
TAXILANE SECTION
DETAIL

B
13

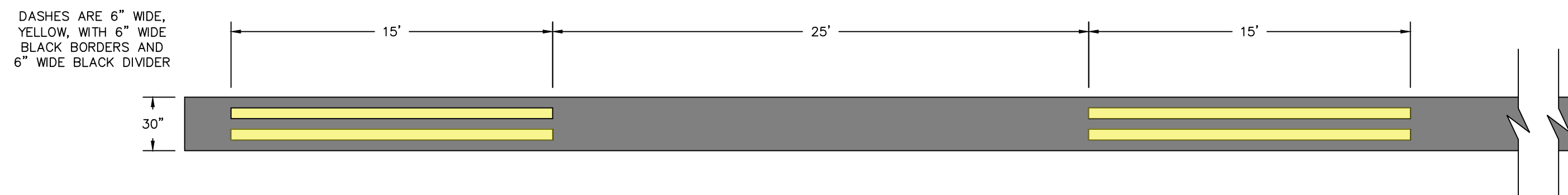
NO SCALE



TAXIWAY CENTERLINE
DETAIL

C
13

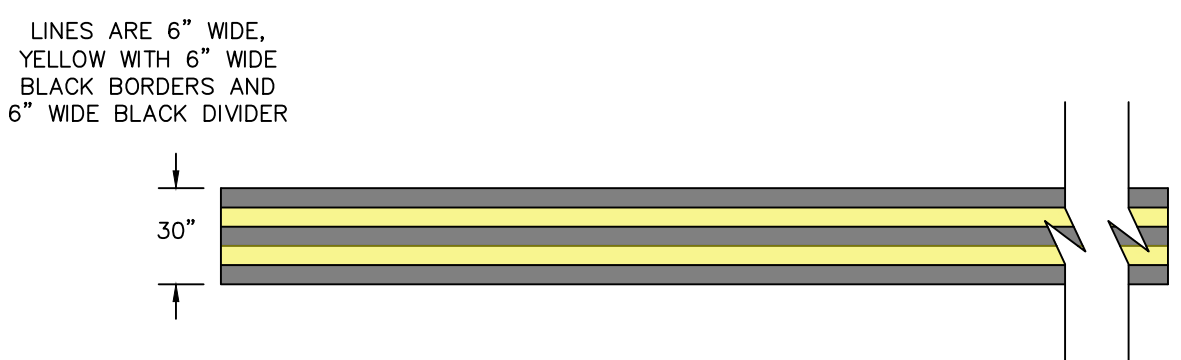
SCALE: 1" = 5'



TAXIWAY DASHED EDGE
MARKING DETAIL

E
13

SCALE: 1" = 5'



TAXIWAY CONTINUOUS
EDGE MARKING DETAIL

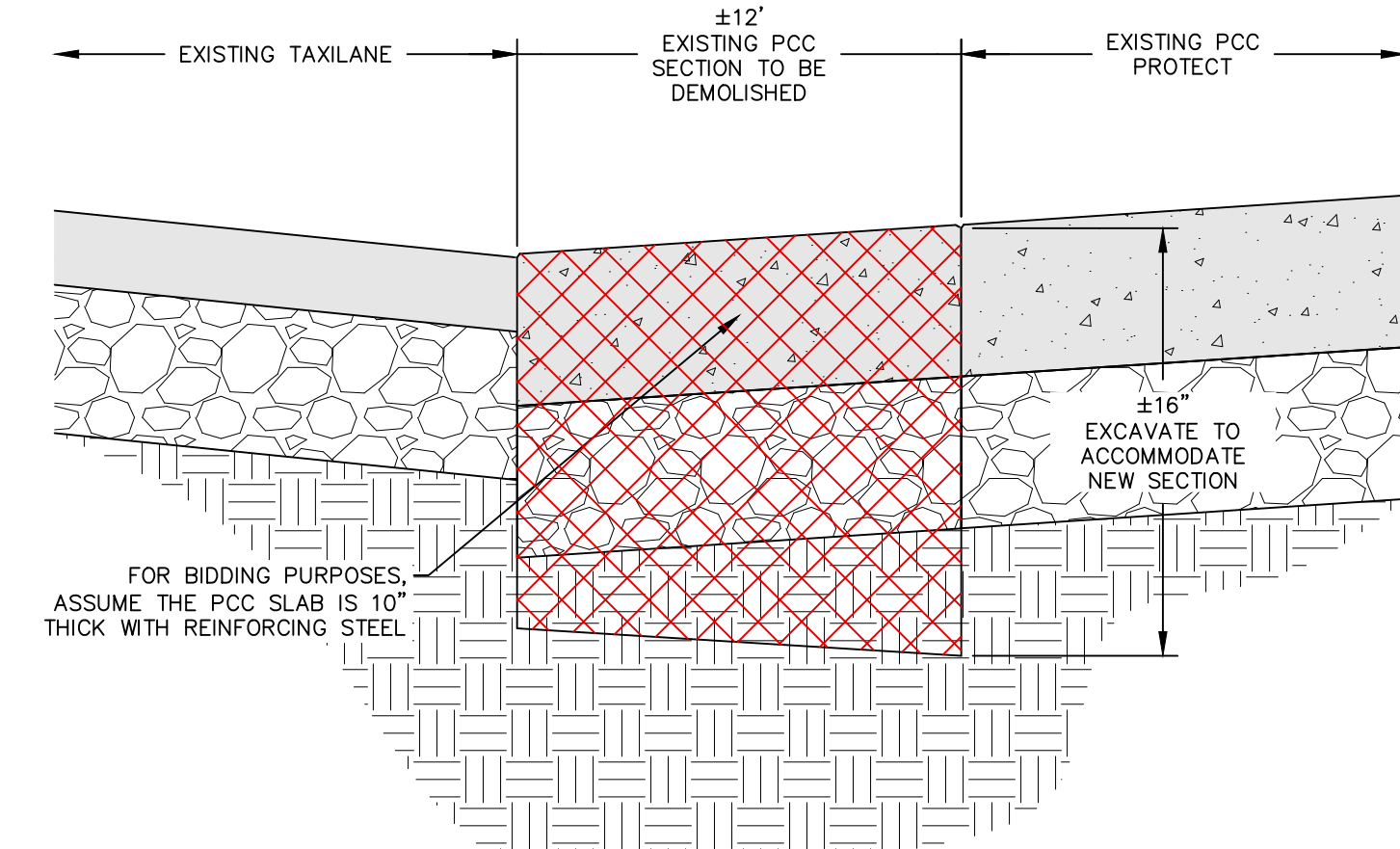
D
13

SCALE: 1" = 5'

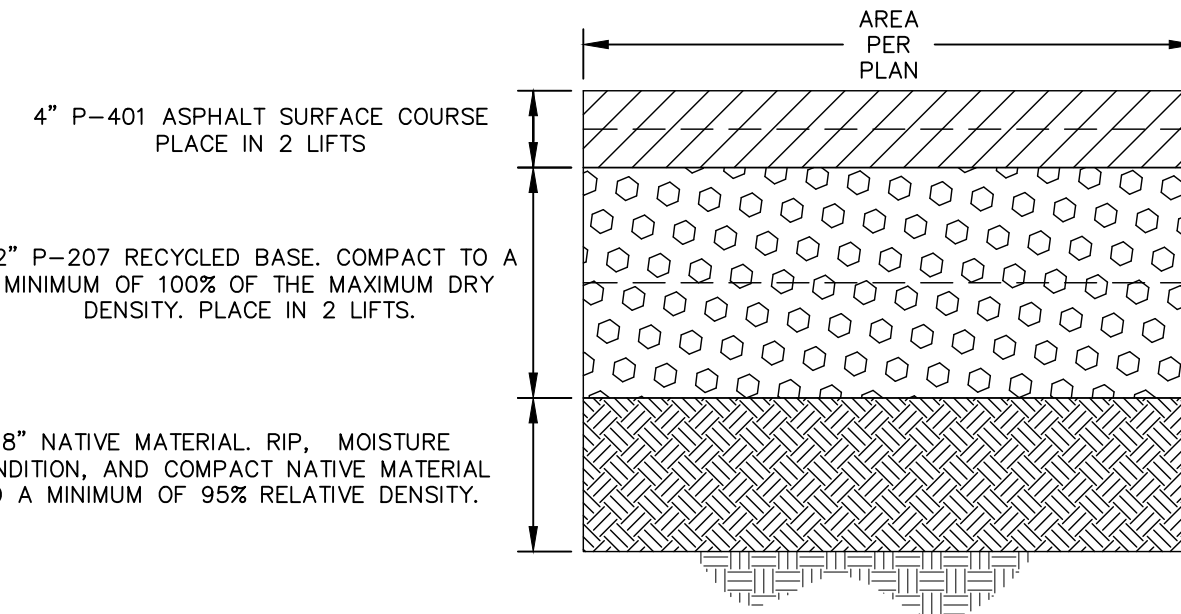
PAINT					GLASS BEADS	
AS DISPLAYED PER DETAIL	TYPE	COLOR	FED. STD. 595 NUMBER	APPLICATION RATE MAXIMUM	TYPE	APPLICATION RATE MINIMUM
	II	WHITE	37925	115 FT ² /GAL	III	10 LB/GAL
	II	YELLOW	33538 OR 33655	115 FT ² /GAL	III	10 LB/GAL
	II	BLACK	37038	115 FT ² /GAL	N/A	NOT USED

MARKING MATERIALS

F
13



DEMO



FULL DEPTH RECONSTRUCTION
SECTION DETAIL

H
13

NO SCALE



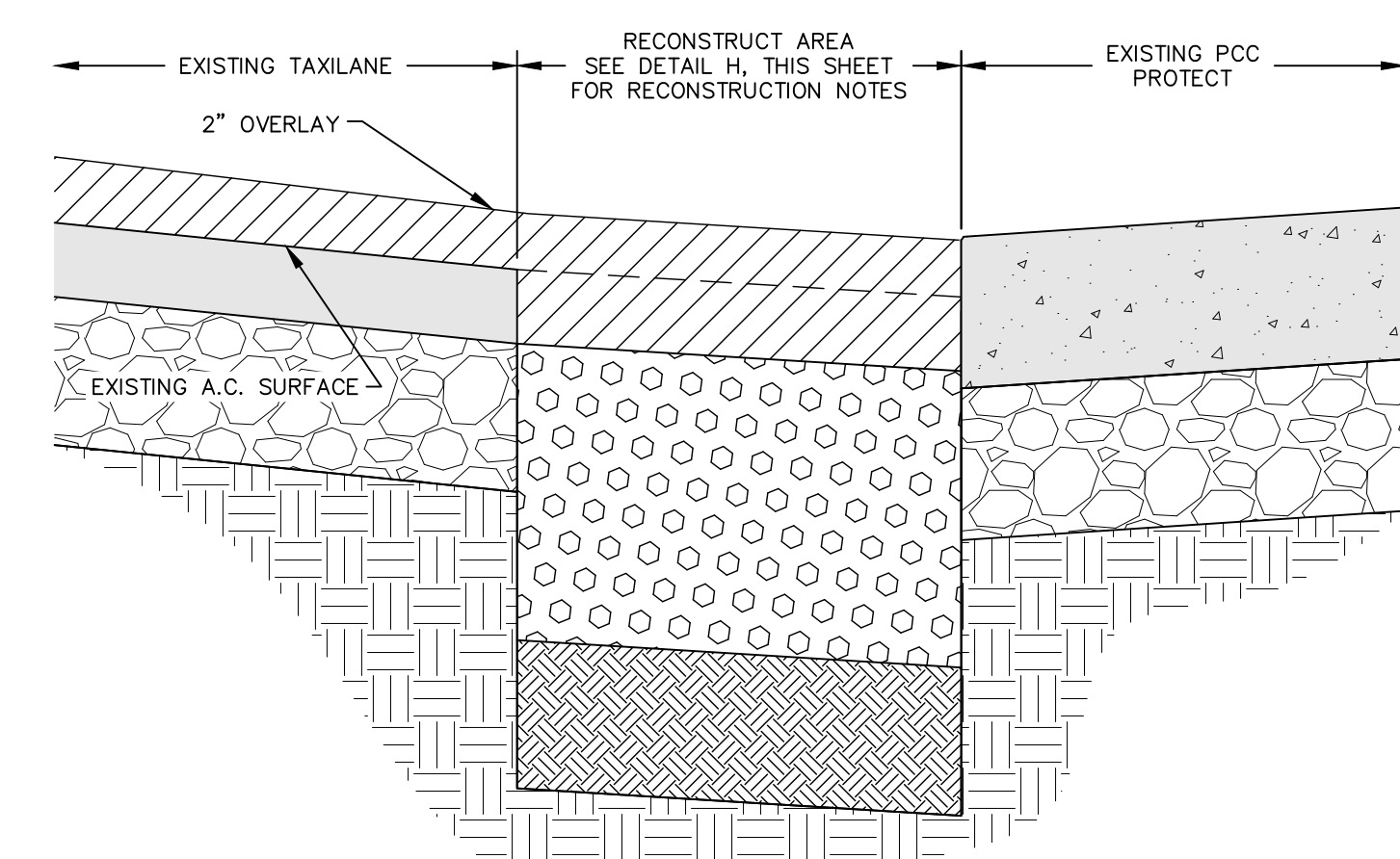
RECYCLED ASPHALT
GRINDINGS PLACEMENT AREA

I
13

NO SCALE

NOTES:

1. THE AREA SHOWN IS ADJACENT TO THE MILL AND OVERLAY WORK AREA. THE GOAL IS TO RECYCLE ALL OF THE ASPHALT GRINDINGS GENERATED THROUGH THE MILLING EFFORT.
2. BEFORE PLACING THE RECYCLED GRINDINGS, CONTRACTOR TO CLEAR & GRUB THE VEGETATION AND EXCAVATE THE EARTH MATERIAL TO A DEPTH OF 6" TO CREATE SPACE FOR THE GRINDINGS.
3. ALL MATERIAL GENERATED FROM CLEAR & GRUB, AND EXCAVATION EFFORT SHALL BE HAULED OFF THE AIRPORT AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR SHALL THEN RIP, MOISTURE CONDITION, AND COMPACT THE NATIVE MATERIAL.
5. THE GRINDINGS CAN BE PLACED IN ONE LIFT, NOT TO EXCEED 8" IN DEPTH, MOISTURE CONDITION, AND COMPACT TO MINIMUM OF 95% DENSITY.



IMPROVEMENT

ASPHALT SECTION RECONSTRUCTION
SECTION VIEW DETAIL

G
13

NO SCALE

UNDERGROUND SERVICE ALERT
811 DIAL 811
TWO WORKING DAYS
BEFORE YOU DIG

DETAILS
TYPICAL DETAILS

REV.	DESCRIPTION	DATE	APP.
△	-	-	-

TARTAGLIA ENGINEERING
MARINA MUNICIPAL AIRPORT
TAXILANE REHABILITATION

DESIGN NJG
DRAWN NJG
CHECKED JAS
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SHEET 13 of 13

