

2023 MISCELLANEOUS ROADWAY REPAIRS FOR BID

CITY OF KENAI



LOCATION MAP

SCALE: 1" = 4000' (22x34); 1" = 8000' (11x17)



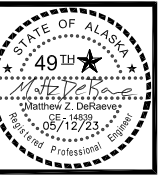
DRAWING INDEX

DRAWING

TITLE SHEET AND LOCATION MAP
INTERSECTION LOCATIONS AND SHEET INDEX
LEGEND, ABBREVIATIONS, AND NOTES
INTERSECTIONS FOR REPAIR
INTERSECTIONS FOR REPAIR
INTERSECTIONS FOR REPAIR
INTERSECTIONS FOR REPAIR
INTERSECTIONS FOR REPAIR
TYPICAL DETAILS

SHEET

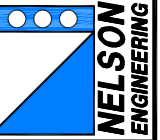
C1
C2
C3
C4
C5
C6
C7
C8
C9



NO.	REVISION	DATE

CONSULTING ENGINEERS
STRUCTURAL/CIVIL

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**NELSON**
ENGINEERING

2023 MISCELLANEOUS ROADWAY REPAIRS
CITY OF KENAI
KENAI, ALASKA
TITLE SHEET AND LOCATION MAP

PROJECT NO.
2022030.4
DRAWN BY:
GTP
CHECKED BY:
MZD/MJD
DATE: 05/12/2023
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: **C1**



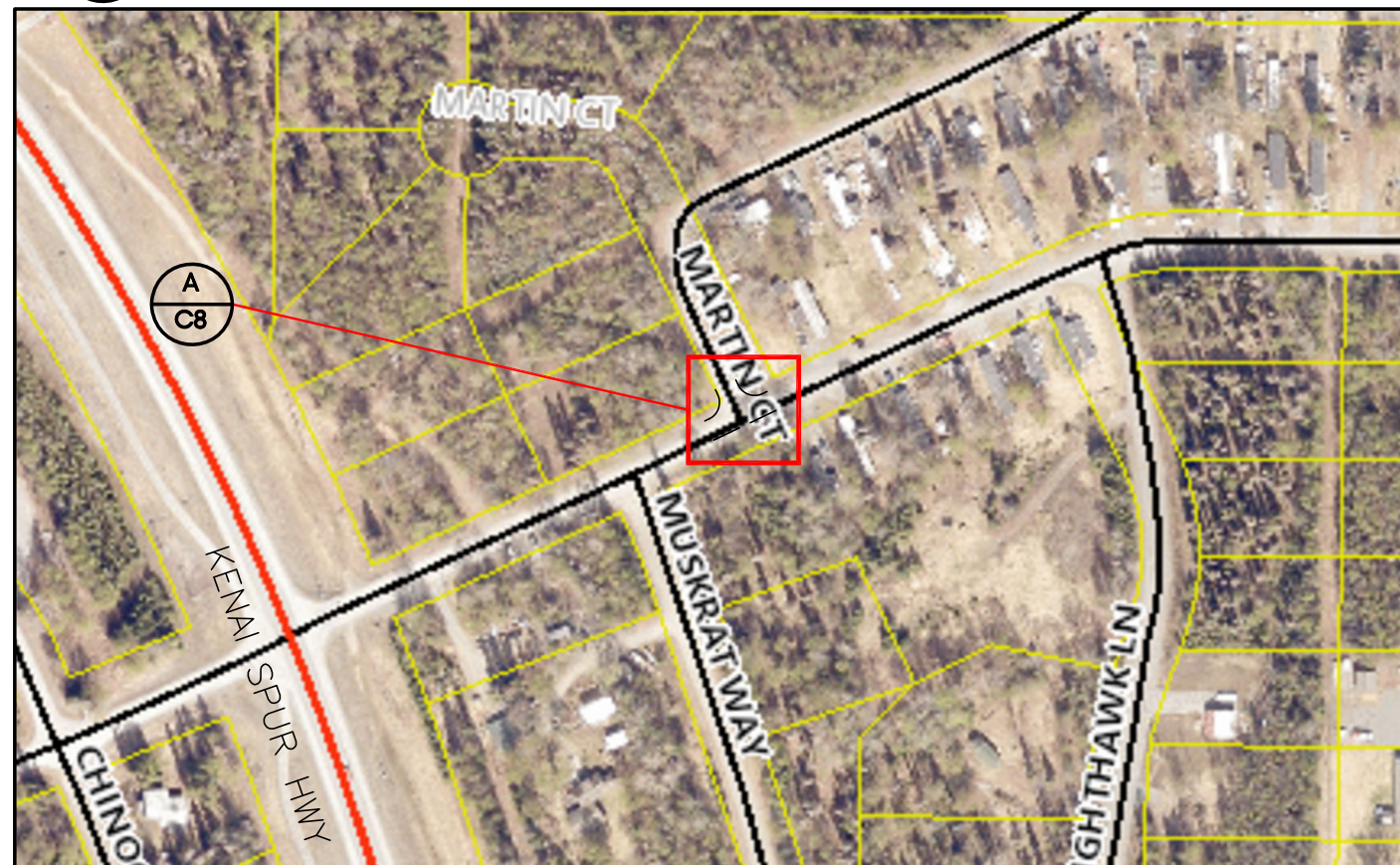
A
C2 INTERSECTION LOCATION - HALLER ST AND FOURTH AVE
GRAPHIC SCALE: 1" = 200' (22X34); 1" = 400' (11X17)



C
C2 INTERSECTION LOCATIONS - EAGLE ROCK DR
GRAPHIC SCALE: 1" = 100' (22X34); 1" = 200' (11X17)



B
C2 INTERSECTION LOCATIONS - VIP SUBDIVISION
GRAPHIC SCALE: 1" = 200' (22X34); 1" = 400' (11X17)



D
C2 INTERSECTION LOCATION - SILVER SALMON DR
GRAPHIC SCALE: 1" = 100' (22X34); 1" = 200' (11X17)



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	2 OF 9

LEGEND

EXISTING (E)	PROPOSED (P)	
		ROAD CENTERLINE
		EDGE OF ASPHALT PAVEMENT
		DITCHLINE RESTORATION
 UGC		UTILITY – COMMUNICATION
 UGE		UTILITY – ELECTRIC (UNDERGROUND)
 GAS		UTILITY – GAS
 W		UTILITY – WATER
 SS		UTILITY – SANITARY SEWER
		CULVERT
		LIGHT POLE
		SANITARY SEWER MANHOLE
		WATER VALVE
		SHOULDER
		DEMO AND REPLACE PAVEMENT
		DEMO GRAVEL SURFACE AND PAVE
		SETTLEMENT/BURY PIT REGION

ABBREVIATIONS

AC	ASPHALT CONCRETE, ACRE	MIN	MINIMUM
ADA	AMERICAN DISABILITIES ACT	MKR	MARKER POST
ALUM	ALUMINUM	MON	MONUMENT
APPROX	APPROXIMATE	N	NORTH
AVG	AVERAGE	NFS	NON FROST SUSCEPTIBLE
BLDG	BUILDING	NTS	NOT TO SCALE
BOP	BOTTOM OF PIPE	OC	ON CENTER
BVCE	BEGIN VERTICAL CURVE	OFF	OFFSET
	ELEVATION	OHE	OVERHEAD ELECTRIC
BVCS	BEGIN VERTICAL CURVE	PI	POINT OF INTERSECTION
	STATION	PL	PROPERTY LINE
C.O.	CLEANOUT	PP	POWER POLE
CIP	CAST IRON PIPE	PT	POINT
CL	CENTER LINE, CLASS	PVI	POINT OF VERTICAL
CMP	CORRUGATED METAL PIPE		INTERSECTION
CNTR	CENTER	PVMT	PAVEMENT
CONC	CONCRETE	R	RADIUS, RECORD
CP	CONTROL POINT	REQ'D	REQUIRED
DIA	DIAMETER	RG	RAIN GARDEN
DW	DRIVEWAY	ROW	RIGHT-OF-WAY
DWG	DRAWING	S	SOUTH
E	EAST, ELECTRIC	S/W	SIDEWALK
EA	EACH	SW	SWALE
EG	EXISTING GROUND	SH	SHOULDER
EL,ELEV	ELEVATION	SS	SANITARY SEWER/SEWER
EOP	END OF PROJECT		SERVICE
EP	EDGE OF PAVEMENT	SSLS	SANITARY SEWER LIFT
ESMT	EASEMENT		STATION
EXIST	EXISTING	SSMH	SANITARY SEWER
FF	FINISH FLOOR		MANHOLE
FG	FINISH GRADE	STA	STATION
FT	FOOT, FEET	TBC	TOP BACK OF CURB
F&I	FURNISH AND INSTALL	TBM	TEMPORARY BENCHMARK
GD	GROUND	TC	TOP OF CONCRETE
GR	GRADE	TP	TEST PIT
HYD	HYDRANT	TYP	TYPICAL
INV	INVERT	UGC	UNDERGROUND COMMUNICATION
L	LENGTH	UGE	UNDERGROUND ELECTRIC
LF	LINEAR FEET	VB	VALVE BOX
LT	LEFT	W	WATER, WEST
LVC	LENGTH OF VERTICAL CURVE	WS	WATER SERVICE
MAX	MAXIMUM		
ME	MATCH EXISTING		

GENERAL NOTES

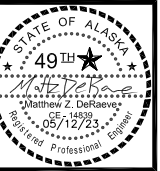
1. DRAWINGS ARE BASED ON FIELD OBSERVATIONS AND MEASUREMENTS BY NELSON ENGINEERING BETWEEN 9/28/22 AND 10/5/22 IN CONJUNCTION WITH SATELLITE IMAGERY FROM THE KENAI PENINSULA BOROUGH GEOHUB VIEWERS (GEOHUB.KPB.US). ALL FIELD HORIZONTAL MEASUREMENTS ARE PRACTICAL AND APPROXIMATE. ALL ELEVATIONS ARE BASED ON A LOCAL DATUM INDICATED IN THE DRAWINGS AT EACH SITE AND ARE NOT TRUE ELEVATIONS. NO PROFESSIONAL SURVEY WAS OBTAINED.
2. LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. ACTUAL DEPTH, NUMBER AND LOCATION ARE UNKNOWN. BURIED UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, IDENTIFYING, AND WORKING AROUND ALL UTILITIES WITHIN THE PROJECT LIMITS AT NO ADDITIONAL COST TO THE OWNER. CALL FOR LOCATES PRIOR TO EXCAVATION: ALASKA DIGLINE 1-800-478-3121.
3. THE FOLLOWING ALASKA STATUTES APPLY TO WORK NEAR OVERHEAD ELECTRIC LINES:

AS 18.60.670 PROHIBITION AGAINST PLACEMENT OF EQUIPMENT NEAR ELECTRICAL LINE AND CONDUCTORS.

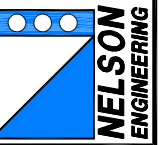
(1) PLACE ANY TYPE OF TOOL, EQUIPMENT, MACHINERY, OR MATERIAL THAT IS CAPABLE OF LATERAL, VERTICAL, OR SWINGING MOTION, WITHIN 10 FEET OF A HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR.

(2) STORE, OPERATE, ERECT, MAINTAIN, MOVE, OR TRANSPORT TOOLS, MACHINERY, EQUIPMENT, SUPPLIES, MATERIALS, APPARATUS, BUILDINGS, OR OTHER STRUCTURES WITHIN 10 FEET OF A HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR.

AS 18.60.680 ANY WORK WITHIN MINIMUM DISTANCE STATED ABOVE SHALL REQUIRE CONTACT WITH HEA TO INSTALL TEMPORARY MECHANICAL BARRIERS, TEMPORARY DE-ENERGIZATION AND GROUNDING, OR TEMPORARY RAISING OF CONDUCTORS.
4. IF NOT DETAILED IN THESE DRAWINGS AND SPECIFICATIONS, ALL APPLICABLE CONSTRUCTION SHALL BE BUILT IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (M.A.S.S.), LATEST EDITION. REPLACE "AWWU" WITH "CITY OF KENAI" THROUGHOUT SPECIFICATIONS. PROJECT DRAWINGS AND PROJECT SPECIFICATIONS TAKE PRECEDENCE OVER M.A.S.S.
5. CONTRACTOR IS REQUIRED TO FIND ALL PROPERTY PINS/MONUMENTS WITHIN PROJECT AREA AND PROTECT OR REPLACE AFTER CONSTRUCTION IS COMPLETE.
6. SEED ALL AREAS DISTURBED BY CONSTRUCTION PER M.A.S.S., LATEST EDITION.
7. CONTRACTOR SHALL ADHERE TO LOCAL REQUIREMENTS FOR NOISE, HOURS OF OPERATION, AND DUST CONTROL.
8. TRAFFIC MARKINGS:
 - PROVIDE 4" SOLID YELLOW STRIP AT CENTERLINE OF ROAD
 - PROVIDE 4" SOLID WHITE FOGLINE AT SHOULDERS

[illegible]

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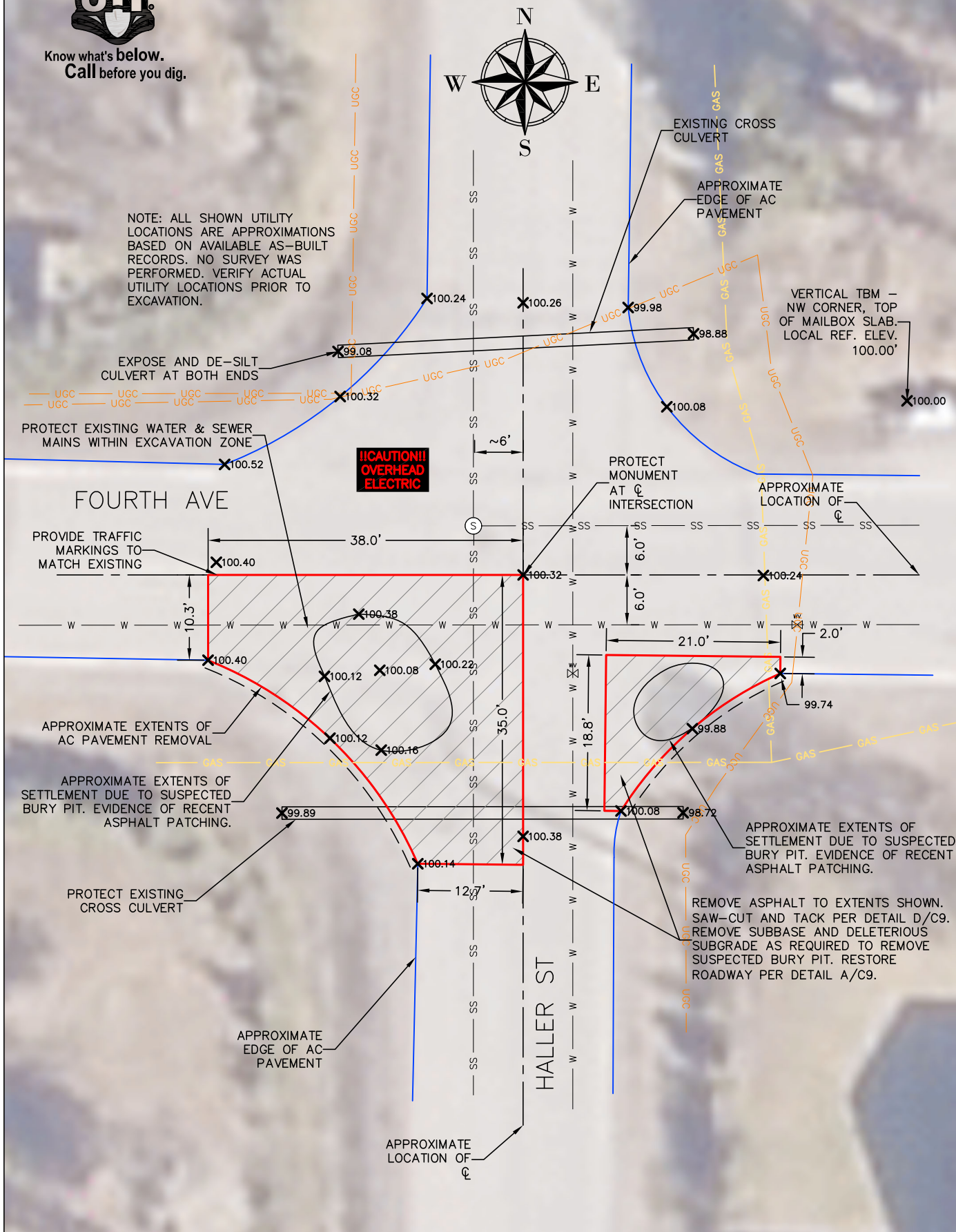


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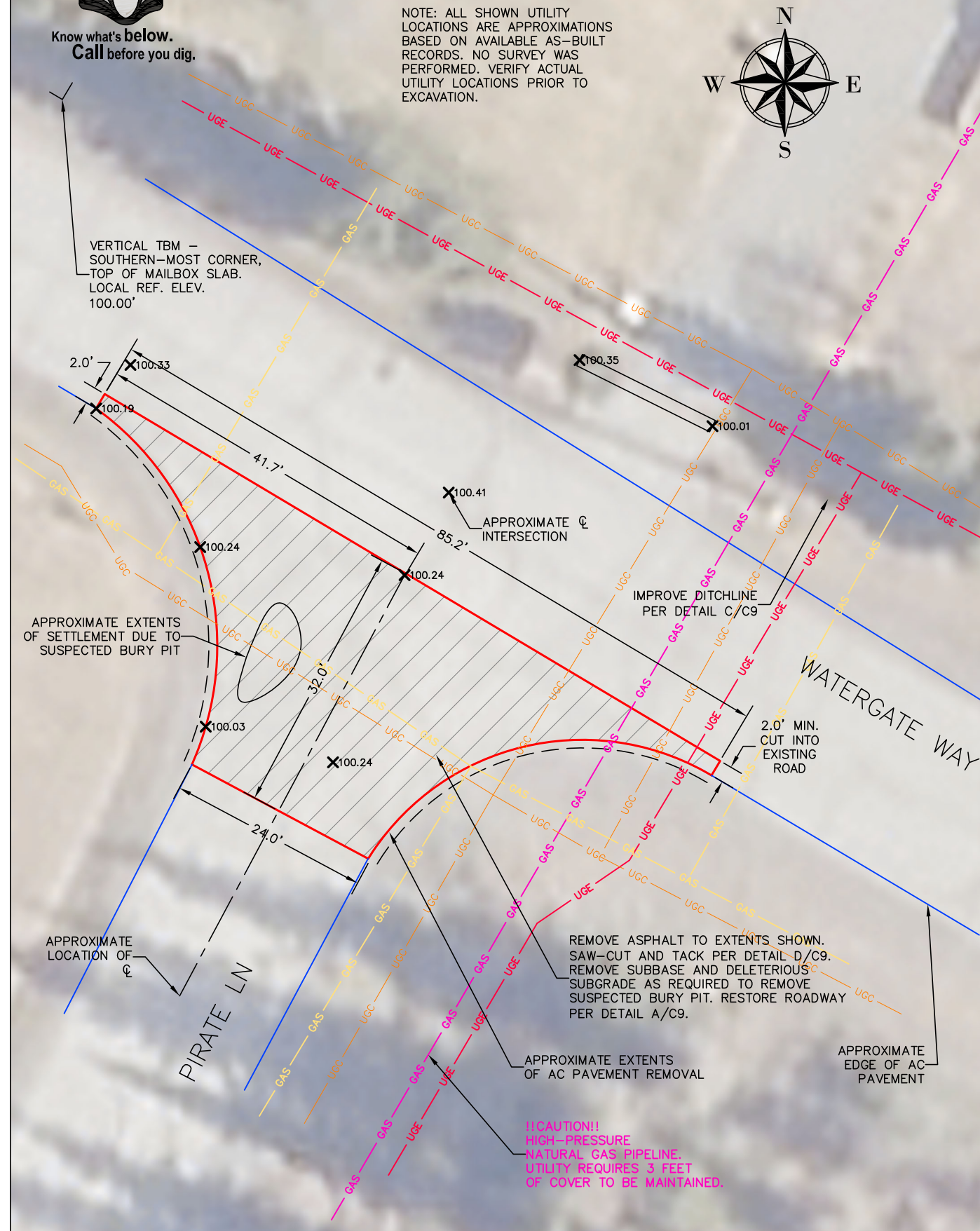
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SHEET: C3



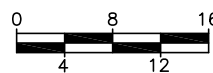
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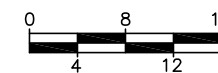
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A
C4 HALLER STREET AND FOURTH AVENUE
GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)

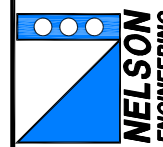


B
C4 WATERGATE WAY AND PIRATE LANE
GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)



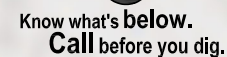
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VERTICAL TBM -
SOUTHERN-MOST CORNER,
-TOP OF MAILBOX SLAB.
LOCAL REF. ELEV.
100.00'

APPROXIMATE
LOCATION OF
BEEHIVE DRAINAGE
INTAKE

APPROXIMATE EXTENTS OF
SETTLEMENT DUE TO SUSPECTED
BURY PIT. EVIDENCE OF RECENT
ASPHALT PATCHING.

APPROXIMATE
LOCATION OF-

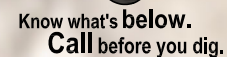
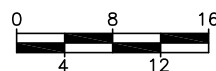
SCHOONER CIR

NOTE: NO OBSERVED
CROSS CULVERTS AT
THIS INTERSECTION

REMOVE ASPHALT TO EXTENTS SHOWN.
SAW-CUT AND TACK PER DETAIL D/C9.
REMOVE SUBBASE AND DELETERIOUS
SUBGRADE AS REQUIRED TO REMOVE
SUSPECTED BURY PIT. RESTORE ROADWAY
PER DETAIL A/C9.

A WATERGATE WAY AND SCHOONER CIRCLE
C5 GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)

GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)



NOTE: ALL SHOWN UTILITY LOCATIONS ARE APPROXIMATIONS BASED ON AVAILABLE AS-BUILT RECORDS. NO SURVEY WAS PERFORMED. VERIFY ACTUAL UTILITY LOCATIONS PRIOR TO EXCAVATION.

VERTICAL TBM -
SOUTHERN-MOST CORNER,
TOP OF MAILBOX SLAB.
LOCAL REF. ELEV.
100.00'

APPROXIMATE
EDGE OF AC—
PAVEMENT

REMOVE ASPHALT AND BASE TO
EXTENTS SHOWN. SAW-CUT AND TACK
PER DETAIL D/C9. RESTORE ROADWAY-
PER DETAILS ON SHEET C9.
NO SUSPECTED BURY PIT.

APPROXIMATE EXTENTS
OF AC PAVEMENT REMOVAL

APPROXIMATE
LOCATION OF

SET NET DR

PROVIDE TRAFFIC
MARKINGS TO
MATCH EXISTING

PROTECT EXISTING
CROSS CULVERT

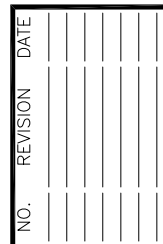
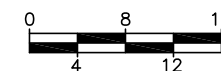
APPROXIMATE
EDGE OF AC
PAVEMENT

WATERGATE WA

2.0' MIN.
CUT INTO
EXISTING
ROAD

B WATERGATE WAY AND SET NET DRIVE
C5 GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)

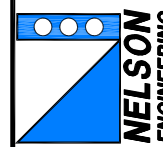
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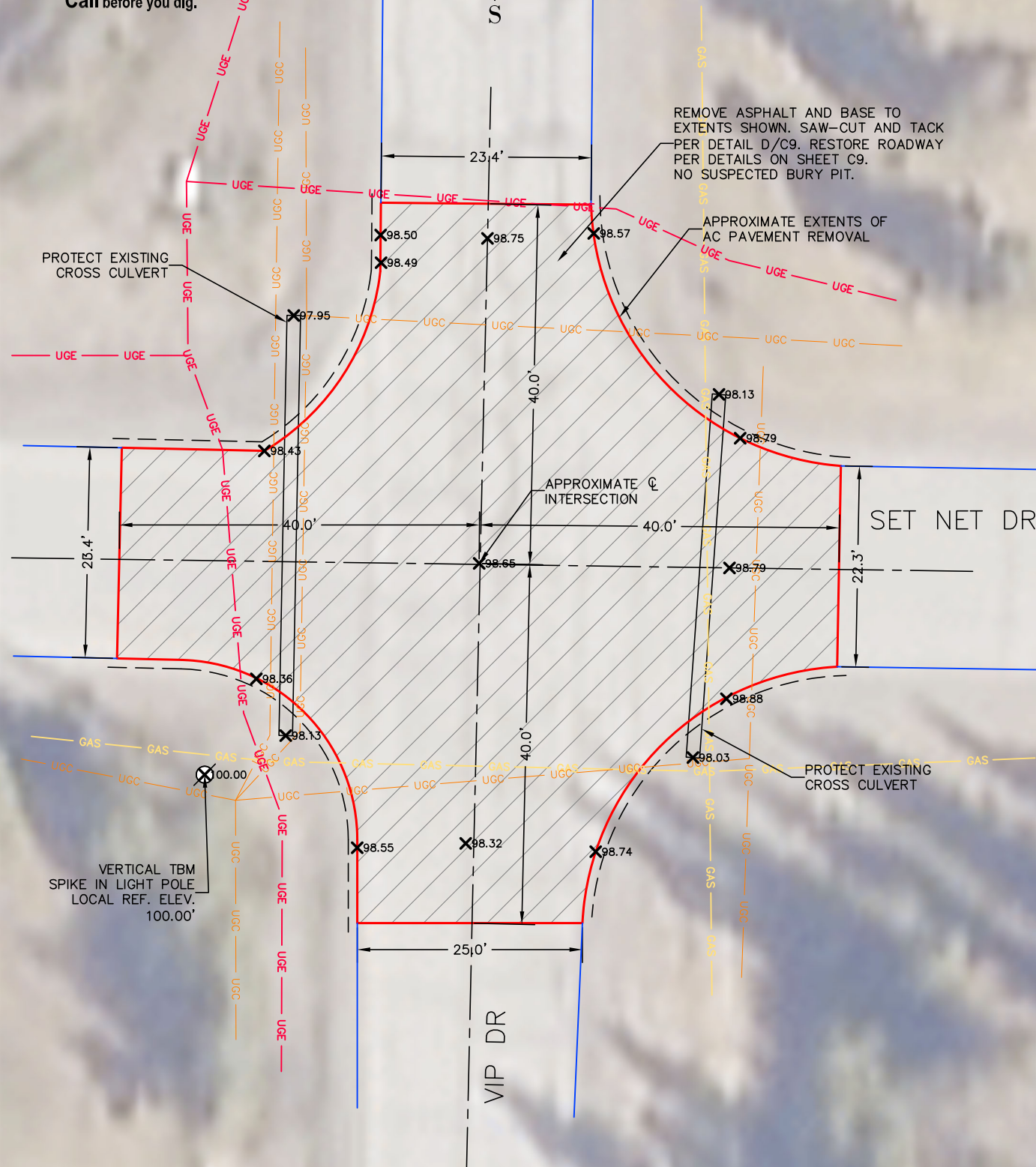
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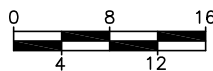
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NOTE: ALL SHOWN UTILITY LOCATIONS ARE APPROXIMATIONS BASED ON AVAILABLE AS-BUILT RECORDS. NO SURVEY WAS PERFORMED. VERIFY ACTUAL UTILITY LOCATIONS PRIOR TO EXCAVATION.



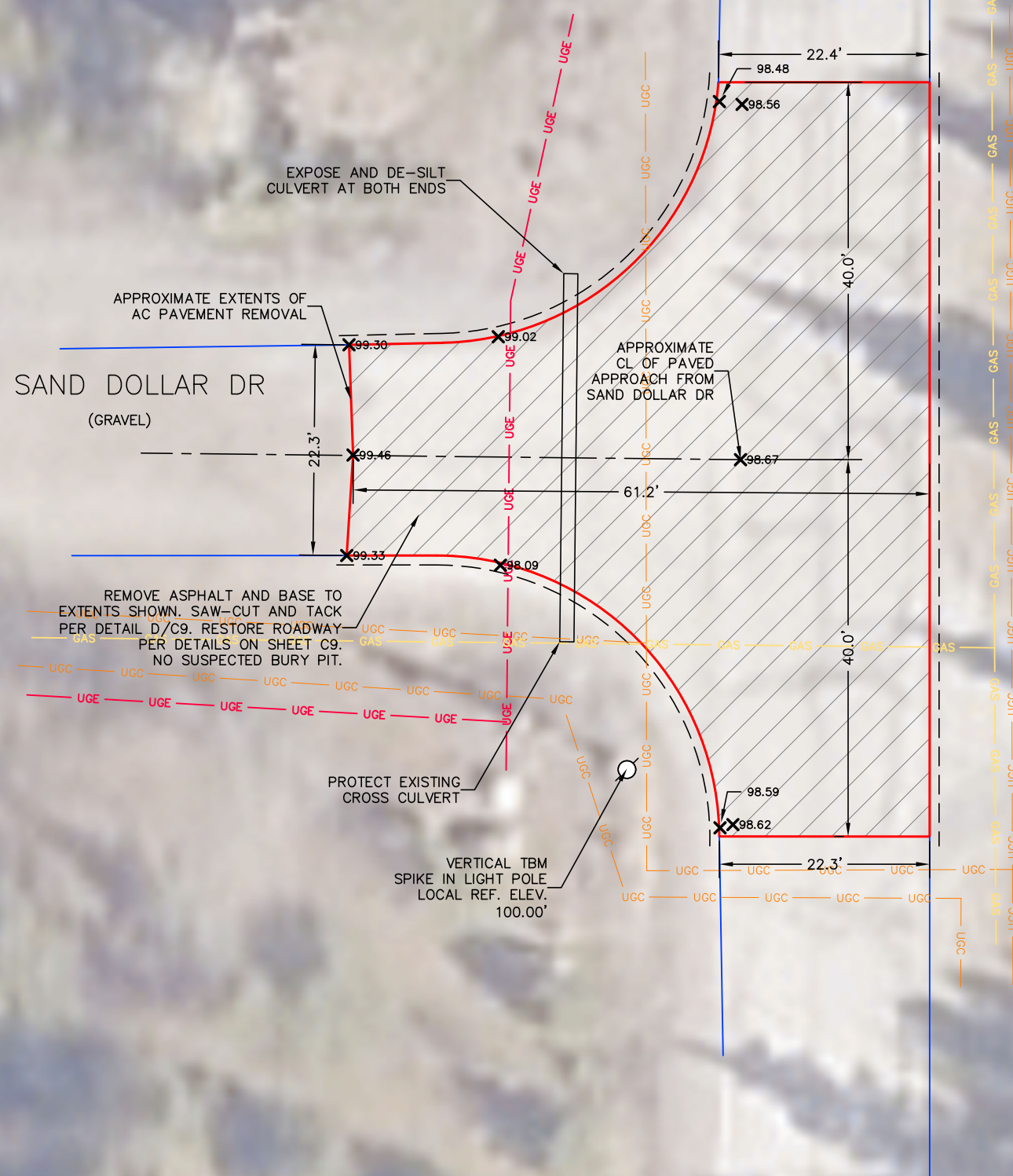
A VIP DRIVE AND SET NET DRIVE
C6 GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)



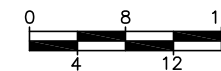
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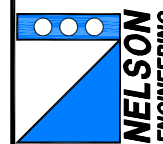


B VIP DRIVE AND SAND DOLLAR DRIVE
C6 GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)



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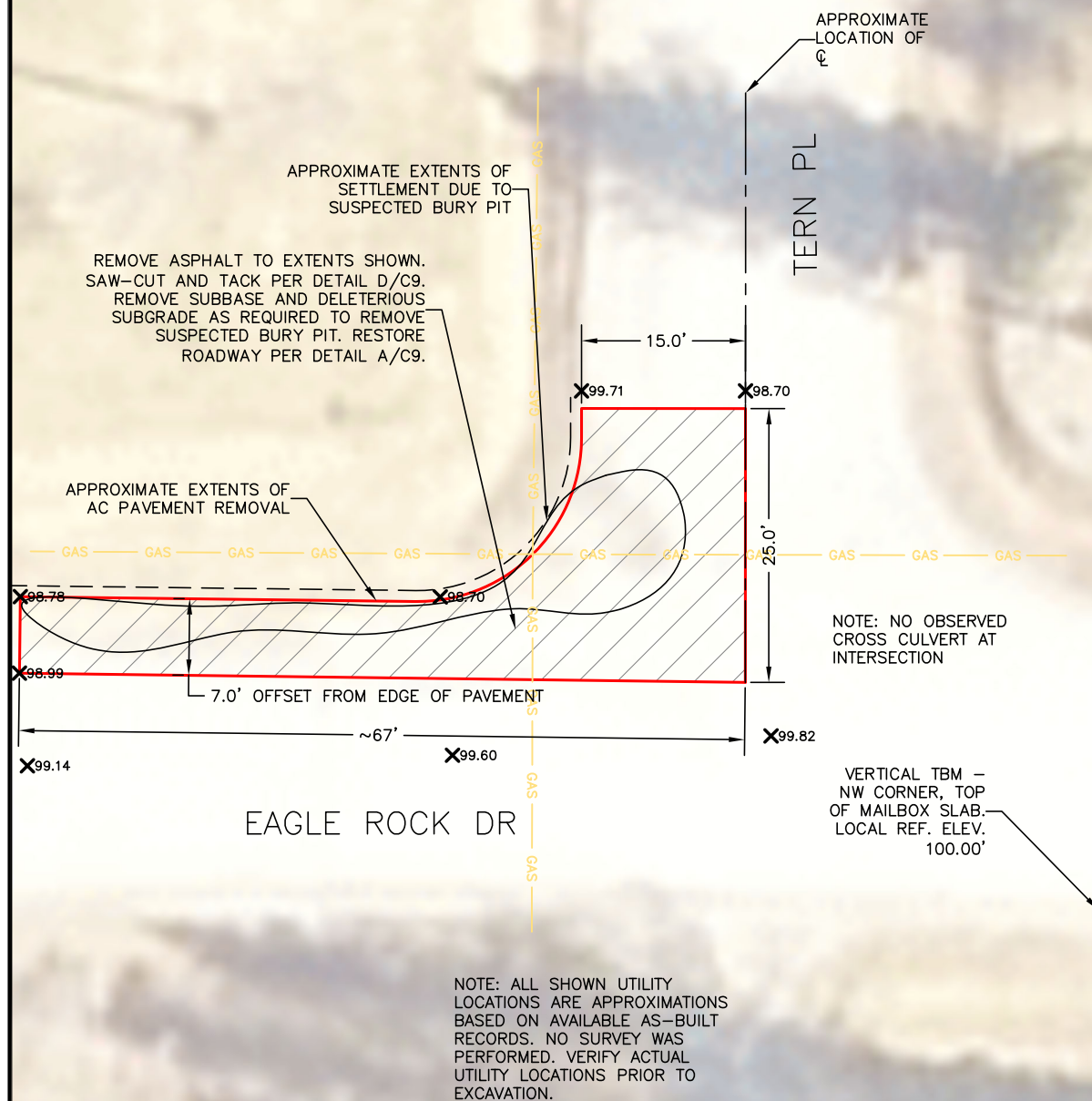


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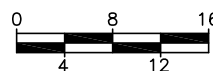
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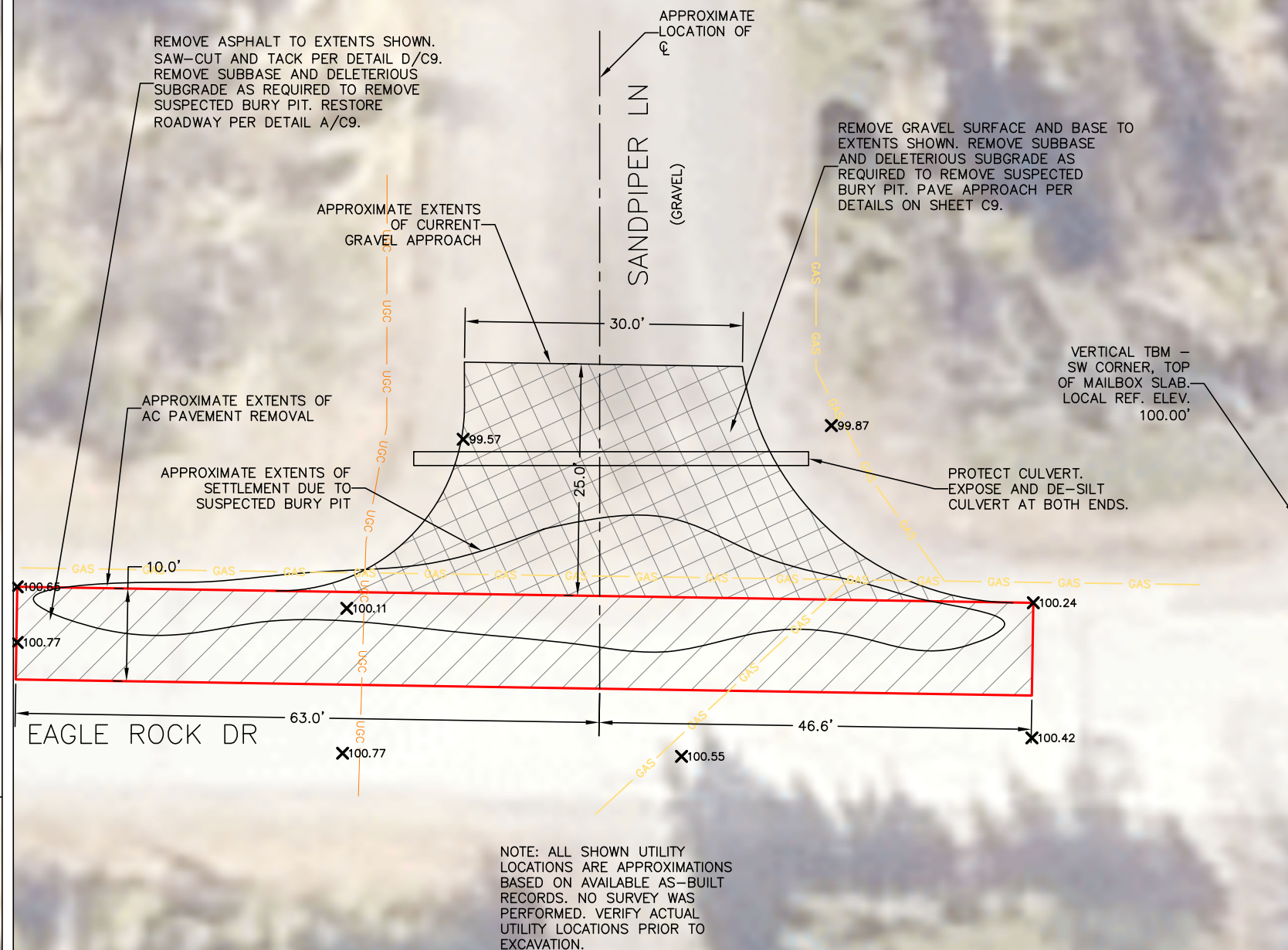
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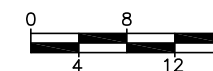
A EAGLE ROCK DRIVE AND TERN PLACE
C7 GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)



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B EAGLE ROCK DRIVE AND SANDPIPER LANE
C7 GRAPHIC SCALE: 1" = 8' (22X34); 1"=16' (11X17)



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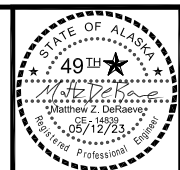
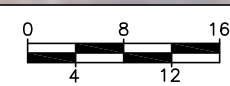
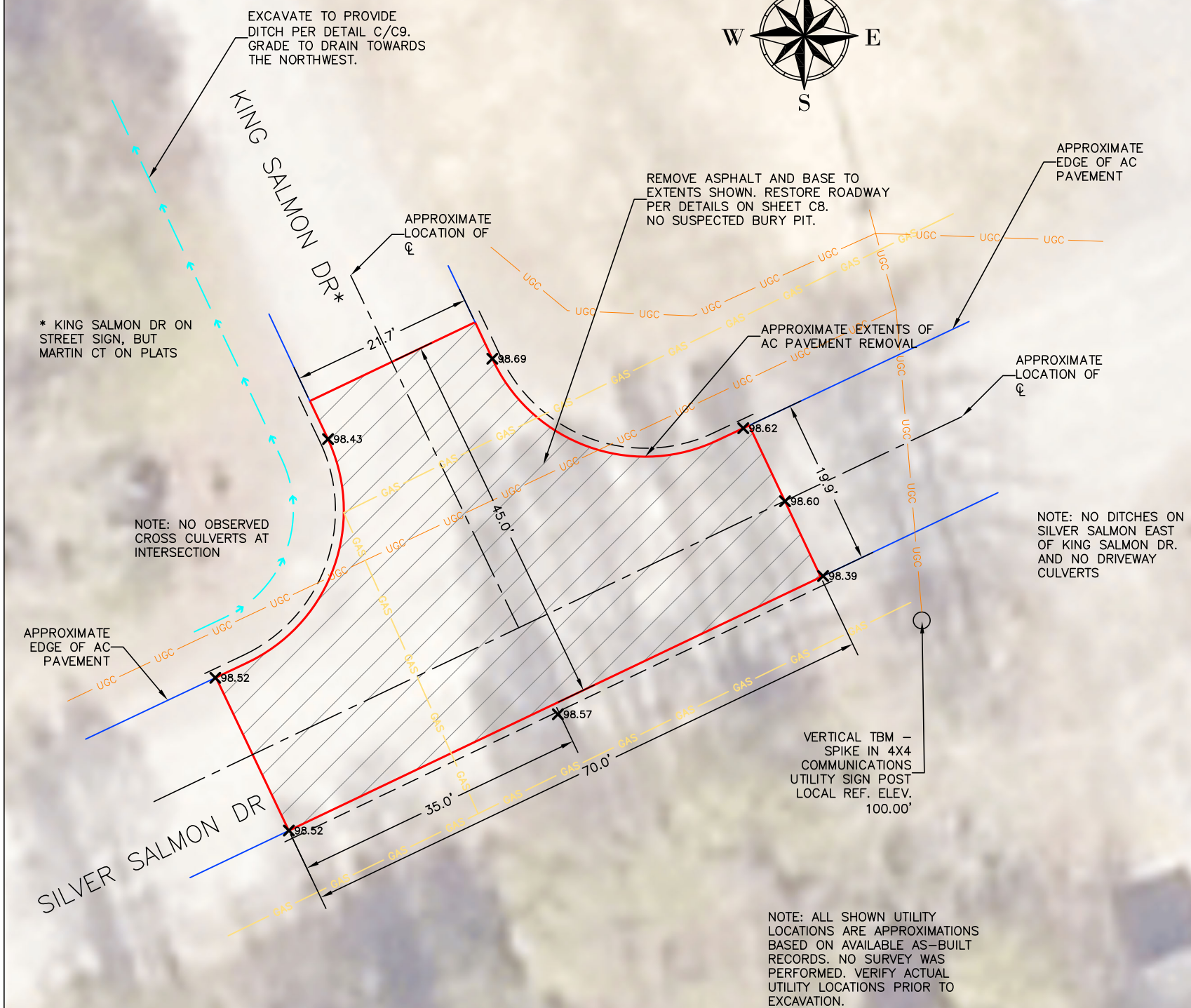
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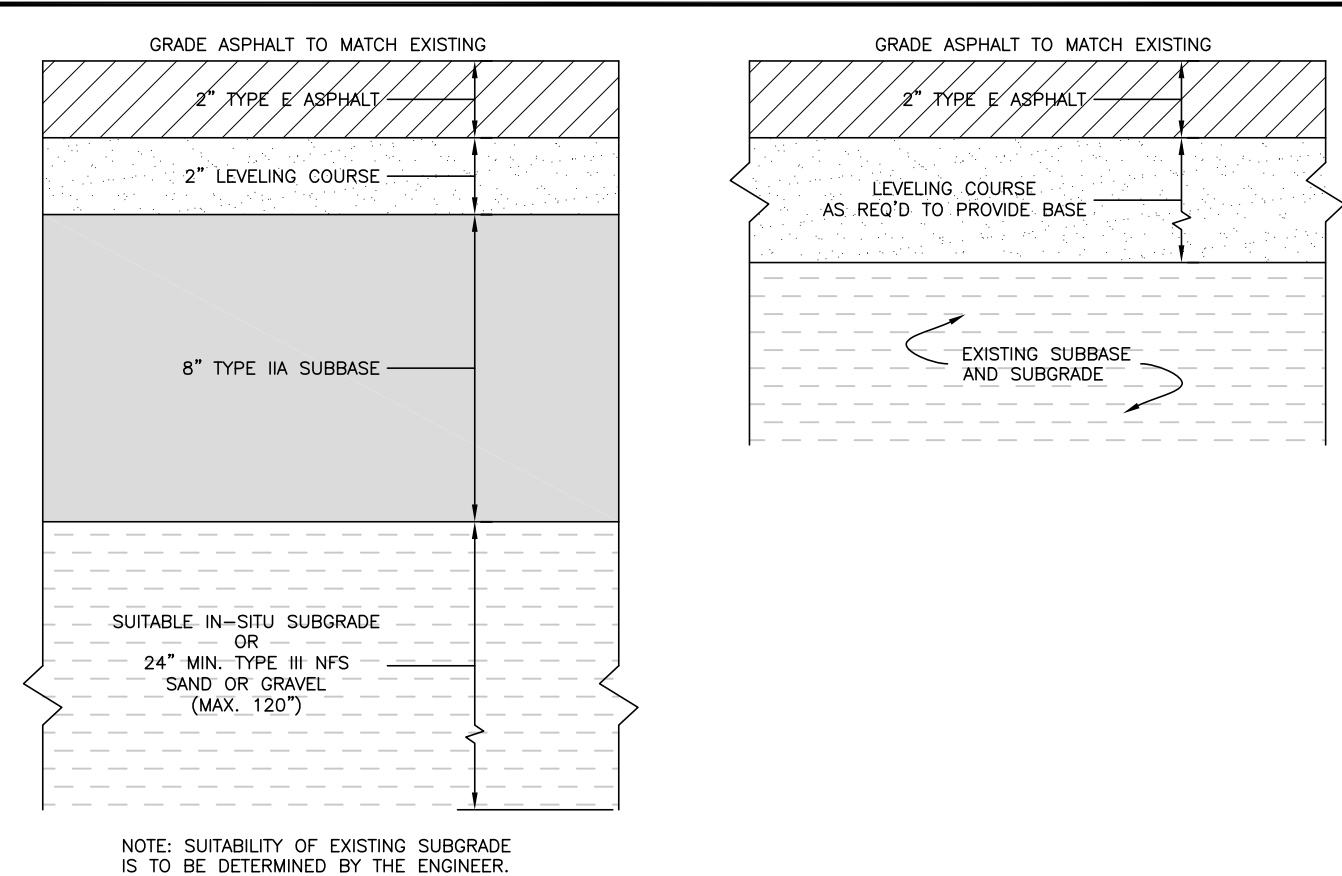
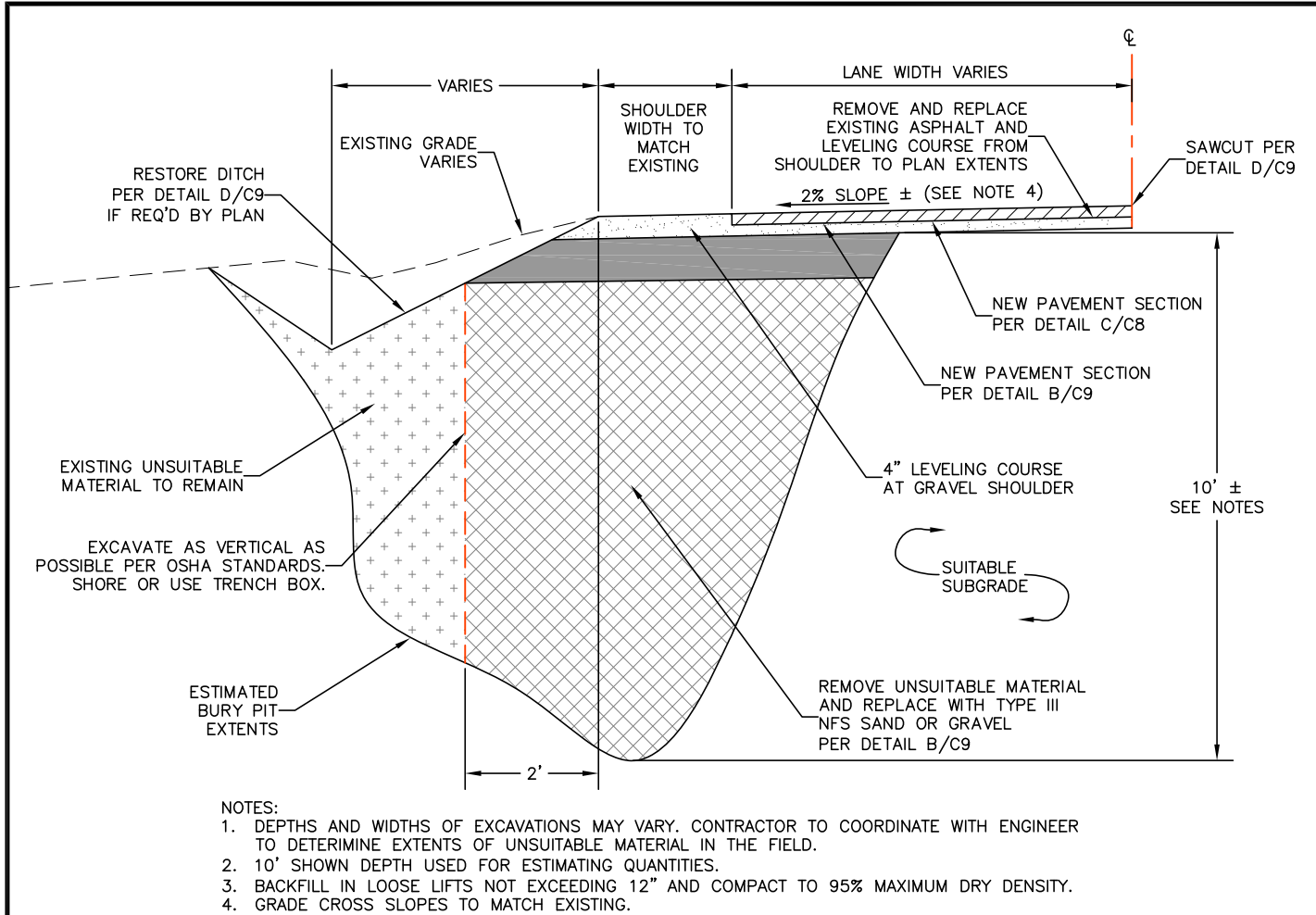
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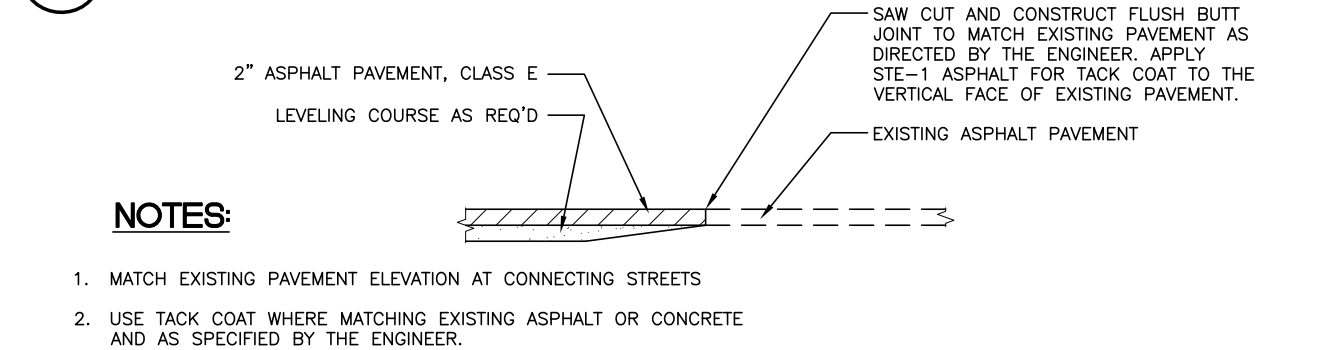
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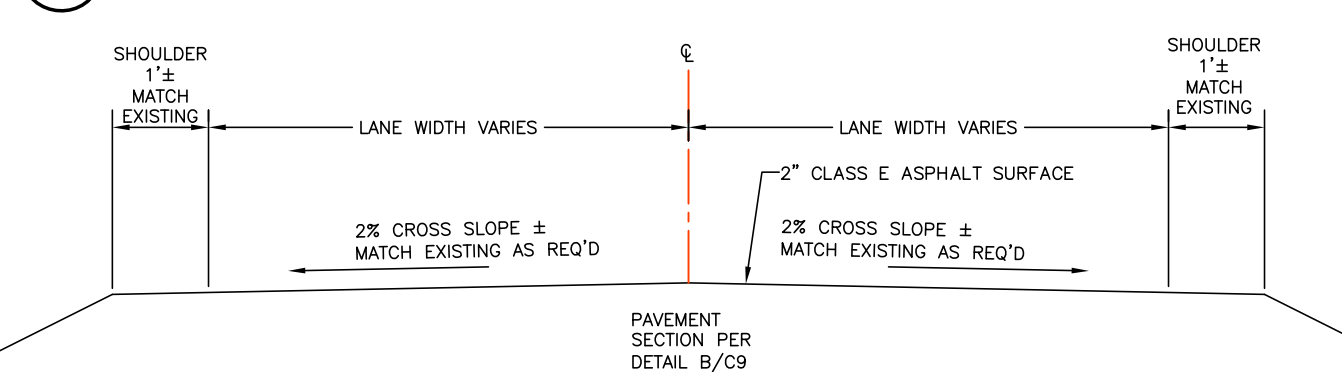
MAJOR SETTLEMENT OR BURY PIT AREAS

PAVEMENT SURFACE RESTORATION AREAS

TYPICAL PAVEMENT SECTIONS

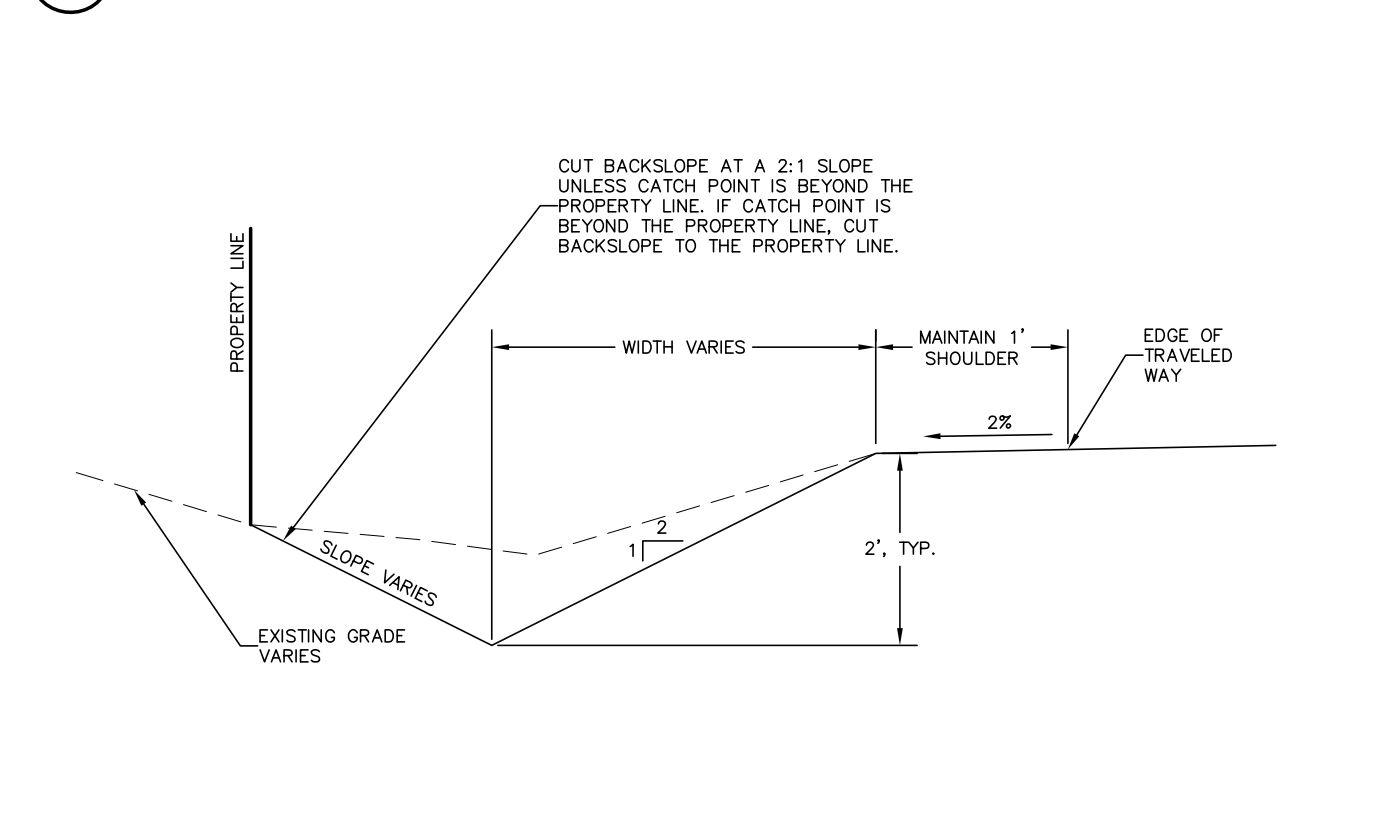


TYPICAL PAVEMENT MATCH DETAIL



TYPICAL ROAD CROWN DETAIL

TYPICAL BURY PIT REPAIR SECTION



TYPICAL DITCHLINE RESTORATION



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