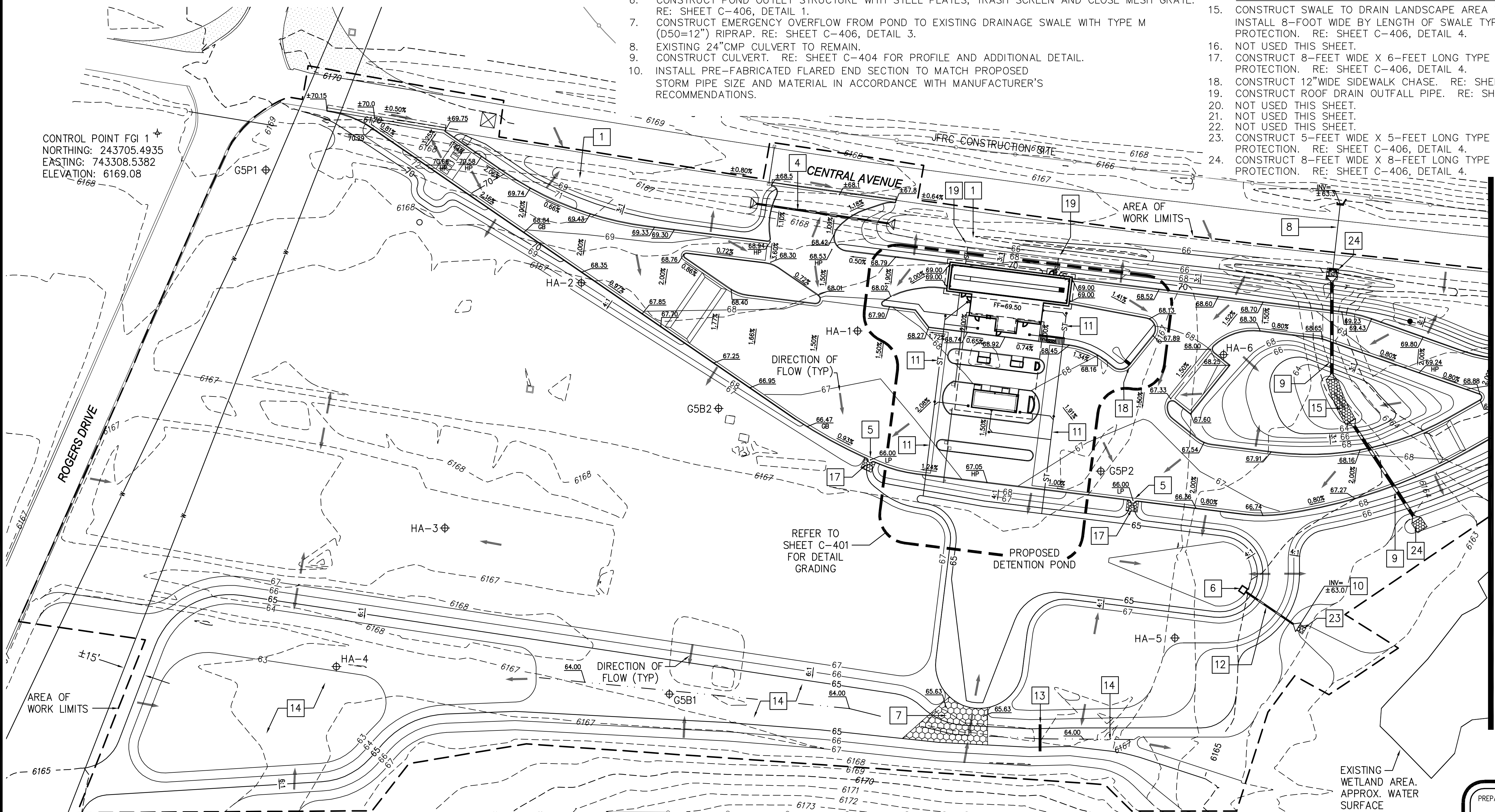


CONSTRUCTION GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE OFF-SITE DRAINAGE FROM THE NORTH WITH THE JOINT FORCES READINESS CENTER (JFRC) PROJECT.
2. CONCRETE SPEED TABLES SHALL BE TAPERED AT TOE OF GUTTER TO ALLOW POSITIVE GUTTER FLOW. REFER TO SHEET C-200 FOR ADDITIONAL INFORMATION.
3. REFER TO SHEET C-200 FOR DELINEATION OF PAVEMENT SECTIONS AND CURB AND GUTTER TYPES.
4. REFER TO SHEET C-401 FOR LISTING OF ADDITIONAL CONTROL POINTS.

CONSTRUCTION FLAG NOTES

1. EXISTING OPEN CHANNEL TO REMAIN.
2. NOT USED THIS SHEET.
3. NOT USED THIS SHEET.
4. CONSTRUCT CULVERT. CONTRACTOR SHALL FIELD VERIFY INVERTS AND SLOPE TO MATCH FLOWLINE OF EXISTING SWALE AND BACKFILL WITH CITY MIX #4. RE: PROFILE, SHEET C-404.
5. CONSTRUCT CURB OPENING, REFER TO DRAWING C-200.
6. CONSTRUCT POND OUTLET STRUCTURE WITH STEEL PLATES, TRASH SCREEN AND CLOSE MESH GRATE. RE: SHEET C-406, DETAIL 1.
7. CONSTRUCT EMERGENCY OVERFLOW FROM POND TO EXISTING DRAINAGE SWALE WITH TYPE M (D50=12") RIPRAP. RE: SHEET C-406, DETAIL 3.
8. EXISTING 24" CMP CULVERT TO REMAIN.
9. CONSTRUCT CULVERT. RE: SHEET C-404 FOR PROFILE AND ADDITIONAL DETAIL.
10. INSTALL PRE-FABRICATED FLARED END SECTION TO MATCH PROPOSED STORM PIPE SIZE AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
11. CONSTRUCT ROOF DRAIN CONVEYANCE SYSTEM. RE: SHEET C-403.
12. CONSTRUCT ±40LF - 15" RCP OUTFALL PIPE. RE: SHEET C-405, DETAIL 4.
13. CONSTRUCT CONCRETE CUTOFF WALL ACROSS PROPOSED SWALE. RE: SHEET C-405, DETAIL 1.
14. CONSTRUCT SWALE AND PROPOSED LOW LYING AREA AS SHOWN. DO NOT EXCAVATE OVER TOP OF EXISTING WATER LINES ADJACENT TO ROGERS DRIVE.
15. CONSTRUCT SWALE TO DRAIN LANDSCAPE AREA TO PROPOSED CULVERT. INSTALL 8-FOOT WIDE BY LENGTH OF SWALE TYPE L (D50=9") RIPRAP PROTECTION. RE: SHEET C-406, DETAIL 4.
16. NOT USED THIS SHEET.
17. CONSTRUCT 8-FOOT WIDE X 6-FOOT LONG TYPE L (D50=9") RIPRAP PROTECTION. RE: SHEET C-406, DETAIL 4.
18. CONSTRUCT 12" WIDE SIDEWALK CHASE. RE: SHEET C-405, DETAIL 2.
19. CONSTRUCT ROOF DRAIN OUTFALL PIPE. RE: SHEET C-300.
20. NOT USED THIS SHEET.
21. NOT USED THIS SHEET.
22. NOT USED THIS SHEET.
23. CONSTRUCT 5-FOOT WIDE X 5-FOOT LONG TYPE L (D50=9") RIPRAP PROTECTION. RE: SHEET C-406, DETAIL 4.
24. CONSTRUCT 8-FOOT WIDE X 8-FOOT LONG TYPE L (D50=9") RIPRAP PROTECTION. RE: SHEET C-406, DETAIL 4.



GRADING PLAN

SCALE: 1" = 40'-0"

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL ALLOW 14 CALENDAR DAYS FROM DATE OF WRITTEN APPLICATION TO RECEIVE PERMISSION TO DIG AND CLOSE ROADS. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS AND UTILITIES AND SHALL REPAIR ANY DAMAGE AT HIS EXPENSE.

LEGEND

PROPOSED	EXISTING
CHAIN LINK FENCE	— X — X —
WIRE FENCE	— X — X —
STORM SEWER	— X — X —
ROOF DRAIN LINE	— X — X —
WATERLINE	— X — X —
CONTOUR	— X — X —
66	6168
25.25	
2.00%	
HP	
LP	
GB	
HA-5	

DETENTION POND SUMMARY

STORM FREQUENCY (YR)	HISTORIC RELEASE (CFS)	DEVELOPED PEAK (CFS)	REQUIRED VOLUME (CF)	WATER SURFACE (FT)	VOLUME PROVIDED (CF)
2	0.61	6.16	5,552	64.66	5,552
5	0.90	9.03	7,597	65.08	9,457
10	1.00	10.78	9,656	65.16	10,771
25	1.42	14.68	12,993	65.37	14,223
50	1.74	18.48	15,871	65.49	16,195
100	2.01	21.81	18,484	65.63	18,484

PREPARED UNDER THE DIRECT SUPERVISION OF
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FOR AND ON BEHALF OF
STERLING DESIGN ASSOCIATES, LLC

FOR REVIEW ONLY - 100% DESIGN

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Symb	Revisions/Addenda	Date	Appr.

Designer:	J. Newell	Submitter:	M. Baker	Reviewer:	W. Sterling
Drawing Date:	FEB. 20, 2009	Scale:		Drafter:	S. Krenke
AFA Project Mgr:		A-E Project Mgr:	M. Baker	File Name:	

F.E. WARREN AIR FORCE BASE WYOMING
BRAC GATE 5,
CONSTRUCT OVERWATCH ESF/GOV/POV
CHECK, CANOPY, GATEHOUSE

Sheet Reference Number:
C-400
Sheet - of -

