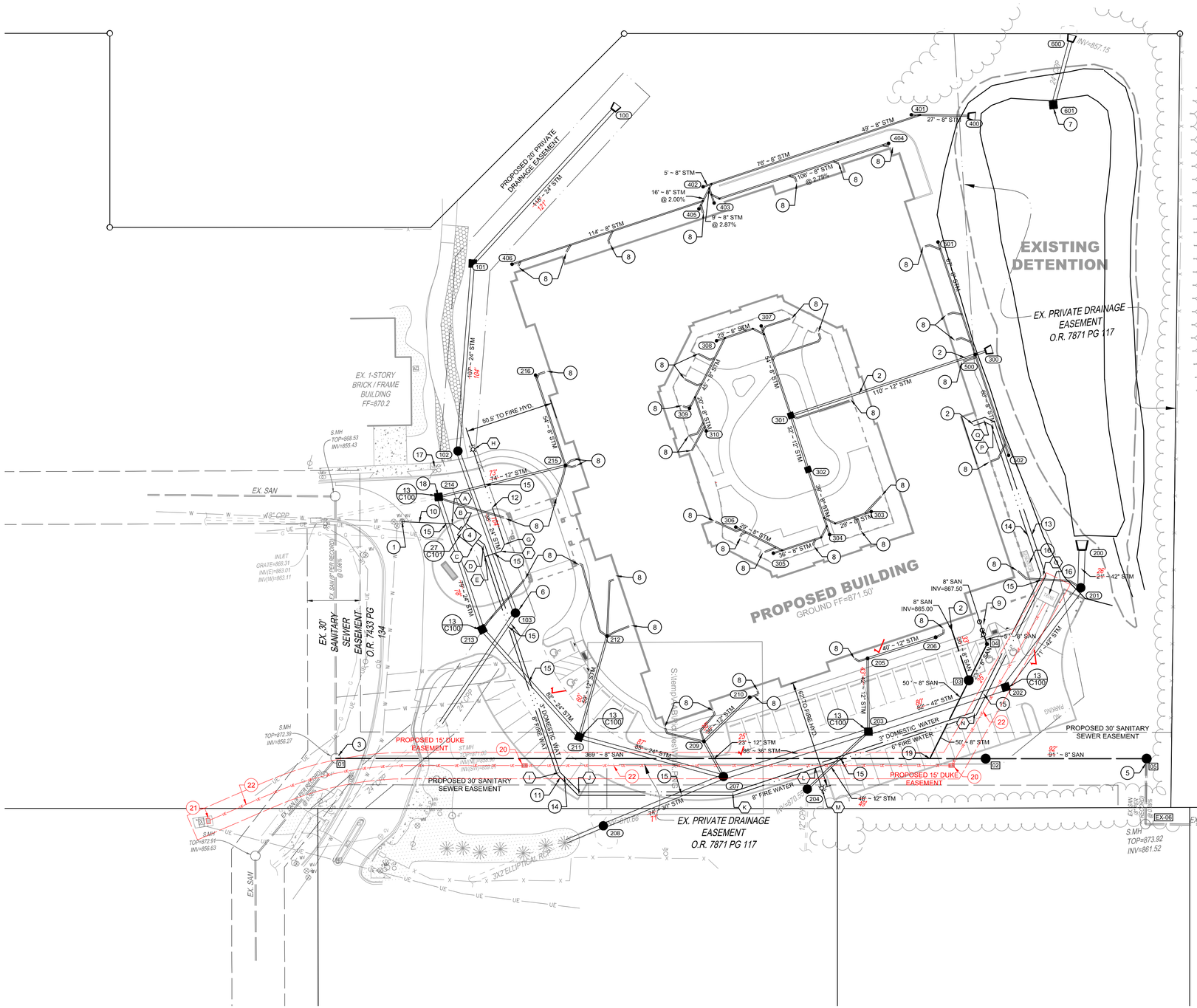
INSPIRED PEOPLE ▲ CREATIVE DESIGN ▲ TRANSFORMING COMMUNITIES



WATER APPURTENANCE NOTES:

A.	8" 45.0° BEND
B.	WATER METER PIT NORTH CORNER
C.	WATER METER PIT NORTH CORNER
D.	3" 33.75° BEND
	8" 33.75° BEND
E.	8" x 8" x 6" TEE
F.	6" 45.00° BEND
G.	6" 45.00° BEND
H.	FIRE HYDRANT & W.V. ASSEMBLY
I.	3" 22.50° TOTAL BEND
	8" 22.50° TOTAL BEND
J.	3" 45.00° TOTAL BEND
	8" 45.00° TOTAL BEND
K.	3" 22.50° BEND
	8" 22.50° BEND
L.	8" x 6" x 6" TEE
M.	FIRE HYDRANT & W.V. ASSEMBLY
N.	3" 45.00° BEND
	6" 45.00° BEND
O.	3" 45.00° BEND
	6" 45.00° BEND
P.	3" 45.00° BEND
	6" 45.00° BEND
Q.	3" 45.00° BEND
	6" 45.00° BEND

UTILITY GENERAL NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BEFORE CONSTRUCTION.

UTILITY PLAN LEGEND:

- (123) STORM SEWER STRUCTURE
- [06] SANITARY SEWER STRUCTURE
- ⟨A.⟩ WATER APPURTANCE NOTE
- (6) UTILITY KEY NOTE
- [EB] ELECTRIC BOX

UTILITY KEY NOTES:

1. CONNECT TO PROPOSED WATER WITH NEW TAP, VALVE, AND BRANCH PER BUTLER COUNTY STANDARDS.
2. PROPOSED STORM PIPE TO BE DUCTILE IRON BENEATH BUILDING AND AT LEAST 10' OUTSIDE OF THE BUILDING IN EACH DIRECTION.
3. CONNECT TO EXISTING SANITARY MANHOLE. CORE DRILL PER BUTLER COUNTY STANDARDS.
4. WATER METER PIT PER BUTLER COUNTY STANDARDS.
5. CONNECT TO EXISTING SANITARY WITH NEW MANHOLE PER BUTLER COUNTY STANDARDS.
6. CONNECT TO EXISTING STORM WITH NEW STORM MANHOLE.
7. INSTALL NEW CB OUTLET STRUCTURE TO EX 24" STORM.
8. CONNECT ROOF STORM TO 8" DOWNSPOUT LEADER AS SHOWN. 8" STM INV = 867.50', REFER TO ARCHITECTURAL & MECHANICAL PLANS FOR DOWNSPOUT AND ROOF DRAIN DETAILS.
9. SEE MECHANICAL PLANS FOR GREASE INTERCEPTOR DETAILS.
10. 51 LF OF 8" DUCTILE IRON PIPE WATER LINE TO WATER METER.
11. 294 LF OF 8" DUCTILE IRON PIPE FIRE SERVICE.
12. 70 LF OF 6" DUCTILE IRON PIPE FIRE SERVICE.
13. 291 LF OF 6" DUCTILE IRON PIPE FIRE SERVICE.
14. 575 LF OF 3" DUCTILE IRON PIPE DOMESTIC SERVICE.
15. CONTRACTOR TO DIP PROPOSED WATERLINE UNDERNEATH STORM SEWER AND MAINTAIN 18" OF CLEARANCE FROM BOTTOM OF STORM PIPE TO TOP OF WATER PIPE.
16. REFER TO ELECTRICAL PLANS FOR GENERATOR AND TRANSFORMER DETAILS.
17. ADJUST IRRIGATION CONTROL VALVE LIDS TO PROPOSED GRADE. SEE GRADING PLAN SHEET C150 FOR PROPOSED ELEVATION DETAIL.
18. CONNECT TO EXISTING STORM SEWER WITH NEW CATCH BASIN.
19. CONNECT TO PROPOSED SANITARY MAIN WITH WYE PER BUTLER COUNTY STANDARDS.
20. ELECTRIC DISTRIBUTION/JUNCTION BOX LOCATION.
21. NEW SECTIONALIZING MODULE INSTALLED BY DUKE IN EXISTING VAULT.
22. TWO (2) - 542 LF LENGTHS OF 5" PVC CONDUIT FOR NEW ELECTRICAL PRIMARY.

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STEVEN R. KORTE
E-61033
REGISTERED
PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION
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2	8/14/2015	FINAL P.U.D.
3	4/03/2017	AS BUILTS - NSB

FINAL P.U.D.

CLARITY POINTE MEMORY CARE

SECTION 7, TOWN 3, RANGE 3
LIBERTY TOWNSHIP
BUTLER COUNTY, OHIO
FOR: HERITAGE DEVELOPMENT PARTNERS, LLC

PROJECT NO: **150275.000**
DATE: **8/14/15**
SCALE: **1" = 30'**
0 15 30 60

SHEET NAME:

UTILITY PLAN

SHEET NO.

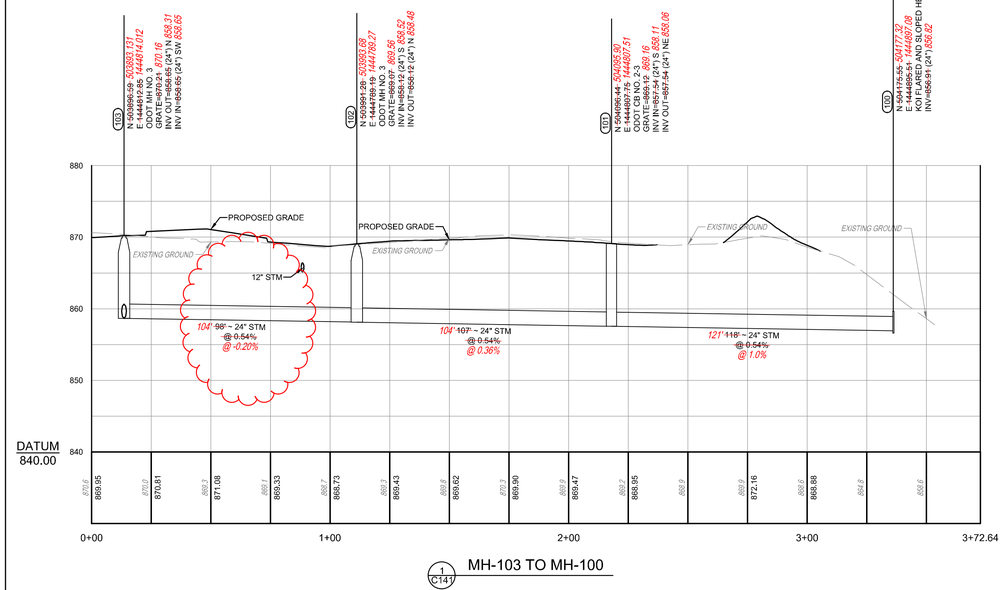
C140

Know what's below. Call before you dig.

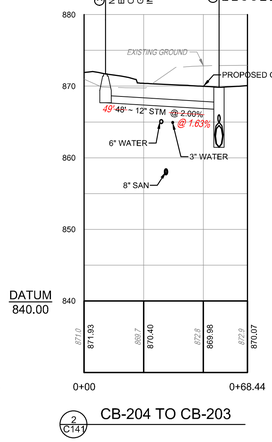
OHIO Utilities Protection SERVICE
811 or 1-800-362-2764 Call Before You Dig

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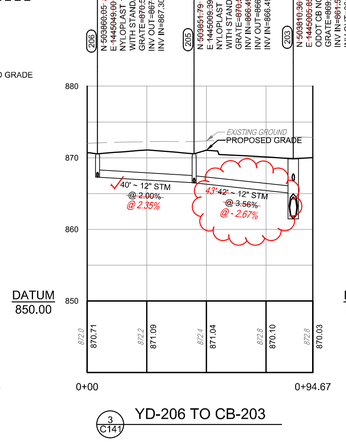
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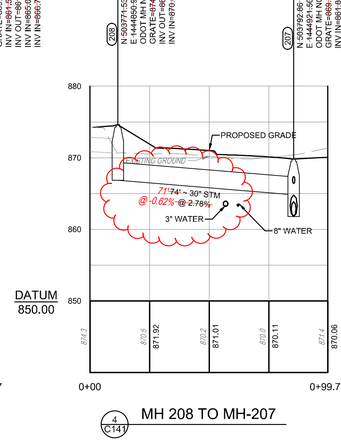
1 C141 MH-103 TO MH-100



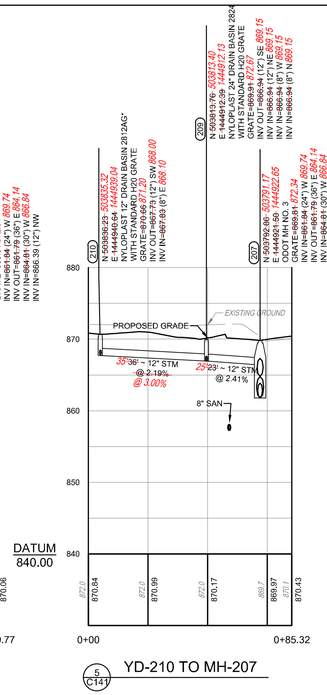
2 C141 CB-204 TO CB-203



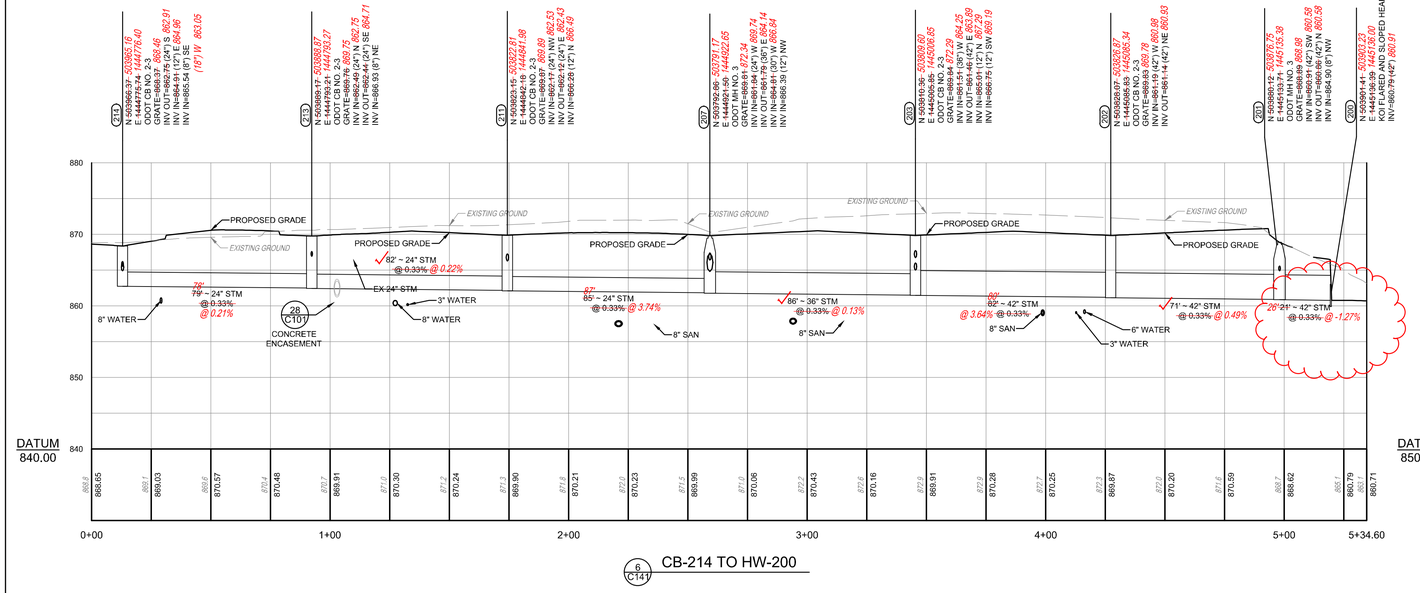
3 C141 YD-206 TO CB-203



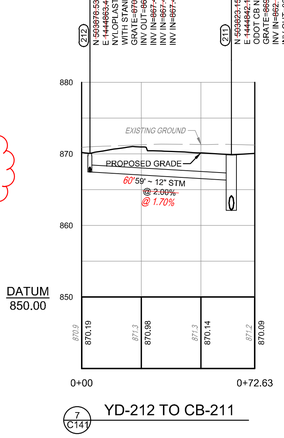
4 C141 MH 208 TO MH-207



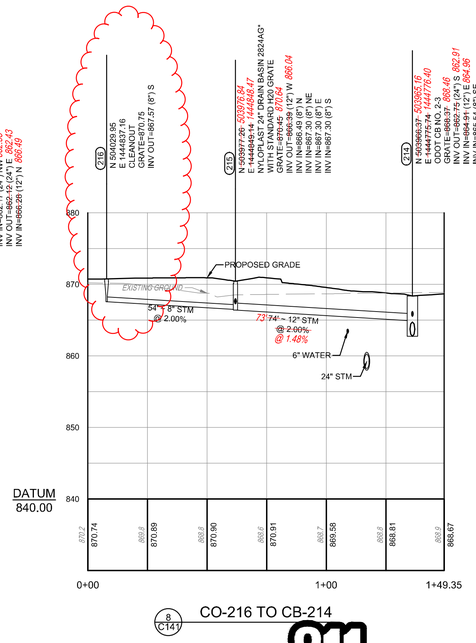
5 C141 YD-210 TO MH-207



6 C141 CB-214 TO HW-200



7 C141 YD-212 TO CB-211



8 C141 CO-216 TO CB-214

*OR APPROVED EQUAL

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BUTLER COUNTY, OHIO
FOR: HERITAGE DEVELOPMENT PARTNERS, LLC

PROJECT NO: 150275.000

DATE: 8/14/15

SCALE: H: 1" = 30' V: 1" = 10'
V 0 5 10 20
H 0 15 30 60

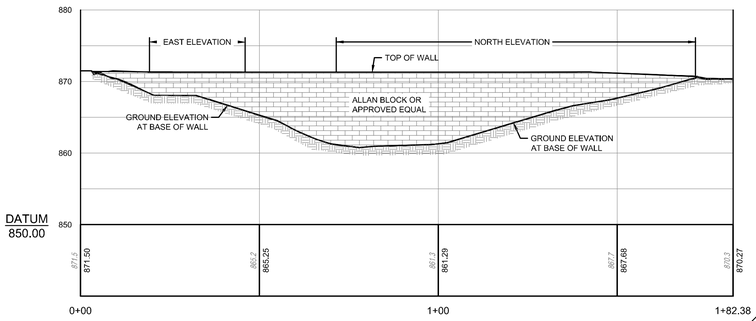
SHEET NAME:

STORM SEWER PROFILES

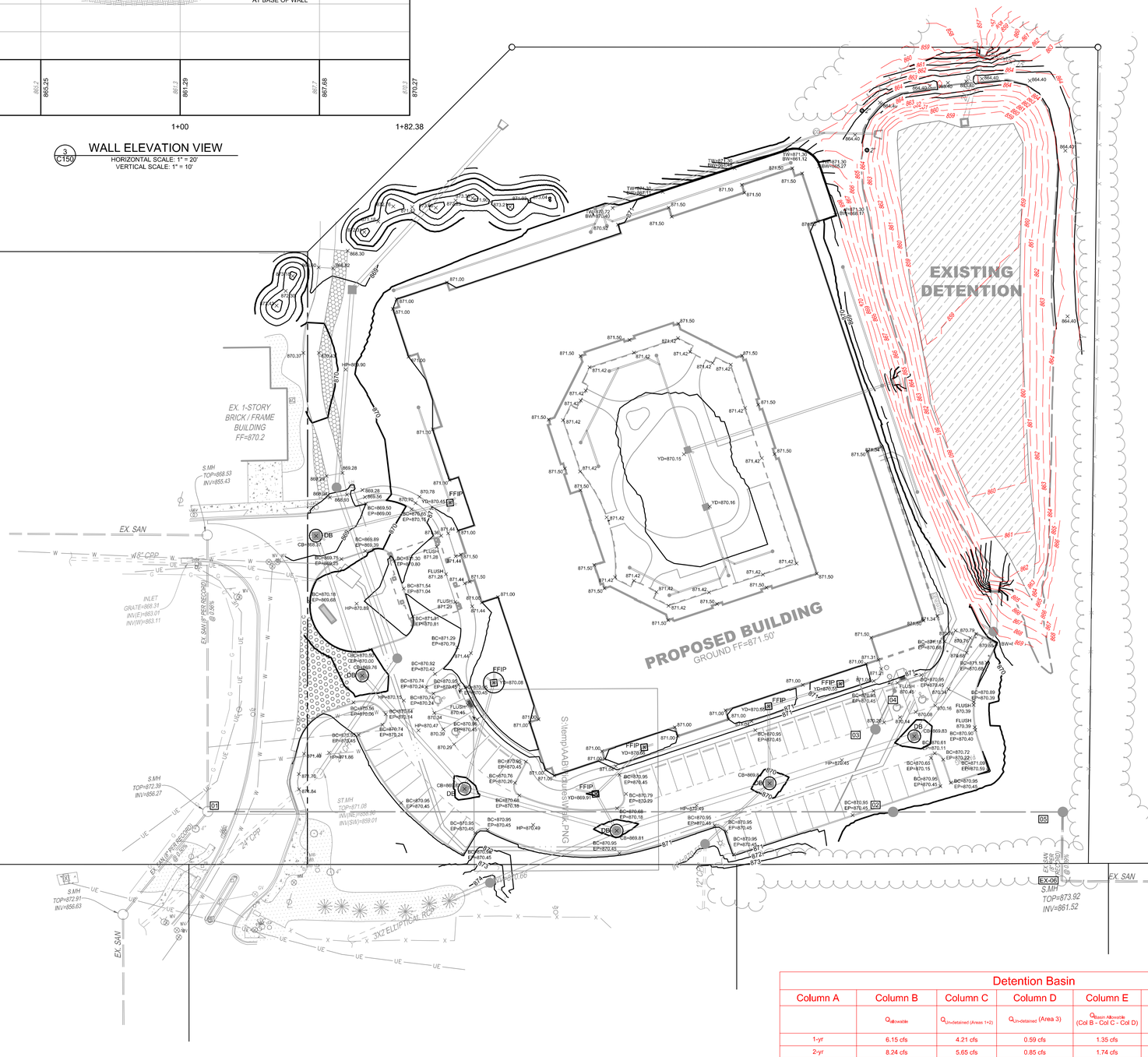
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C141

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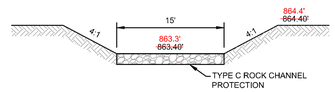


3 C150 **WALL ELEVATION VIEW**
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

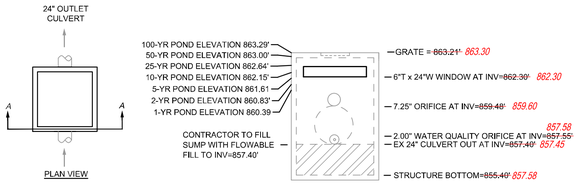


GRADING PLAN LEGEND:

1 C160	DB	DANDY BAG SEE DETAIL
2 C160	FFIP	FILTER FABRIC INLET PROTECTION
3 C160	SF	SILT FENCE
4 C160		ODOT ROCK CHANNEL PROTECTION
5 C160		TREE PROTECTION
6 C167		CONTRUCTION ENTRANCE
	685.15	PROPOSED ELEVATION
	685.15	EXISTING ELEVATION
	FLOOD ROUTE	FLOOD ROUTE ARROW (IN PIPE)
	FLOOD ROUTE	FLOOD ROUTE ARROW (OVERLAND)
	BC	BACK OF CURB
	BW / TW	BOTTOM & TOP OF WALL
	EP	EDGE OF PAVEMENT
		DRAINAGE DIRECTION
		DO NOT DISTURB BOTTOM OF DETENTION BASIN
		ODOT TYPE-C 670 TEMPORARY EROSION CONTROL MATTING



1 C150 **SPILLWAY DETAIL**
N.T.S.



* MODIFIED ODOT TYPE CB 2-3

2 C150 **DETENTION CONTROL STRUCTURE (CB-601)**
N.T.S.

Detention Basin

Design Storm	Proposed Water Surface Elevation (ft)	As-Built Water Surface Elevation (ft)
1-yr	860.39	860.43
2-yr	860.83	860.86
5-yr	861.61	861.65
10-yr	862.15	862.20
25-yr	862.64	862.68
50-yr	863.00	863.05
100-yr	863.29	863.36

Detention Basin

Column A	Column B	Column C	Column D	Column E	Column F	Column G
	$Q_{allowable}$	$Q_{Un-detained}$ (Areas 1+2)	$Q_{Un-detained}$ (Area 3)	$Q_{Basin\ Allowable}$ (Col B - Col C - Col D)	Total Designed $Q_{Basin\ Outflow}$	As-Built $Q_{Basin\ Outflow}$
1-yr	6.15 cfs	4.21 cfs	0.59 cfs	1.35 cfs	1.25 cfs	1.17 cfs
2-yr	8.24 cfs	5.65 cfs	0.85 cfs	1.74 cfs	1.60 cfs	1.54 cfs
5-yr	12.53 cfs	8.32 cfs	1.36 cfs	2.85 cfs	2.07 cfs	2.03 cfs
10-yr	15.92 cfs	10.31 cfs	1.75 cfs	3.86 cfs	2.34 cfs	2.31 cfs
25-yr	21.36 cfs	12.76 cfs	2.24 cfs	6.36 cfs	4.18 cfs	4.33 cfs
50-yr	23.66 cfs	14.83 cfs	2.66 cfs	6.17 cfs	5.93 cfs	6.07 cfs
100-yr	36.85 cfs	16.50 cfs	3.00 cfs	17.35 cfs	7.58 cfs	7.50 cfs

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SHEET NAME:
GRADING AND EROSION CONTROL PLAN

SHEET NO.
C150