ENG-CDR23021-R2-CDs-S2.pdf Markup Summary

1 (2)		
1-64 ROMONDOL & ENTRIPIO 1-65 ROMONDOL & ENTRIPIO 1-66 REFINICIÓN DE LA TERMINA 1-67 ROMONDOL & ENTRIPIO 1-68 REMINITATION DE LA TERMINITATION	Subject: Text Box Page Index: 1 Date: 4/10/2024 12:23:31 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [1] 33 Cover	add detailed roundabout plan sheets
See comment letter also	Subject: Text Box Page Index: 1 Date: 4/10/2024 12:24:01 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [1] 33 Cover	See comment letter also.
2 (3)		
rc Engineering. ON	Subject: Text Box Page Index: 2 Date: 4/9/2024 3:13:13 PM Author: CDurham Color: Layer: Space: Page Label: [2] 34 Details	Engineering.
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HALL NOT DEVIATE FR(TEN ADDOL(A) FROM HALL NUMBER ANY ERRORS OR INCO IN PIPE SHALL BE CLAS ROVED BY CONTRACT TESTING DED FOM ST	Subject: Callout Page Index: 2 Date: 4/9/2024 3:14:46 PM Author: CDurham Color: Layer: Space: Page Label: [2] 34 Details	Start new note
3 (1)		
LITTER ISLAND CURB/GUTTER (CA' SCALE: N.T.S.	Subject: Text Box	Include bike ramp detail back in

Page Index: 3 Date: 4/9/2024 3:16:45 PM Author: CDurham Color: Layer: Space: Page Label: [3] 35 Legend

de bike ramp detail back in

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4 (1)		
)SS-SECTION B ARTERIAL) : 40 MPH IPH	Subject: Callout Page Index: 4 Date: 4/10/2024 12:25:24 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [4] 36 TYPICAL ROAD SECTION	50
7 (1)		
Databage map in FDR has owned being flow links Peaks continuate between documents to show same information.	Subject: Callout Page Index: 7 Date: 4/9/2024 3:21:05 PM Author: CDurham Color: Layer: Space: Page Label: [7] 39 DEMOLITION PLAN	Drainage map in FDR has culverts being flow filled. Please coordinate between documents to show same information.
8 (1)		
1800.00 37"35'12" Ensure all linetypes match what is shown in plan view. PROPOSED	Subject: Text Box Page Index: 8 Date: 4/9/2024 3:27:04 PM Author: CDurham Color: Layer: Space: Page Label: [8] 40 PLAN & PROFILE	Ensure all linetypes match what is shown in plan view.
10 (3)		
	Subject: Callout Page Index: 10 Date: 4/10/2024 12:27:31 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [10] 42 PLAN & PROFILE	adjust plot window
VI ELEV = 7013.9 A.D. = 0.88% K = 68.59	Subject: Page Index: 10 Date: 4/10/2024 1:45:43 PM Author: Jeff Rice - EPC Engineering Color: Layer: Space: Page Label: [10] 42 PLAN & PROFILE	K = 68.59
	Subject: Callout Page Index: 10 Date: 4/10/2024 1:45:55 PM Author: Jeff Rice - EPC Engineering Color: Layer: Space: Page Label: [10] 42 PLAN & PROFILE	Increase to meet criteria (96)

13 (10)

ar was ones one	Subject: Callout Page Index: 13 Date: 4/9/2024 3:34:57 PM Author: CDurham Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping	Include sign W2-6 back
	Subject: Arrow Page Index: 13 Date: 4/9/2024 3:38:19 PM Author: CDurham Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping	
Harrison and Antonio and An	Subject: Callout Page Index: 13 Date: 4/9/2024 3:39:31 PM Author: CDurham Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping	Include sign W2-6 back
/ R6-4	Subject: Page Index: 13 Date: 4/10/2024 12:28:48 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping	R6-4
R6-4	Subject: Page Index: 13 Date: 4/10/2024 12:28:50 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping	R6-4
R6-4	Subject: Page Index: 13 Date: 4/10/2024 12:28:51 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space:	R6-4

Page Label: [13] 45 Dawlish Roundabout Striping

Subject: R6-4 Page Index: 13 Date: 4/10/2024 12:28:53 PM R6-4 Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping Subject: Arrow Page Index: 13 Date: 4/10/2024 12:30:06 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping Subject: Callout If yield sign is separate from pedestrian sign, add Page Index: 13 note that signage shall not be obstructed, to be Date: 4/10/2024 12:31:15 PM verified in field Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping Subject: Text Box Additional comments may be provided pending Page Index: 13 roundabout design report review Date: 4/10/2024 12:32:10 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [13] 45 Dawlish Roundabout Striping 14(1)



Subject: Highlight Page Index: 14 Date: 4/9/2024 3:41:52 PM Author: CDurham Color: Layer: Space: Page Label: [14] 46 Dawlish Roundabout Grading

2.1%

16 (7)



Subject: Callout Page Index: 16 Date: 4/9/2024 3:43:37 PM Author: CDurham Color: Layer: Space: Page Label: [16] 48 Rex Roundabout Striping

Include sign W2-6 back

ITERNED R <mark>CITY D</mark> TI	Subject: Highlight Page Index: 16 Date: 4/9/2024 3:47:52 PM Author: CDurham Color: Layer: Space: Page Label: [16] 48 Rex Roundabout Striping	OUN
A Constrained of the Constrained	Subject: Callout Page Index: 16 Date: 4/9/2024 3:50:01 PM Author: CDurham Color: Layer: Space: Page Label: [16] 48 Rex Roundabout Striping	Include sign W2-6 back
ATTERNED ER <mark>CITY</mark> DT	Subject: Highlight Page Index: 16 Date: 4/9/2024 3:50:09 PM Author: CDurham Color: Layer: Space: Page Label: [16] 48 Rex Roundabout Striping	CITY
Additional community may be provided participly concluded a design report revenues	Subject: Text Box Page Index: 16 Date: 4/10/2024 12:32:56 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [16] 48 Rex Roundabout Striping	Additional comments may be provided pending roundabout design report review
	Subject: Callout Page Index: 16 Date: 4/10/2024 12:34:13 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [16] 48 Rex Roundabout Striping	If yield sign is separate from pedestrian sign, add note that signage shall not be obstructed, to be verified in field
/ .LL <mark>W11-2</mark>	Subject: Page Index: 16 Date: 4/10/2024 12:34:55 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space:	W11-2

Page Label: [16] 48 Rex Roundabout Striping

18 (7)





Subject: Highlight Page Index: 18 Date: 4/9/2024 3:55:56 PM Author: CDurham Color: Layer: Space: Page Label: [18] 50 Rex Roundabout Grading

21 (3)



Subject: Callout Page Index: 21 Date: 4/9/2024 4:16:43 PM Author: CDurham Color: Layer: Space: Page Label: [21] 53 POND PLAN - TSB

Unresolved: Show proposed ROW

Show channel grading

DECIMIE TO EXCITING

Subject: Cloud+ Page Index: 21 Date: 4/9/2024 4:17:10 PM Author: CDurham Color: Layer: Space: Page Label: [21] 53 POND PLAN - TSB

Page Label: [21] 53 POND PLAN - TSB

Subject: Cloud+

Author: CDurham

Date: 4/9/2024 4:19:04 PM

Page Index: 21

Color:
Color:

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Show channel grading

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22 (6) Subject: Callout Unresolved: Page Index: 22 Show spillway flowpath and easement Date: 4/9/2024 4:20:04 PM Author: CDurham Color: Layer: Space: Page Label: [22] 54 POND PLANS - SAND FILTER C Subject: Callout Easement needs to encompass riprap Page Index: 22 Date: 4/9/2024 4:21:06 PM Author: CDurham Color: Layer: Space:

Page Label: [22] 54 POND PLANS - SAND FILTER C

Constant of the second se	Subject: Cloud+ Page Index: 22 Date: 4/9/2024 4:21:39 PM Author: CDurham Color: Layer: Space: Page Label: [22] 54 POND PLANS - SAND FILTER C	Show channel grading
	Subject: Page Index: 22 Date: 4/10/2024 12:37:32 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [22] 54 POND PLANS - SAND FILTER C	
See FOR conners	Subject: Callout Page Index: 22 Date: 4/10/2024 12:37:44 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [22] 54 POND PLANS - SAND FILTER C	See FDR comments
	Subject: Callout Page Index: 22 Date: 4/10/2024 12:50:05 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [22] 54 POND PLANS - SAND FILTER C	Verify whether District or Public
24 (12)		
For all outer location: inputs apon (length, dept), by (b), to wall if exectly, profile of the second outer of the second outer indication develop downstream of puts	Subject: Text Box Page Index: 24 Date: 4/9/2024 4:43:13 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	For all outlet locations: Label end section or headwalls, riprap apron (length, depth, type, D50), toe wall if needed, profile of existing ground shown for 200 feet downstream of outfall, Q100 water surface elevation downstream of outfall
97.50 LF 24 RCP AT 10.65 Provide Station for connection CONNECT TO EX STORM NWY 6868.29	Subject: Text Box Page Index: 24 Date: 4/9/2024 4:28:40 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	Provide Station for connection

Las hor Las horp At 1.39% € Add note "Add water flying joint when 510 year HGL shows pipe fully inundated." 	Subject: Text Box Page Index: 24 Date: 4/9/2024 4:30:37 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	Add note "Add water tight joint when 100 year HGL shows pipe fully inundated."
SASS IF SASS IF SASS IF SASS AT J. 50%	Subject: Callout Page Index: 24 Date: 4/9/2024 4:31:17 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	Show 5-yr HGL for this pipe
	Subject: Line Page Index: 24 Date: 4/9/2024 4:32:19 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	
Binow how subwart lies to 38 LF Binow how subwart lies to 14 JWW 14 JWW 1000 COLORCHEE BOX CULIVERTS 50%	Subject: Callout Page Index: 24 Date: 4/9/2024 4:32:37 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	Show how culvert ties to existing grading
ROPOSED 1000 RADE Unrencheer Show how proceed fee to existing grading	Subject: Callout Page Index: 24 Date: 4/9/2024 4:33:28 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	Unresolved: Show how proposed ties to existing grading
	Subject: Line Page Index: 24 Date: 4/9/2024 4:33:21 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	

	Subject: Callout Page Index: 24 Date: 4/9/2024 4:44:45 PM Author: CDurham Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	Provide sta/inv callouts at culvert ends
	Subject: Text Box Page Index: 24 Date: 4/10/2024 12:47:11 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	PUBLIC
	Subject: Text Box Page Index: 24 Date: 4/10/2024 12:48:09 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	PUBLIC
TORM-1	Subject: Text Box Page Index: 24 Date: 4/10/2024 12:48:19 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [24] 56 STORM PLAN & PROFILE	PUBLIC
25 (7)		
	Subject: Callout Page Index: 25 Date: 4/9/2024 4:42:37 PM Author: CDurham Color: Layer: Space: Page Label: [25] 57 STORM PLAN & PROFILE	For all outlet locations: Label end section or headwalls, riprap apron (length, depth, type, D50), toe wall if needed, profile of existing ground shown for 200 feet downstream of outfall, Q100 water surface elevation downstream of outfall
48" KCP	Subject: Text Box Page Index: 25 Date: 4/9/2024 4:35:30 PM Author: CDurham Color: Layer: Space: Page Label: [25] 57 STORM PLAN & PROFILE	Add note "Add water tight joint when 100 year HGL shows pipe fully inundated."

	Subject: Callout Page Index: 25 Date: 4/9/2024 4:36:12 PM Author: CDurham Color: Layer: Space: Page Label: [25] 57 STORM PLAN & PROFILE	Show 5-yr HGL for these pipes
Testing and the second	Subject: Callout Page Index: 25 Date: 4/9/2024 4:37:20 PM Author: CDurham Color: Layer: Space: Page Label: [25] 57 STORM PLAN & PROFILE	Per ECM Section 3.3.1.D storm sewer pipes shall be "free of pressure head except for short runs"
	Subject: Callout Page Index: 25 Date: 4/10/2024 12:46:40 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [25] 57 STORM PLAN & PROFILE	locking lid?
STORM-07 DISTRICT	Subject: Text Box Page Index: 25 Date: 4/10/2024 12:50:40 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [25] 57 STORM PLAN & PROFILE	DISTRICT
26 (6)	Subject: Page Index: 25 Date: 4/10/2024 12:51:06 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [25] 57 STORM PLAN & PROFILE	7



Subject: Text Box Page Index: 26 Date: 4/9/2024 4:38:54 PM Author: CDurham Color: Layer: Space: Page Label: [26] 58 STORM PLAN & PROFILE

Add note "Add water tight joint when 100 year HGL shows pipe fully inundated."

LS3 LF B (RCP) 1,000	Subject: Callout Page Index: 26 Date: 4/9/2024 4:39:16 PM Author: CDurham Color: Layer: Space: Page Label: [26] 58 STORM PLAN & PROFILE	Show 5-yr HGL for these pipes
	Subject: Callout Page Index: 26 Date: 4/9/2024 4:39:52 PM Author: CDurham Color: Layer: Space: Page Label: [26] 58 STORM PLAN & PROFILE	Unresolved: Grading should match to pipe invert
	Subject: Callout Page Index: 26 Date: 4/9/2024 4:41:50 PM Author: CDurham Color: Layer: Space: Page Label: [26] 58 STORM PLAN & PROFILE	Label end section or headwalls , riprap apron (length, depth, type, D50), toe wall if needed, profile of existing ground shown for 100 feet upstream of outfall, Q100 headwater elevation at inlet
Total A La Market A La	Subject: Callout Page Index: 26 Date: 4/9/2024 4:44:06 PM Author: CDurham Color: Layer: Space: Page Label: [26] 58 STORM PLAN & PROFILE	Riprap should be at culvert invert. Provide inv/elevation callout
PUBLIC	Subject: Text Box Page Index: 26 Date: 4/10/2024 12:52:01 PM Author: Jeff Rice - EPC Engineering Review Color: Layer: Space: Page Label: [26] 58 STORM PLAN & PROFILE	PUBLIC
27 (12)		



Subject: Callout Page Index: 27 Date: 4/9/2024 4:47:42 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE

Show pond water surface elevation

400	Subject: Callout Page Index: 27 Date: 4/9/2024 4:47:33 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Show filter media for pond
	Subject: Callout Page Index: 27 Date: 4/9/2024 4:50:07 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	For all outlet locations: Label end section or headwalls, riprap apron (length, depth, type, D50), toe wall if needed, profile of existing ground shown for 200 feet downstream of outfall, Q100 water surface elevation downstream of outfall
	Subject: Callout Page Index: 27 Date: 4/9/2024 4:48:38 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Provide sta/inv callouts at culvert ends
- TOTAL CONTRACTOR OF CONTRACT	Subject: Callout Page Index: 27 Date: 4/9/2024 4:49:08 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Label end section or headwalls , riprap apron (length, depth, type, D50), toe wall if needed, profile of existing ground shown for 100 feet upstream of outfall, Q100 headwater elevation at inlet
Add note "Add water sight joint" when 100 year HGL shows pipe fully exurdanced."	Subject: Text Box Page Index: 27 Date: 4/9/2024 4:49:27 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Add note "Add water tight joint when 100 year HGL shows pipe fully inundated."
	Subject: Callout Page Index: 27 Date: 4/9/2024 4:51:14 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Show 5-yr HGL for these pipes

The second secon	Subject: Callout Page Index: 27 Date: 4/9/2024 4:50:25 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Label end section or headwalls , riprap apron (length, depth, type, D50), toe wall if needed, profile of existing ground shown for 100 feet upstream of outfall, Q100 headwater elevation at inlet
	Subject: Callout Page Index: 27 Date: 4/9/2024 4:50:44 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Minimum size is 18"
24* RCP-J 50.16 T.F.J AT 0.88% 24* RCP With the second state split (print) RU Add note %dd water split (print) PUE pipe luby inundated.** DUE 3+00 2+00	Subject: Text Box Page Index: 27 Date: 4/9/2024 4:51:23 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Add note "Add water tight joint when 100 year HGL shows pipe fully inundated."
2 LL 3.35% So the LL 3.35% So the LL 47 South LL PROTECTIO	Subject: Callout Page Index: 27 Date: 4/9/2024 4:51:41 PM Author: CDurham Color: Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE	Show 5-yr HGL for these pipes
	Subject: Callout Page Index: 27 Date: 4/9/2024 4:52:12 PM Author: CDurham Color:	Easement needs to include all of riprap

Layer: Space: Page Label: [27] 59 STORM PLAN & PROFILE