



August 18, 2017

Darrel Nitschke  
Executive Secretary  
North Dakota Public Service Commission  
600 E. Boulevard, Department 408  
Bismarck, ND 58508-0480

Re: PU-15-733  
Tree and Shrub Plan Inquiry by S. Cardwell-Response

Mr. Nitschke,

E3 Environmental, LLC (E3) on behalf of Oasis Midstream Services (Oasis) submitted to the North Dakota Public Service Commission (Commission) the Tree and Shrub Mitigation Plan (Plan), Docket Item No. 72, for the Wild Basin to Johnsons Corner Crude Oil Pipeline Project (Project), Case No. PU-15-733. Upon review, Public Utility Analyst Sara Cardwell, provided E3 with a list of areas along the Project requesting clarification as to if tree/shrubs were removed during construction. E3 has prepared this letter in response to Ms. Cardwell's email dated August 4, 2017, attached.

Also attached, please find the Tree and Shrub Clarification Table, which was prepared in response to Ms. Cardwell's inquiry. Should you have any further questions please contact me at 651-282-0652, or via email at [kschmidt@go2e3.com](mailto:kschmidt@go2e3.com).

Regards,

Katie Schmidt  
Senior Consultant  
E3 Environmental, LLC

Attached:

Email Inquiry by Sara Cardwell  
Tree and Shrub Clarification Table

Cc: Crowley and Fleck  
Oasis Midstream Services

**75** **PU-15-733** Filed: 8/18/2017 Pages: 4  
**Supplemental filing to Tree & Shrub Mitigation Plan**

E3 Environmental, LLC  
Katie Schmidt

## Katie Schmidt

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**From:** Cardwell, Sara J. <scardwell@nd.gov>  
**Sent:** Friday, August 4, 2017 12:47 PM  
**To:** Katie Schmidt  
**Subject:** Oasis Midstream Johnsons Corner Pipeline Project (PU-15-733) - Tree & Shrub Replacement Plan

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I was looking at the maps which show what appears to be trees & or shrubs and was curious as to why these areas don't have any trees & shrubs listed as needing replacement. Please look at the following maps & let me know what I'm seeing or not seeing.

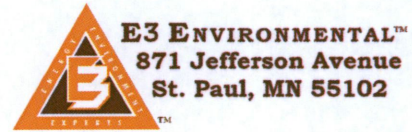
Page 7 – between mile post 2.9 & 3  
Page 10 - between mile post 4.3 and 4.4  
Page 15 – right around mile post 6.8  
Page 16 – between mile point 7.1 & 7.2 – not sure about this one – could just be greener areas  
Page 17 – at mile post 7.9 – again, this could just be a green area.  
Page 20 – between mile post 9 and 9.1  
Page 22 – between 10.1 and 10.2 – this could be one of those green areas.  
Page 23 – at Milepost 10.3 – again this might be a green area.  
Page 24 at milepost 10.4 and between milepost 11.1 and 11.2  
Page 27 – milepost 12.4  
Page 33 – between milepost 15.1 and 15.2  
Page 34 – between milepost 15.8 and 15.9  
Page 36 – north and south of State Hwy 73 – on the north side it looks like trees but on the south side maybe just green coloration  
Page 37 – towards the top of the page – this might just be green  
Page 39 – around 17.3 and 17.4 – there's an area called WVS-325 but I'm wondering if it didn't go far enough to the east  
Page 40 – between 17.6 and 17.7  
Page 41 at 18.2

Thanks,

**Sara Cardwell**  
Public Utility Analyst  
North Dakota Public Service Commission  
600 E. Boulevard Ave. Dept. 408  
Bismarck, ND 58505-0480  
**(701)328-4153**  
scardwell@nd.gov

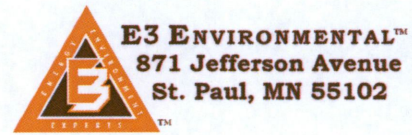
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**Tree and Shrub Clarification Table**

Question	Comment
Page 7 – between mile post 2.9 & 3	HDD from approx. MP 2.9-3.5, utilized existing access road for ingress/egress.
Page 10 - between mile post 4.3 and 4.4	HDD from approx. MP 4.2 to 4.4 to go under road and wooded feature. Note WVS-067 removed to clear workspace for the HDD of the road.
Page 15 – right around mile post 6.8	HDD from approx. MP 6.7-6.9; utilized the existing road for ingress/egress to avoid impacts to the wooded draw/waterbody feature.
Page 16 – between mile point 7.1 & 7.2 – not sure about this one – could just be greener areas	HDD from approx. MP 7.1- 7.3. Utilized existing roads for ingress/egress. WVS-147 removed to allow for ingress/egress from road to ROW.
Page 17 – at milepost 7.9 – again, this could just be a green area.	HDD from approx. MP 7.89-7.92 to avoid trees/shrubs. Utilized existing roads for travel around feature.
Page 20 – between mile post 9 and 9.1	HDD from approx. MP 8.0 to 9.1; included North Fork Rd and tree/shrubs. Utilized existing access route to the N to access ROW at MP 9.1.
Page 22 – between 10.1 and 10.2 – this could be one of those green areas.	HDD from approx. MP 10.1 to 10.4 to avoid topographic feature, waterway and well pad; portions of WVS-206 were removed as such it is included in the inventory. Existing access roads were utilized to the north to access the ROW at 10.4.
Page 23 – at Milepost 10.3 – again this might be a green area.	HDD from approx. MP 10.1 to 10.4 to avoid topographic feature. waterway and well pad; portions of WVS-206 were removed as such it is included in the inventory. Existing access roads were utilized to the north to access the ROW at 10.4.
Page 24 at milepost 10.4 and between milepost 11.1 and 11.2	HDD from approx. MP 11.1-11.25 to avoid waterway and trees/shrubs. Utilized existing access roads to south to access ROW at MP 11.25.
Page 27 – milepost 12.4	HDD from approx. MP 12.35-12.45 to avoid tree row. Utilized existing access to north for ingress/egress.



Question	Comment
Page 33 – between milepost 15.1 and 15.2	HDD from approx. MP15.1-15.2 to avoid trees/shrubs. Utilized existing access to south for access.
Page 34 – between milepost 15.8 and 15.9	HDD from approx. MP 15.77-15.9 to avoid waterway and tree/shrubs.
Page 36 – north and south of State Hwy 73 – on the north side it looks like trees but on the south side maybe just green coloration	These trees were avoided with the HDD of State Hwy 73.
Page 37 – towards the top of the page – this might just be green	Avoided via HDD.
Page 39 – around 17.3 and 17.4 – there’s an area called WVS-325 but I’m wondering if it didn’t go far enough to the east	Portions of WVS-325 were removed, an HDD was utilized from approx. MP 17.25-17.45 to avoid trees/shrubs and existing pipelines.
Page 40 – between 17.6 and 17.7	HDD from approx. MP 17.6-17.7, portions of WVS-331 removed to allow for HDD workspace.
Page 41 at 18.2	HDD utilized to avoid waterway and associated trees/shrubs.