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NEPA STRATEGY

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DOE Independent Project Review of PIP-II

16 June 2015

OVERVIEW

- Current Status of PIP-II NEPA Efforts at Fermilab
- NEPA Compliance Process
- Identification of Needed Personnel Resources
- Preliminary Schedule
- Near-Term Planning and Conclusions

CURRENT STATUS

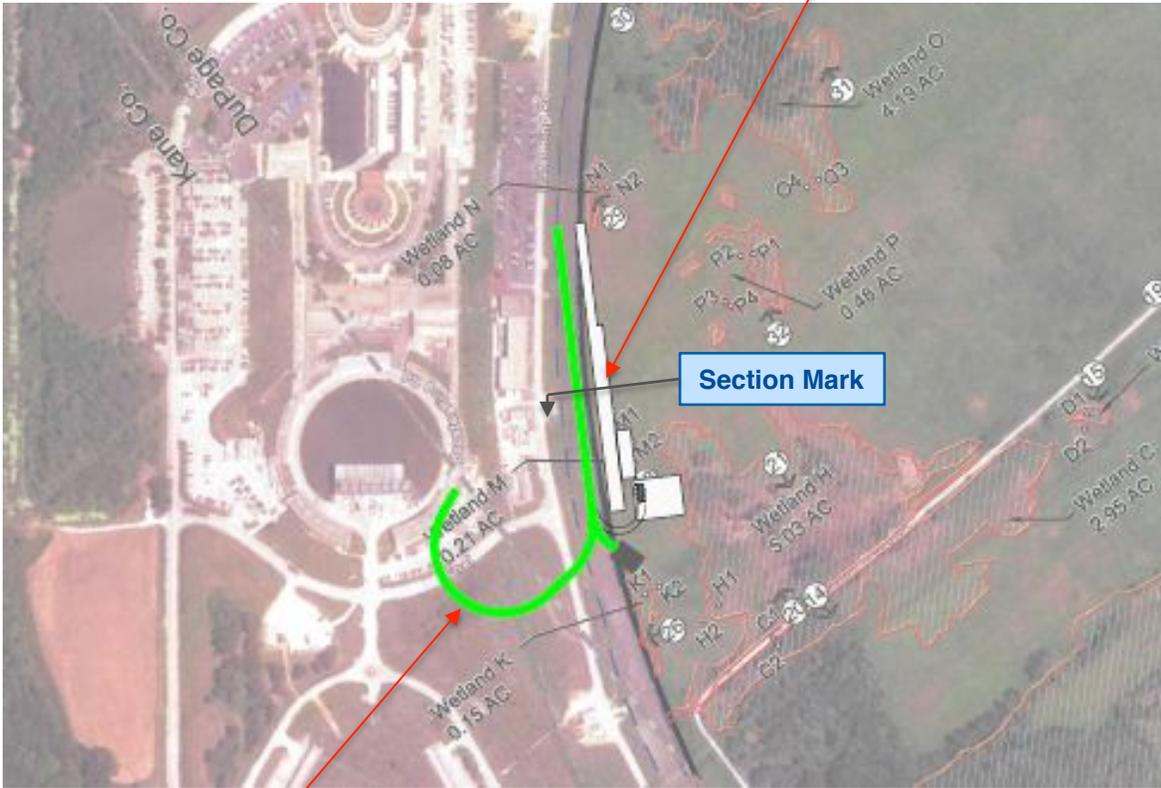
- In-House Personnel have been Identified
 - V Kuchler
 - S Dixon, R Walton, J Hunt (Facilities Engineering Services Section)
 - T Dykhuis (ESH&Q Section)
 - R Hersemann (DOE Fermilab Site Office)
- There is Opportunity to Benefit from the On-Going NEPA Effort for Fermilab LBNF Project
- An Existing Wetland Delineation Report is Available for Preliminary Planning but it will have to be Updated
- A Schedule has been Developed Anticipating a Completion of the NEPA Process in Advance of CD-2

CURRENT STATUS cont.

- As We Move Forward, We will Assess and Incorporate All Associated Upgrades into the Overall NEPA Process
- Initial Work with Overall Project Location and Alignment is Underway to Minimize the Environmental Impact of the Project
- Environmental Evaluation Notification Form (EENF) will be Developed and Submitted to the DOE Fermilab Site Office
 - Based on the Existing PIP-II Parameter Set, we Expect an Environmental Assessment (EA) will be Required for Compliance with the Requirements of the NEPA Implementation Process and Result in a Finding of No Significant Impact (FONSI)

Current Status cont.

PIP-II Site Plan
Overlay on Aerial
View from
Existing Wetland
Delineation
Report

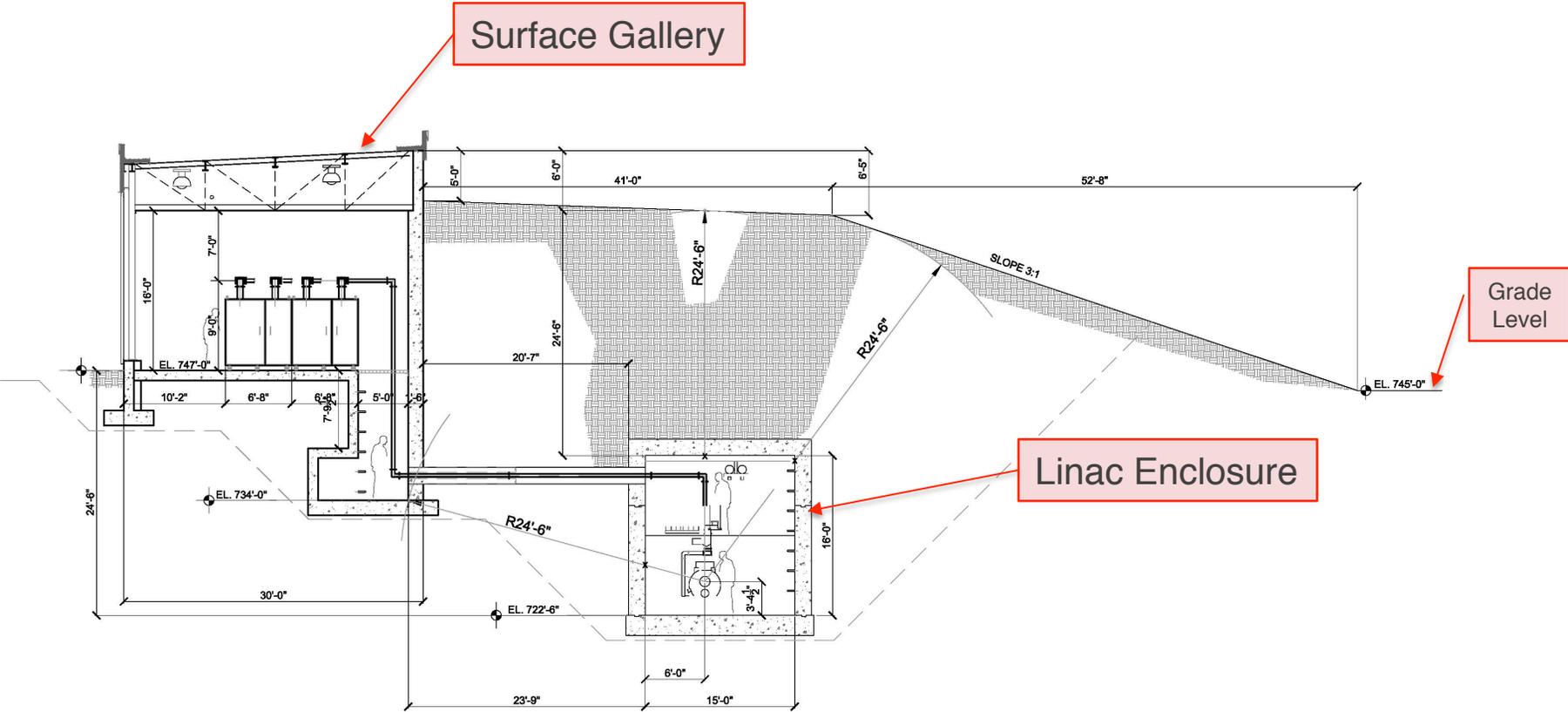


Surface Gallery

Section Mark

Underground Enclosure

Current Status cont.



Cross Section Looking Downstream Through Surface Gallery and Linac Enclosure

NEPA COMPLIANCE PROCESS

- Using Existing PIP-II White Paper and Mission Need Statement, Develop Environmental Evaluation Notification Form (EENF) and Submit to DOE Area Office
- Continue Site Specific Design to Minimize Environmental Impact and Required Wetland Mitigation
 - Current Estimates are ½ Acre of Impacted Wetlands Requiring 3 Acres of Mitigation
- Update Existing Wetland Delineation Report
- Develop Application for Permit from the US Corps of Engineers incl:
 - Complete Wetland Mitigation Plan
 - US Natural Resource Conservation Service (NRCS) Compliance
 - State of Illinois Department of Natural Resources (IDNR) Approval
 - State of Illinois Environmental Protection Agency (IEPA) Approval
 - US Fish and Wildlife Service Review/Permit
- Develop Environmental Assessment (EA)
- Department of Energy Determination
- US Corps of Engineers Permit Issued

IDENTIFICATION OF NEEDED PERSONNEL RESOURCES

- Mission Need Statement
 - In-House Personnel
- Environmental Evaluation Notification Form (EENF)
 - In-House Personnel with DOE Area Office
- Site Design
 - In-House Personnel with Outside Consultant
- Wetland Delineation
 - In-House Personnel with Outside Consultant
- Application of Corps of Engineers Permit
 - In-House Personnel with Outside Consultant
- Wetland Mitigation Plan
 - In-House Personnel with Outside Consultant
- Development of Environmental Assessment (EA)
 - In-House Personnel with Outside Consultant

NEAR TERM PLANNING AND CONCLUSIONS

- The Team for the Implementation of the NEPA Compliance Process is in Place
- Preliminary Site Design, Work on the EENF and Wetland Delineation will Continue
- Several Competent Outside Consultants have been Identified that are Familiar with the Fermilab Site
- Experience with the LBNF NEPA Effort will Provide added Guidance
- Project Funding Profile will Guide the Overall Effort for the NEPA Compliance Process
- A Plan is in Place and We are Ready to Proceed