

**2022**  
**ASHE ALTOONA / PENNDOT 9-0**  
**ANNUAL JOINT WORKSHOP**

**DESIGN SERVICES UPDATES**

JOHN CIPRICH ●● APRIL 18, 2022

# DESIGN SERVICES – DISTRICT 9

- Survey Unit
  - Field Crews
  - Office Staff
- Utility Relocation Unit
- Right-of-Way Unit
  - Appraisal Section
  - Acquisition (Negotiation) Section
  - Property Management / OAD Section
- Environmental Unit
  - NEPA Section
  - Permit Section



## DESIGN SERVICES – COMMON THEMES AMONG UNITS

- Tasks on Design Schedule Critical Path
  - Permit Approvals
  - Utility Clearances
  - Right-of-Way Clearances
  
- Substantial outside coordination
  - Environmental Unit – Review Agencies
  - Utility Unit – Utility Companies
  - Right-of-Way Unit – Property Owners
  
- Need Timely and Complete Submissions
  
- We strive to be responsive and cooperative
  - Policies/Regulations/Laws can present challenges



## DESIGN SERVICES – CHANGES SINCE LAST PRESENTATION

- Grade Crossing Unit
  - Moved to Planning & Programming
  - New Manager
- Survey Unit
  - New file room coordinator
  - One less field crew
- Utility Unit
  - New staff in all three positions including Administrator



## DESIGN SERVICES – CHANGES SINCE LAST PRESENTATION

- Environmental Unit
  - Expanded to two sections: NEPA & Permits with two new supervisors
  - NEPA – Two new Environmental Planners (out of three)
  - Permit Section = Four new positions
  - Cultural Resource Professionals
- Right-of-Way Unit
  - New Right-of-Way Administrator
  - Entire Acquisition Section – six new staff including supervisor
  - No longer have Right-of-Way plan review position



## DESIGN SERVICES – HOW CHANGES IMPACT YOU

- Permit Section
  - District reviews all H&H Reports and Permits
  - Permit Tracking Reports
  - Admin Incomplete Database
  - Stormwater Management Committee
- Right-of-Way Plan Reviewer
  - Replaced with Design / Right-of-Way field review
  - May see more ‘drafting’ comments
- Inexperience can lead to questions... Ask them



## DESIGN SERVICES – UTILITY RELOCATION UNIT

- URMS (Utility Relocation Management System)
  - One stop shop for Utility Clearances – Plans, conflicts, forms, agreements, etc.
  - 100% District utilization
  - Enhancements continue
- Utility Coordination on Consultant Projects
  - Consultant is the lead for scheduling meetings, making arrangements with utilities, preparing forms, etc.
  - District will assist as needed and provide oversight
- Electric outages during construction
- Utility Material Lead Times



## DESIGN SERVICES – ENVIRONMENTAL UNIT - NEPA

- Updates to the design after NEPA Clearance process starts
  - Additional drainage, excavation, LOD areas
  - Communicate with the District NEPA section
- Planting Timeframes in CPM schedules – account for the correct time of the year for what is being proposed
- ECMTS – consultants need to enter certain information





# DESIGN SERVICES – ENVIRONMENTAL UNIT - NEPA

**MITIGATION ITEM DETAIL**

Project: 96648      Standard / Non - Federal (100% State)      Advertised

**Short Description:** Edgewood Ave to Byers Rd  
**County:** Somerset      **SR:** 4009      **Org Code:** 0900  
**District:** 09      **Group ID:** ---      **Section:** 001  
**Municipality:** LINCOLN

**Mitigation Detail** EDIT

**ECMS:** 96648  
**MPMS:** 96648

**Activity Type:** Time of Year Restriction

**Activity Description:** Conduct any tree cutting, tree inundation (flooding), and prescribed burning between November 15 and March 31.

**Activity Status:** Active  
**Activity Phase:** Construction  
**Source Document:** BRPA  
**Resource Category:** Wildlife - T&E  
**Specific Resource Impacted:** T&E species  
**Describe Impact:** Avoidance of impacts

**Begin Station:** Entire Project  
**End Station:** Entire Project  
**PS&E Reference:** There are no tree cutting or removal items included in the construction contract.  
**Special Provision (Link):**

**Start Date1:** 11/15/2022  
**End Date1:** 03/31/2023  
**Start Date2:**  
**End Date2:**  
**Start Date3:**  
**End Date3:**

**Audit Information**

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Sarah K McClellan/PennDOT	01/10/2022 08:49:47 AM	Sarah K McClellan/PennDOT

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Tue Feb 15 12:34:44 EST 2022  
Official ECMS Date/Time

Environmental unit enters this information

Consultant enters this information



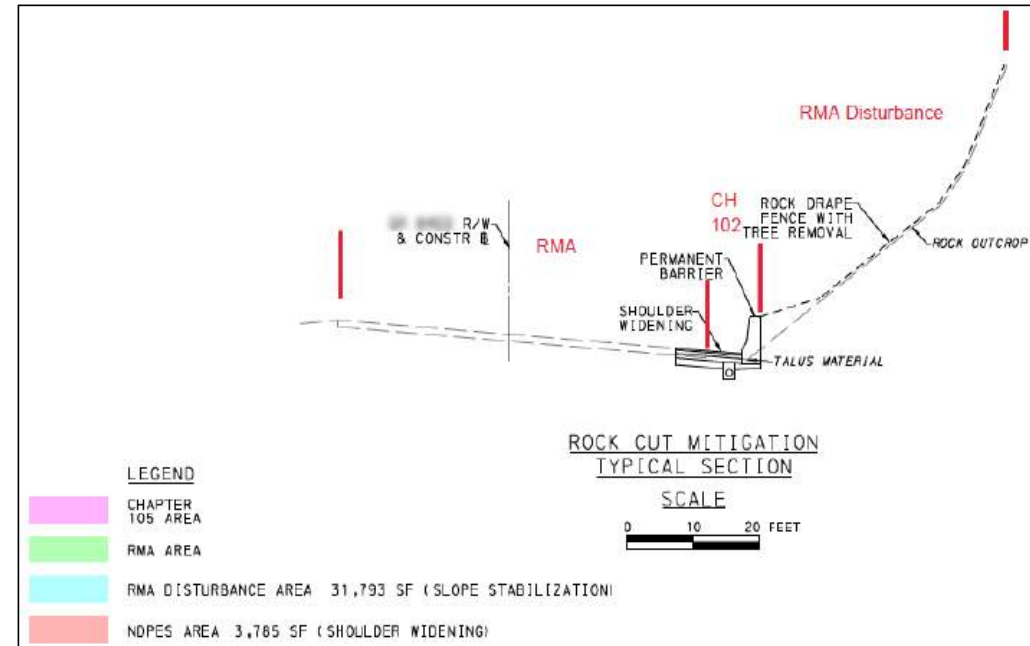
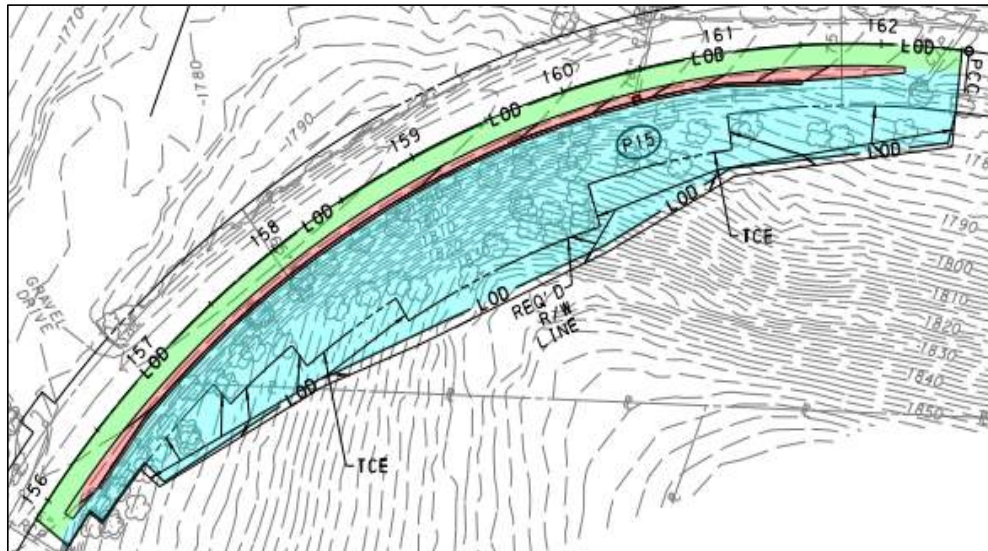
## DESIGN SERVICES – ENVIRONMENTAL UNIT - PERMITS

- Multiple structures along corridor – How do we permit?
  - Separate permits = No roadway work beyond the proposed structure
  - Combined permit = Resurfacing project with structure work at multiple locations
- Color Coded NPDES Disturbance Plans required when total disturbance is  $> 0.85$  acres.
  - Color code RMA disturbance, CH 102 disturbance, CH105/106 disturbance, and RMA areas
  - Add a cross/typical section below each area to verify accurate disturbances



# DESIGN SERVICES – ENVIRONMENTAL UNIT - PERMITS

## Example of an NPDES Disturbance Plan



# DESIGN SERVICES – RIGHT-OF-WAY UNIT

- DM-3, ROW Plan Checklist
  - Buildings (e.g., residential and commercial structures, Outbuildings, etc.); including steps, overhangs, porches, sunroom, decks, etc. within 100' of take area
  - Wells and Sewers
- District 9 Requirements - Reminders
  - All features/installed improvements in the Required Right-of-Way / TCE are assumed to be removed unless noted otherwise and need 'C' Notes
  - Trees in Developed Areas
    - We need to locate and note the type of all individual trees, regardless of size, located in the existing Legal ROW, proposed Required ROW, all proposed TCE areas, and 5' beyond all take areas. The ROW unit will assume all trees located in the Legal ROW, Required ROW and TCE areas will be removed unless noted on the plans "To Remain". The PM/Designer decides which trees will remain.
  - Trees in Undeveloped Areas
    - We need to locate and note the type of all trees 12" or larger located in the existing Legal ROW, proposed Required ROW, all proposed TCE areas, and 5' beyond all take areas. A tree line may also be shown to provide clarity, however the individual trees (12" or larger) must still be located and shown. The ROW unit will assume all trees located in the Legal ROW, Required ROW and TCE areas will be removed unless noted on the plans "To Remain". The PM/Designer decides which trees will remain. In areas of new alignment or significant re- alignment, please consult with the ROW Administrator, as a "Timber Report" may be a more cost-effective alternative.









# DESIGN SERVICES – RIGHT-OF-WAY UNIT

TREE LEGEND

LABEL	STATION	SIDE	OFFSET	SIZE & TYPE	REMOVAL
A	14+30	RT	26'	24" TWIN OAK	YES
B	13+04	LT	31'	8" TWIN DEAD TREE	NO
C	13+35	LT	49'	18" WALNUT	NO
D	13+59	LT	63'	12" OAK	NO
E	13+90	LT	65'	12" DEAD TREE	NO
F	13+90	LT	72'	30" SYCAMORE	NO
G	14+04	LT	49'	30" DEAD TREE	YES
H	14+22	LT	52'	12" MAPLE	YES
I	14+38	LT	26'	12" WALNUT	YES
J	14+39	LT	39'	8" MAPLE	YES
K	14+31	LT	64'	12" DEAD TREE	YES
L	14+39	LT	58'	18" DEAD TREE	YES
M	14+37	LT	39'	18" WALNUT	YES
N	14+44	LT	25'	24" MAPLE	YES
O	14+48	LT	26'	12" MAPLE	YES
P	14+71	LT	67'	40" OAK	YES
Q	14+87	LT	30'	18" MAPLE	YES
R	15+68	LT	86'	12" DEAD TREE	NO
S	15+83	LT	82'	12" CHERRY	NO
T	15+89	LT	81'	12" DEAD TREE	NO
U	15+89	LT	86'	18" LOCUST	NO
V	15+93	LT	65'	24" CHERRY	YES
W	15+67	LT	32'	12" MAPLE	YES
X	15+67	LT	35'	8" OAK	YES
Y	15+70	LT	36'	12" OAK	YES
Z	15+76	LT	28'	18" OAK	YES
AA	15+86	LT	33'	30" MAPLE	YES

LEGEND

-  PARCEL IDENTIFICATION NUMBER
-  SELECTED BORROW EXCAVATION ROCK, CLASS R-4
-  SELECTED BORROW EXCAVATION ROCK, CLASS R-8, CHOKED WITH R-4
-  TREES TO BE REMOVED
-  TREES TO REMAIN
-  REQUIRED RIGHT-OF-WAY
-  COMPOST FILTER SOCK
-  PUMPED WATER FILTER BAG

Clearly shows if it will be removed or remain

Trees are clearly labeled and linked to Tree Legend and Legend.

Easy to see difference between removed/remain



## DESIGN SERVICES – RIGHT-OF-WAY UNIT

- Right-of-Way Acquisition for Local Projects
  - Historically handled by District staff for Local Bridges
  - Other projects (trails, access roads, etc.) have been completed by District staff or Sponsor
  - Sponsor must follow PENNDOT Pub 740 – Local Project Delivery Manual, Chapter 5

*The laws, regulations, policies, and procedures for the acquisition of right-of-way identified in this chapter apply to **any project that uses state and/or federal funding IN ANY PHASE of the project**. This applies even when state or federal dollars are not used specifically for property acquisition or relocation activities but are used elsewhere in the project for things such as: planning, environmental assessments, design, and/or construction. All state and federal regulations must be followed in order to not jeopardize funding.*
  - District Staff will provide guidance if requested

