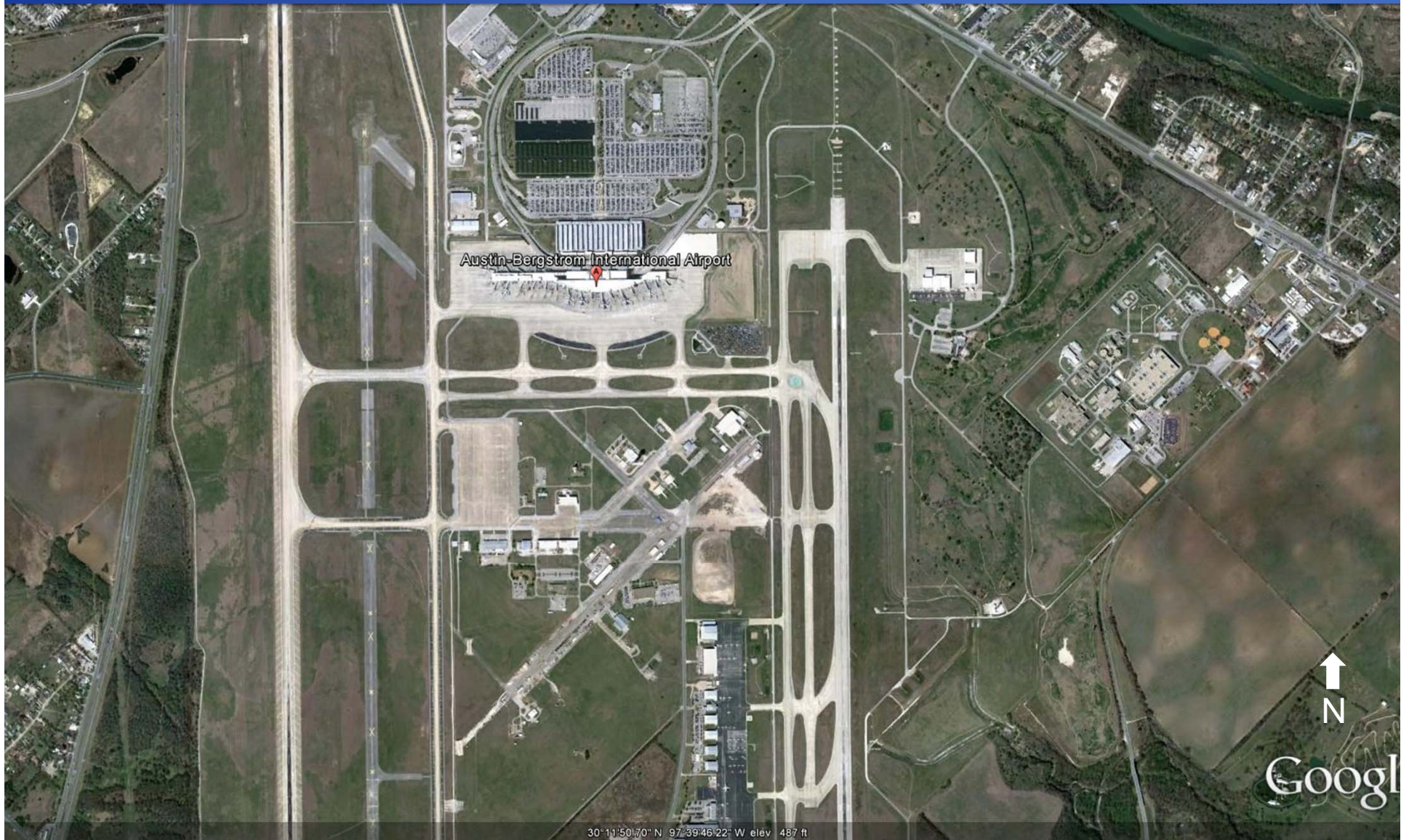


# West Cargo and South Campus





# East Side Development



## #3 – Water Quality Control Standards

- Limit capture volume within the Constrained Development Area (CDA) to the first half inch of runoff





# Constrained Development Area





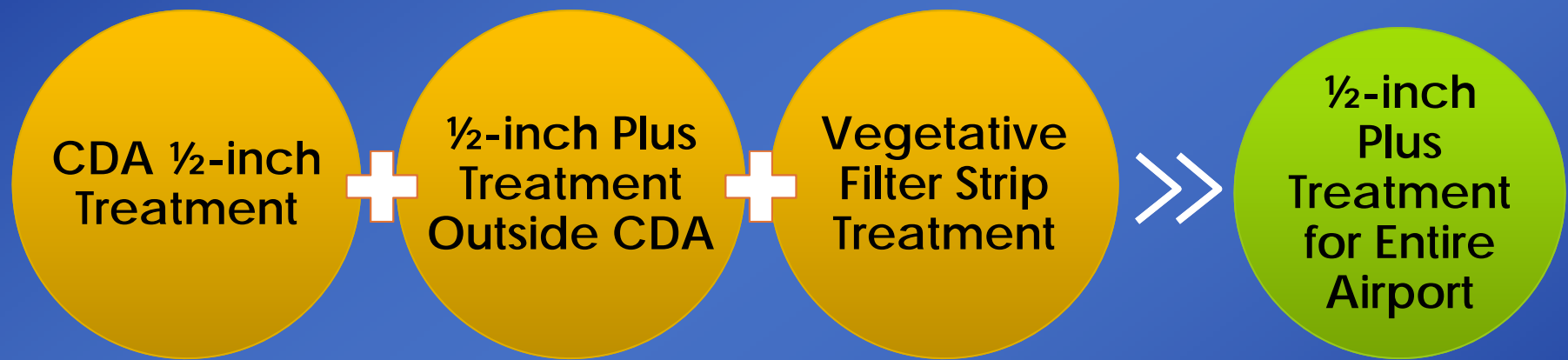
# Proposed Water Quality Plan

- ½-Inch Treatment in CDA
- ½-Inch Plus Treatment Outside of CDA
- Vegetative Filter Strips for Air Field (Runway, Taxiway, Aprons)
- Commitment to Commercial Landscape Ordinance



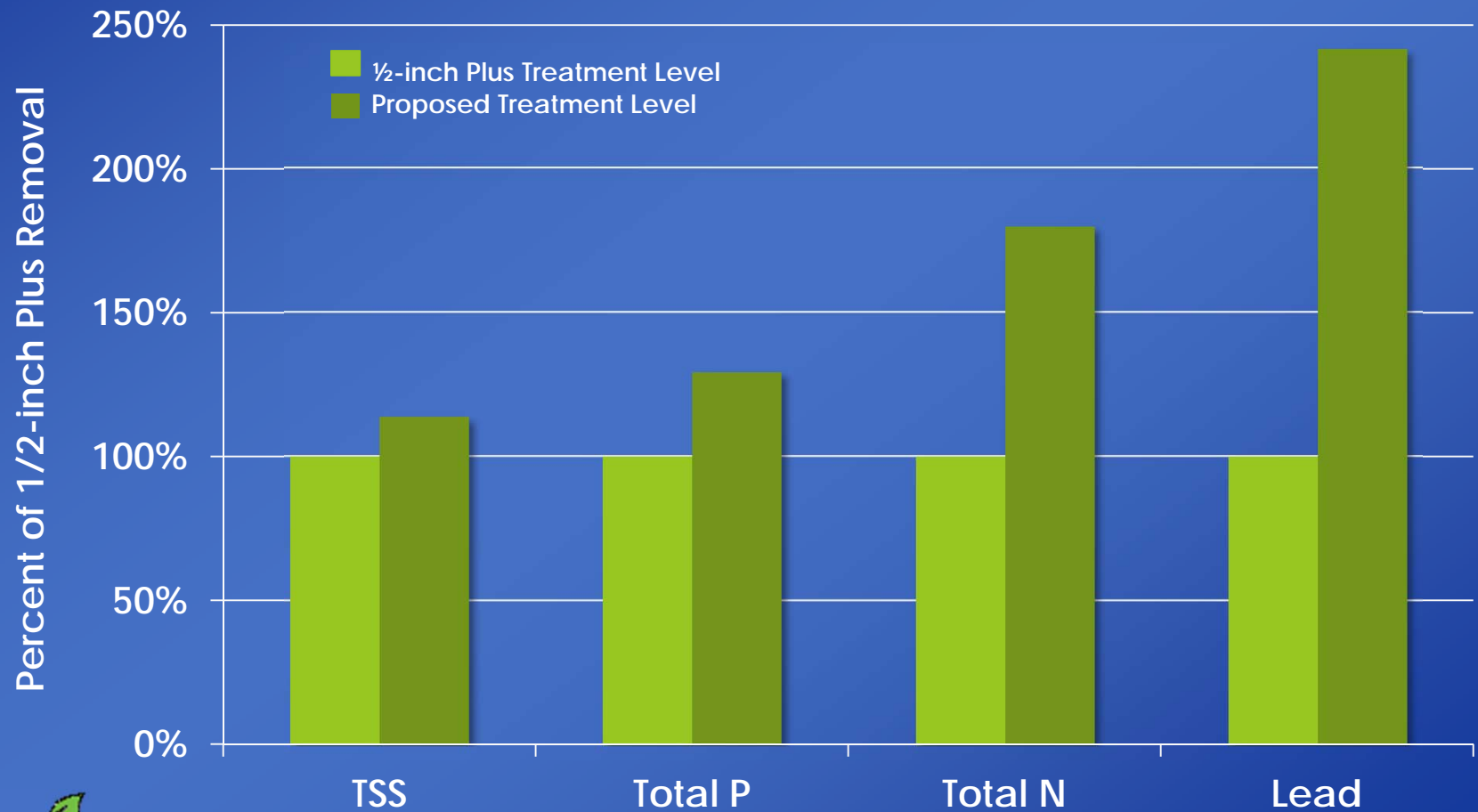


# Water Quality Plan Exceeds Treatment Requirements





# Comparison of Load Removal





# Vegetative Filter Strip



# Commitment to Commercial Landscape Ordinance



From <http://watershedmg.org/green-streets/issues>



From [http://h2o.enr.state.nc.us/wswp/images/swimages/swale\\_stories.htm](http://h2o.enr.state.nc.us/wswp/images/swimages/swale_stories.htm)

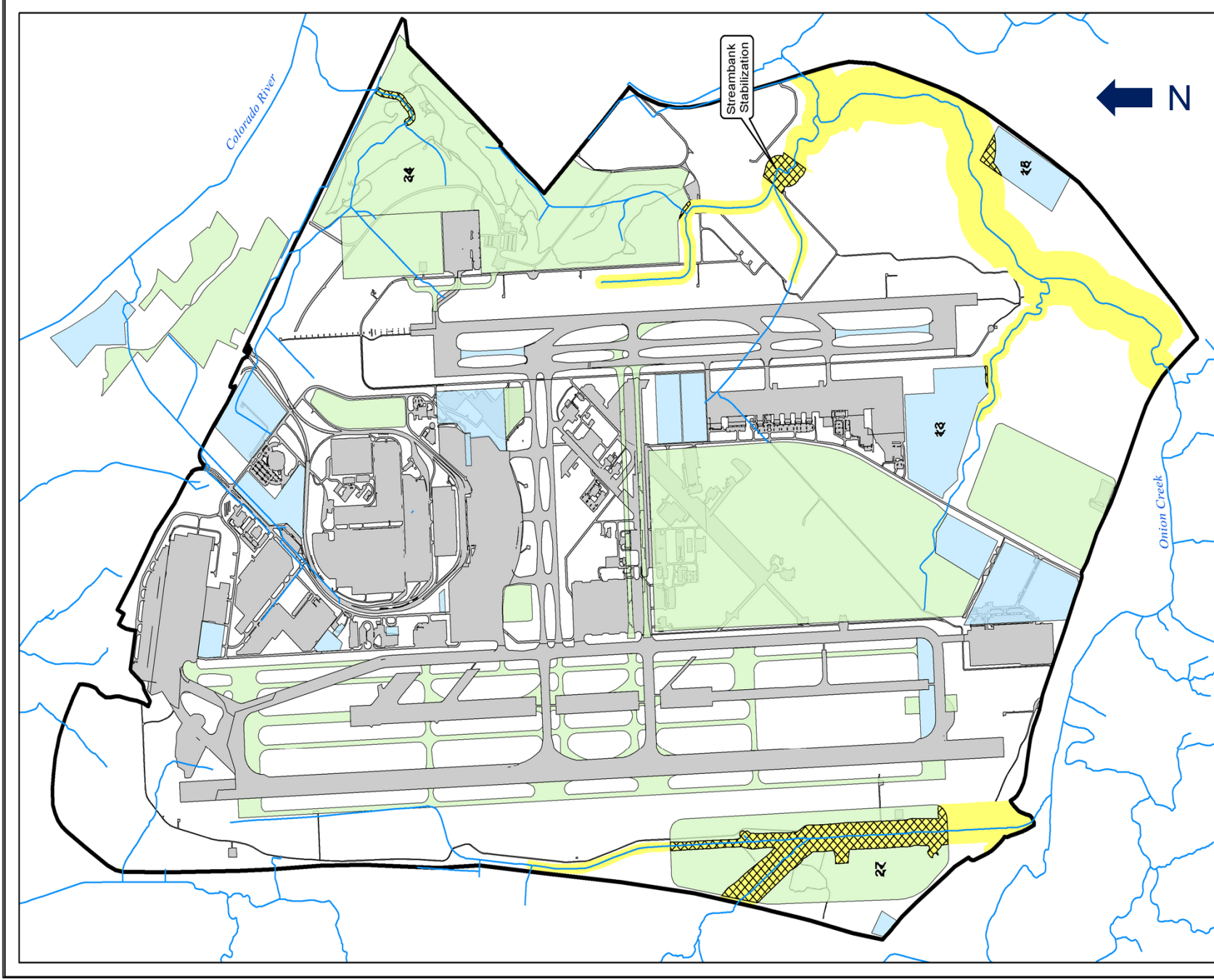




## #4 – Allow for Construction within the Critical Water quality Zone

- Requesting up to 40 acres of impervious cover
- Two areas:
  - West Side Air Cargo
  - On-site drainage channel improvements





#### Legend

- Waterways
- Existing Impervious Cover
- Near Term Improvements
- Ultimate Improvements
- Critical Water Quality Zones (CWQZ)
- CWQZ and Improvements Overlay Areas

h

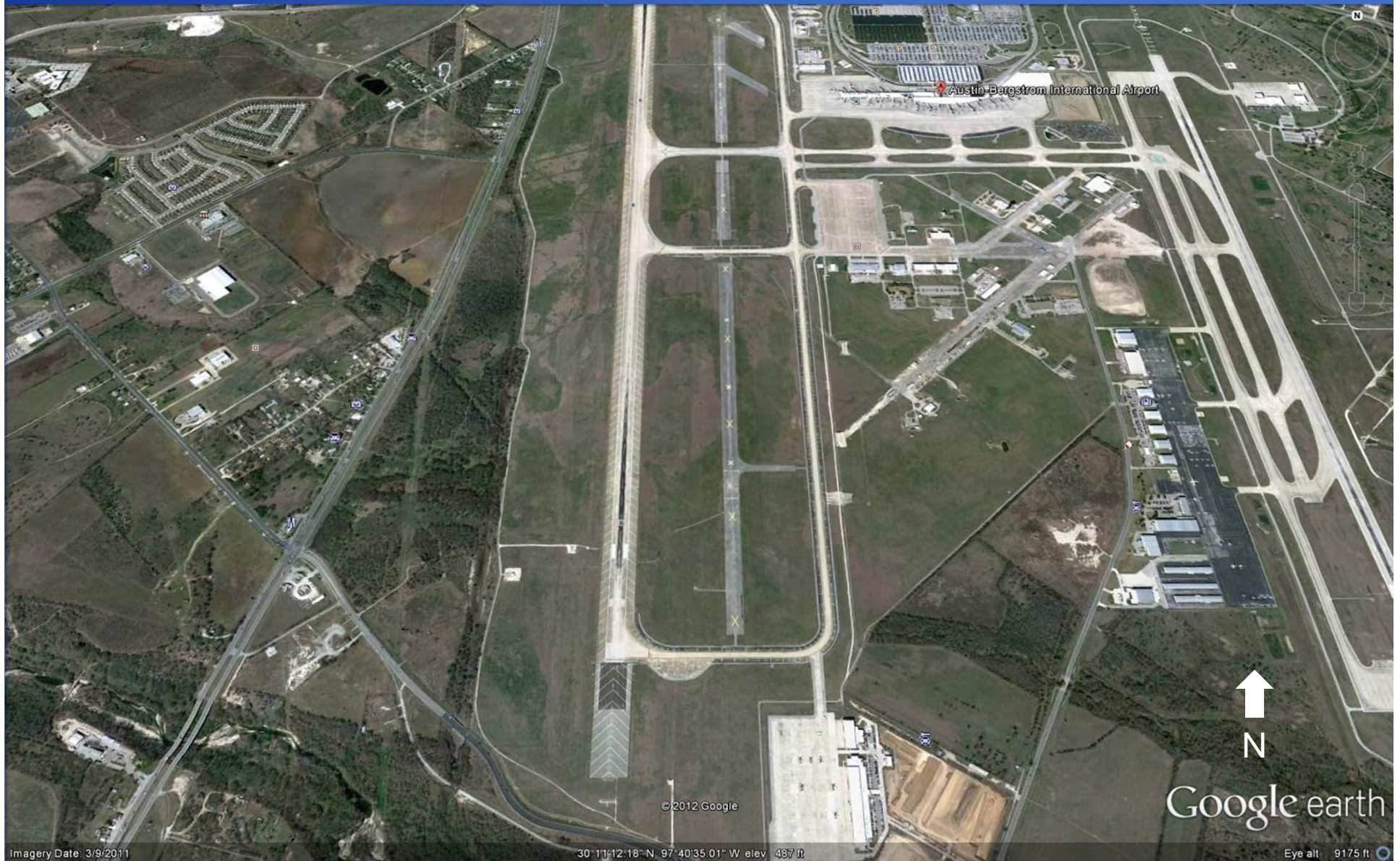
0 1,000 2,000 4,000 Feet

Critical Water Quality Zones Within Proposed Improvement Areas  
Austin - Bergstrom International Airport (ABIA)  
STORMWATER DRAINAGE MASTER PLAN (SWMP) UPDATE  
Project No.: 4910-8107-3139



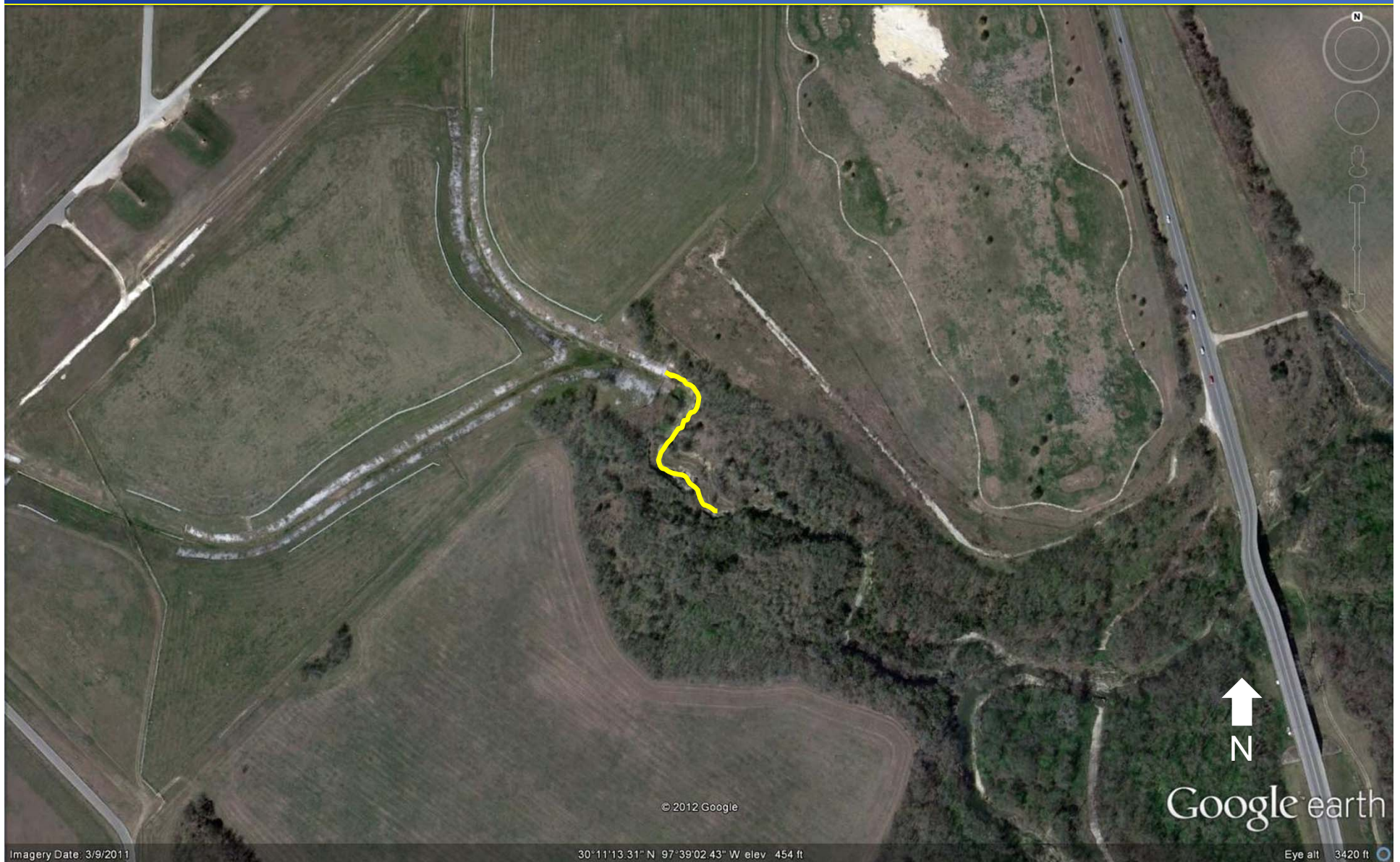


# West Cargo and South Campus





# Outfall 16 Aerial





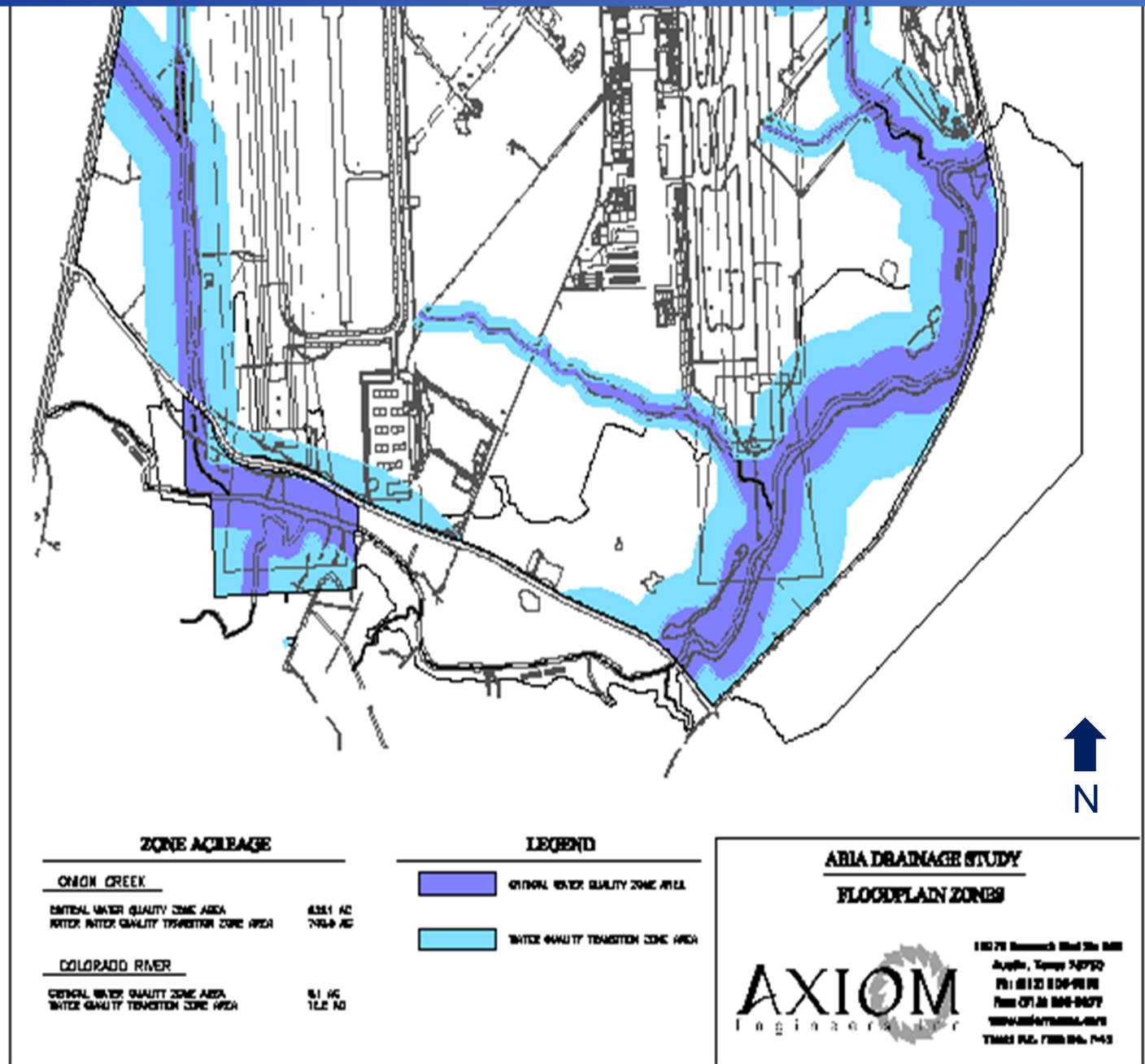
## #5 – Water Quality Transition Zone

- Allow impervious cover of up to 30% based on gross site area



Critical  
Water  
Quality  
Zones

Water  
Quality  
Transition  
Zones







## #6 – Cut and Fill

- DOA seeks variance to allow cuts to exceed four feet (but not to exceed 25 ft) and fill to exceed four feet (but not to exceed 15 ft) for:
  - Air field development
  - Onsite drainage ditch improvements
  - Sidewalks and fire lanes


































## Legend

-  Basins
-  Airport Property

## Topography

### Elevation (ft)

-  600 - 650
-  550 - 600
-  520 - 550
-  515 - 520
-  510 - 515
-  505 - 510
-  500 - 505
-  498 - 500
-  496 - 498
-  494 - 496
-  492 - 494
-  490 - 492
-  488 - 490
-  486 - 488
-  484 - 486
-  482 - 484
-  480 - 482
-  478 - 480
-  476 - 478
-  474 - 476
-  472 - 474
-  470 - 472
-  468 - 470
-  466 - 468
-  464 - 466
-  462 - 464
-  460 - 462
-  455 - 460
-  450 - 455
-  425 - 450
-  400 - 425
-  392 - 400

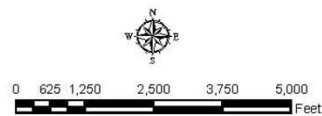
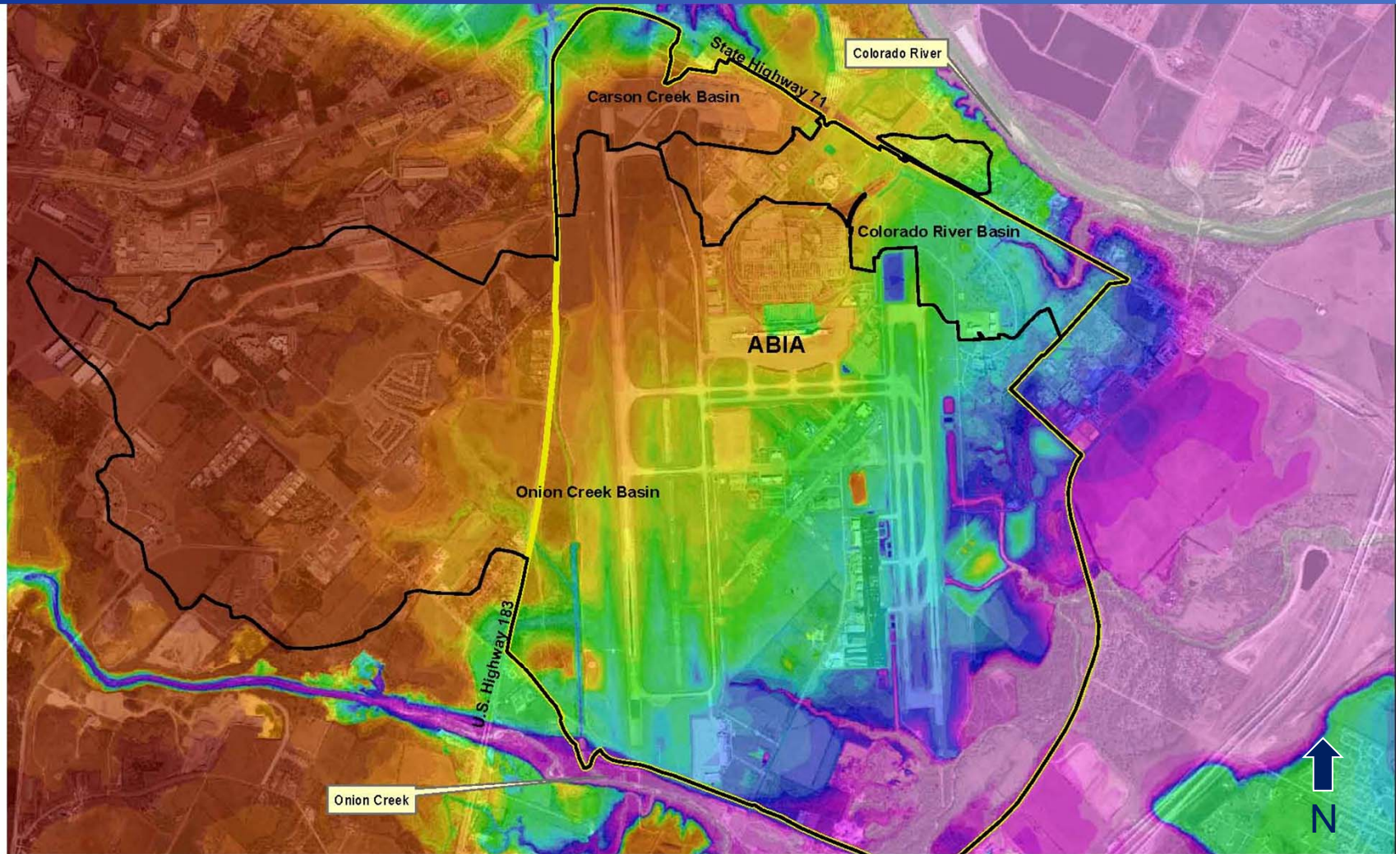


Figure 2-1  
Area Topography  
Austin-Bergstrom International Airport (ABIA)  
Stormwater Drainage Master Plan (SWMP) Update  
Project No.: 4910-8107-3139





# Example of “level” airfield





# Example of Fill Requirement – RON Project



# Another example of fill requirement





# Tree Surveys

- DOA is not requesting a variance and will submit a tree survey/plan with each proposed development



# Proposed Schedule

Activity	Date
Interdepartmental Review	Done
Environmental Board Briefing	Done
<b>Environmental Board</b>	<b>April 4</b>
Planning Commission Codes & Ordinances Sub-committee Briefing	April
Planning Commission	April
Council Action	May/June





# Questions and Discussion

