

NCTD DEL MAR BLUFF VISUAL STUDY

“Fence and Fall Protection Project”

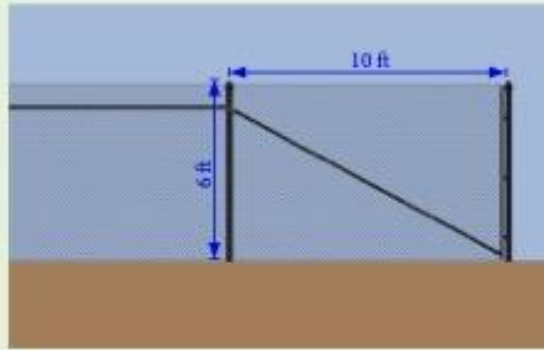
LOSSAN Corridor from Mile Post 244.1 to 245.7

Prepared by: **KTUA / Civil Pros / Towill**

Prepared on: Oct. 05, 2021



**6' SECURITY FENCE
OPTION 1:
BLACK VINYL COATED
INDUSTRIAL CHAIN LINK
FENCE**



Straight-on View

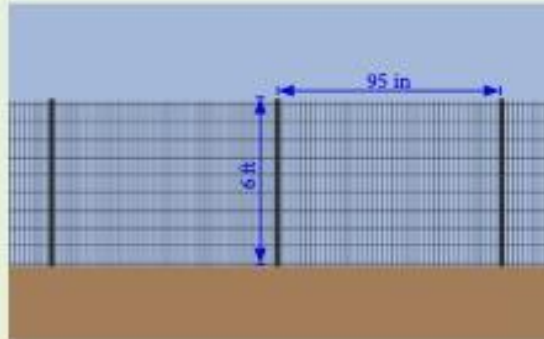


Perspective View



Simulated

**6' SECURITY FENCE
OPTION 2:
DESIGNMASTER CLASSIC**



Straight-on View

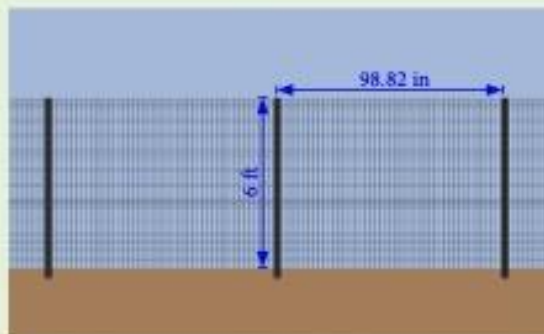


Perspective View



Simulated

**6' SECURITY FENCE
OPTION 3:
DESIGNMASTER
ORSOGRIL RECINTHA**



Straight-on View

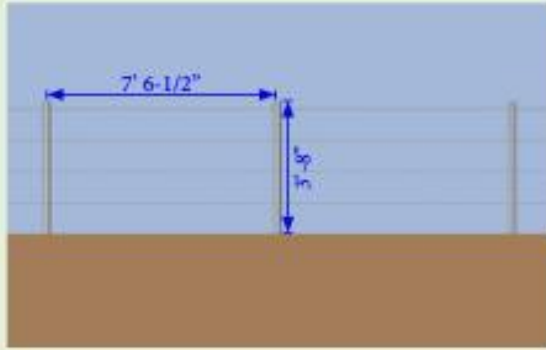


Perspective View

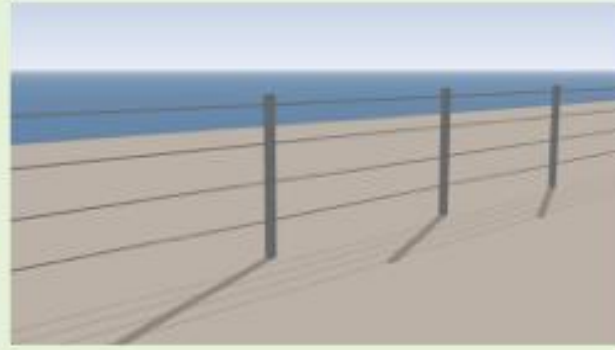


Simulated

**POST & CABLE FALL
PROTECTION
ROUND STEEL POSTS**



Straight-on View

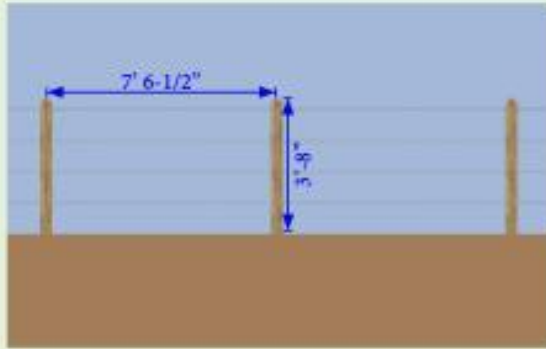


Perspective View



Simulated

**POST & CABLE FALL
PROTECTION
IPE WOOD POSTS**



Straight-on View

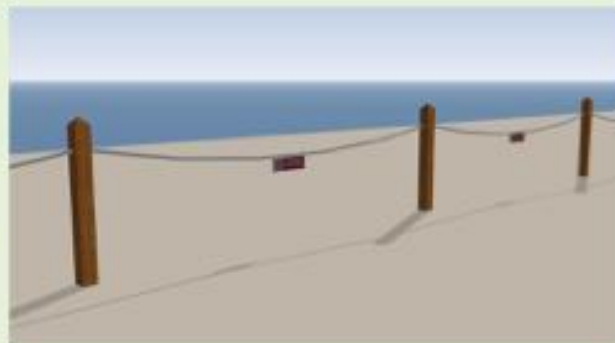
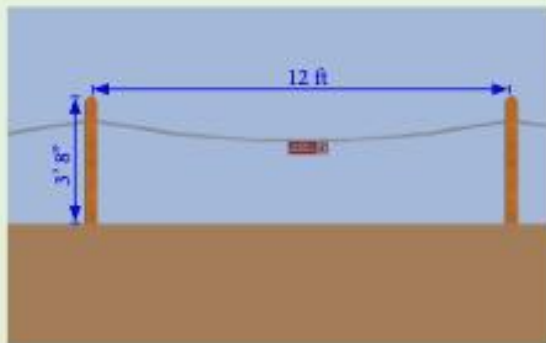


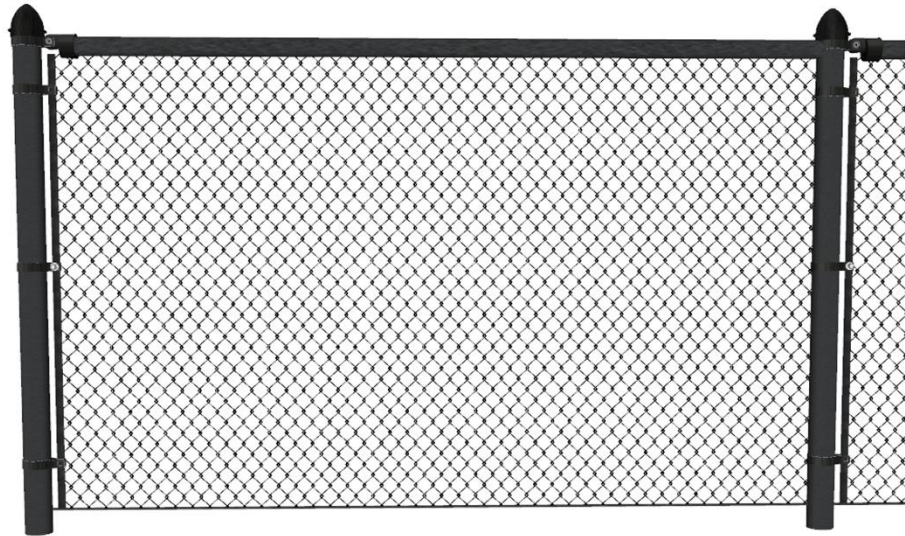
Perspective View



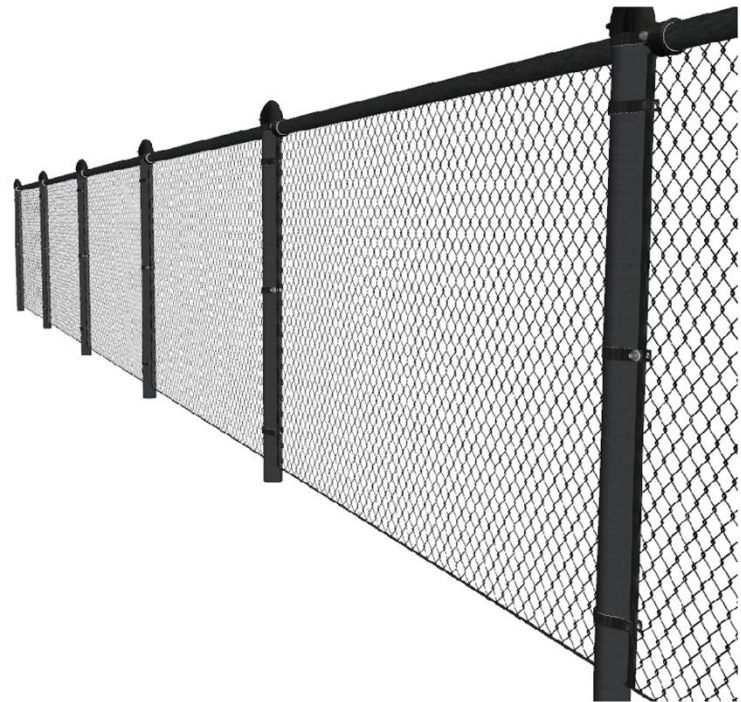
Simulated

**SINGLE-STRAND WOOD
POST FENCE**

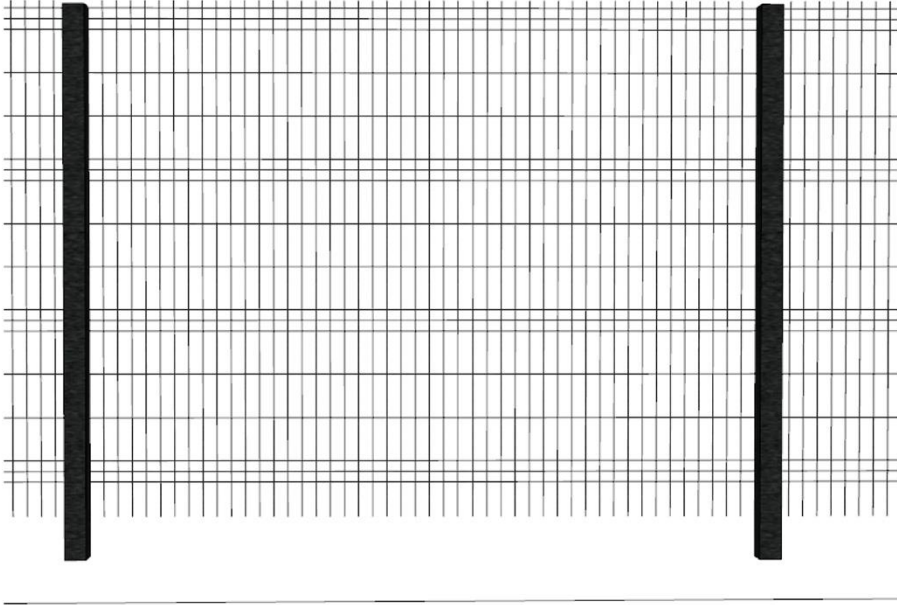




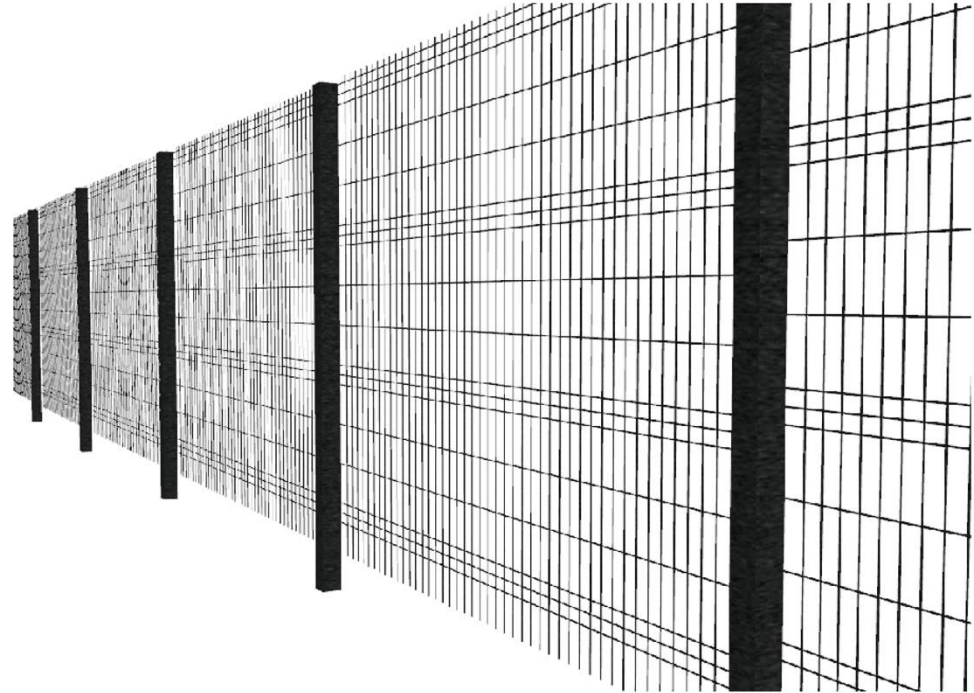
Vinyl Coated Chain Link Fence



Vinyl Coated Chain Link Fence (Angle View)



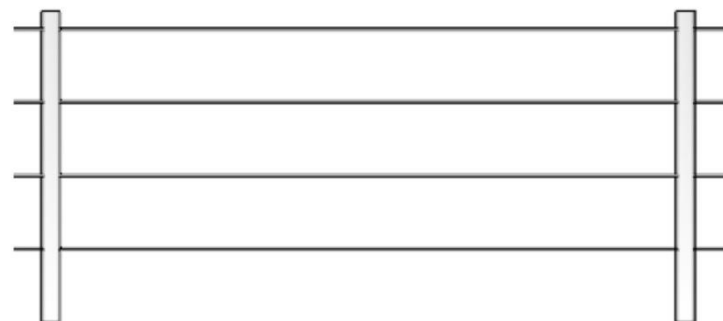
Metal Mesh Fence



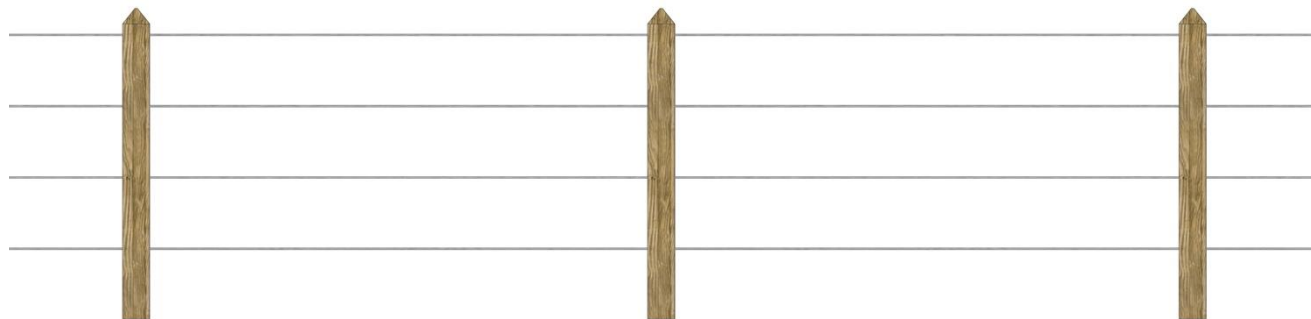
Metal Mesh Fence (Angle View)



Standard wood post (pressure treated) with single steel cable



Galvanized steel post with 4 tensioned steel cables

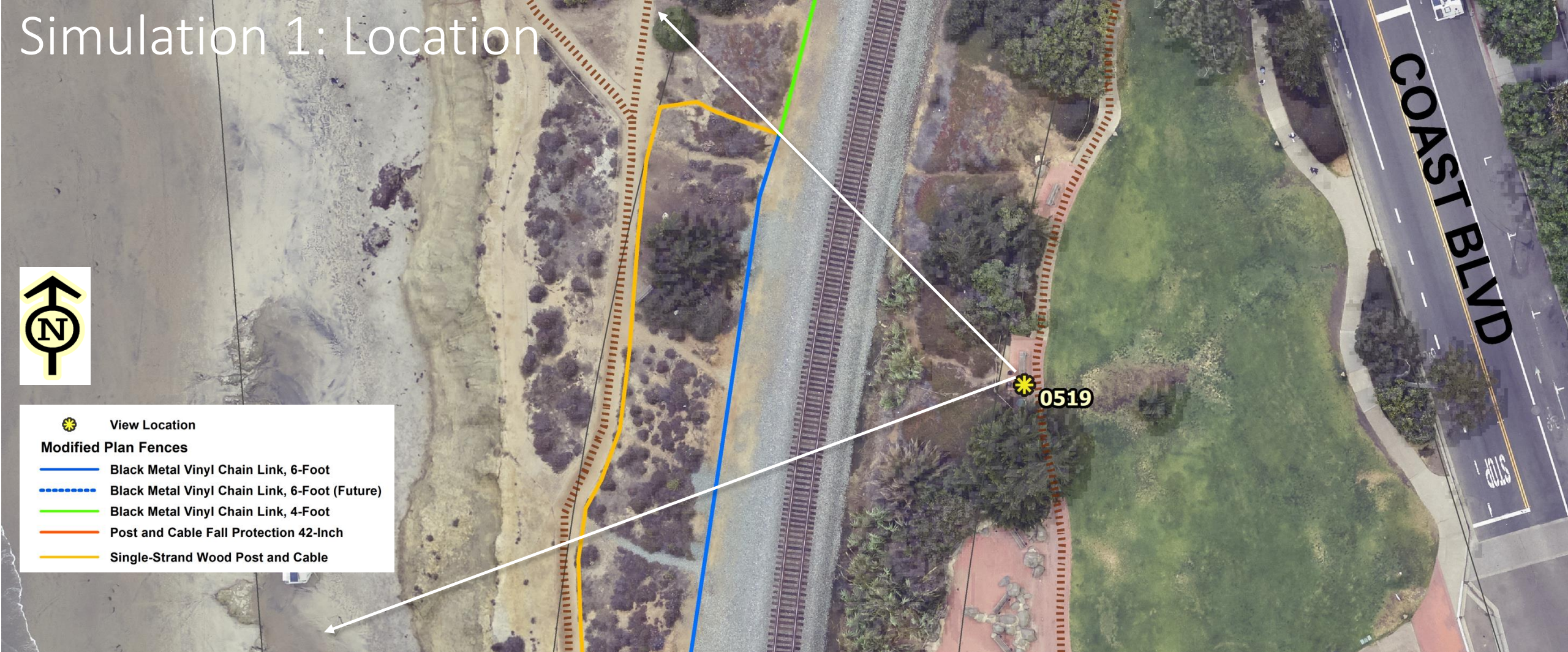


Ipe wood post with 4 tensioned steel cables

Simulation 1: Location



- View Location
- Modified Plan Fences**
- Black Metal Vinyl Chain Link, 6-Foot
- Black Metal Vinyl Chain Link, 6-Foot (Future)
- Black Metal Vinyl Chain Link, 4-Foot
- Post and Cable Fall Protection 42-Inch
- Single-Strand Wood Post and Cable



Simulation 1- Existing Conditions



Simulation 1A- Top of Slope Base Condition: Black Vinyl Chain Link (Original Plan)



Simulation 1B-Top of Slope: Material Option 1

Galvanized Chain Link



Simulation 1C- Material Option 2: Metal Mesh Fence (Modified Plan)



Simulation 1D- Location Option 3: Chain Link Located Lower on Slope (Modified Plan)



Simulation 1E- Material & Location Option 4: Lower on the Slope & Galvanized (Modified Plan)



Simulation 2: Location

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View Location

Modified Plan Fences

-  Black Metal Vinyl Chain Link, 6-Foot
-  Black Metal Vinyl Chain Link, 6-Foot (Future)
-  Black Metal Vinyl Chain Link, 4-Foot
-  Post and Cable Fall Protection 42-Inch
-  Single-Strand Wood Post and Cable



Simulation 2: Existing Condition



Simulation 2: Original Plan



Simulation 2: Modified Plan



Simulation 3: Location



-  View Location
- Modified Plan Fences**
-  Black Metal Vinyl Chain Link, 6-Foot
-  Black Metal Vinyl Chain Link, 6-Foot (Future)
-  Black Metal Vinyl Chain Link, 4-Foot
-  Post and Cable Fall Protection 42-Inch
-  Single-Strand Wood Post and Cable



Simulation 3: Existing Condition



Simulation 3: Original Plan



Simulation 3: Modified Plan



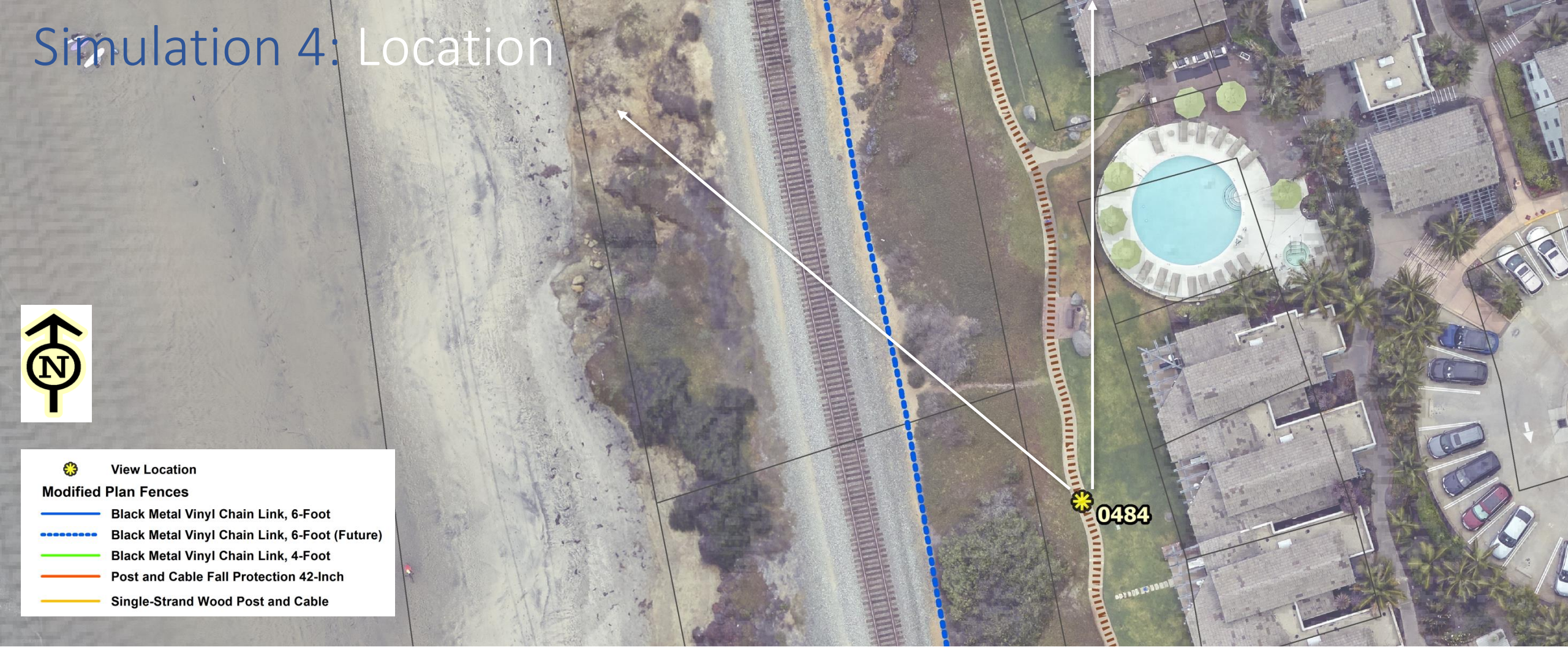
Simulation 4: Location



View Location

Modified Plan Fences

-  Black Metal Vinyl Chain Link, 6-Foot
-  Black Metal Vinyl Chain Link, 6-Foot (Future)
-  Black Metal Vinyl Chain Link, 4-Foot
-  Post and Cable Fall Protection 42-Inch
-  Single-Strand Wood Post and Cable



Simulation 4: Existing Condition



Simulation 4: Original Plan



Simulation 4: Modified Plan



Simulation 5: Location



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- * View Location
- Modified Plan Fences**
- Black Metal Vinyl Chain Link, 6-Foot
- - - Black Metal Vinyl Chain Link, 6-Foot (Future)
- Black Metal Vinyl Chain Link, 4-Foot
- Post and Cable Fall Protection 42-Inch
- Single-Strand Wood Post and Cable

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Simulation 5: Existing Condition



Simulation 5: Original Plan



Simulation 5: Modified Plan (No elements visible)



Simulation 6: Location



- View Location
- Modified Plan Fences**
- Black Metal Vinyl Chain Link, 6-Foot
- Black Metal Vinyl Chain Link, 6-Foot (Future)
- Black Metal Vinyl Chain Link, 4-Foot
- Post and Cable Fall Protection 42-Inch
- Single-Strand Wood Post and Cable



Simulation 6: Existing Condition



Simulation 6: Original Plan



Simulation 6: Modified Plan



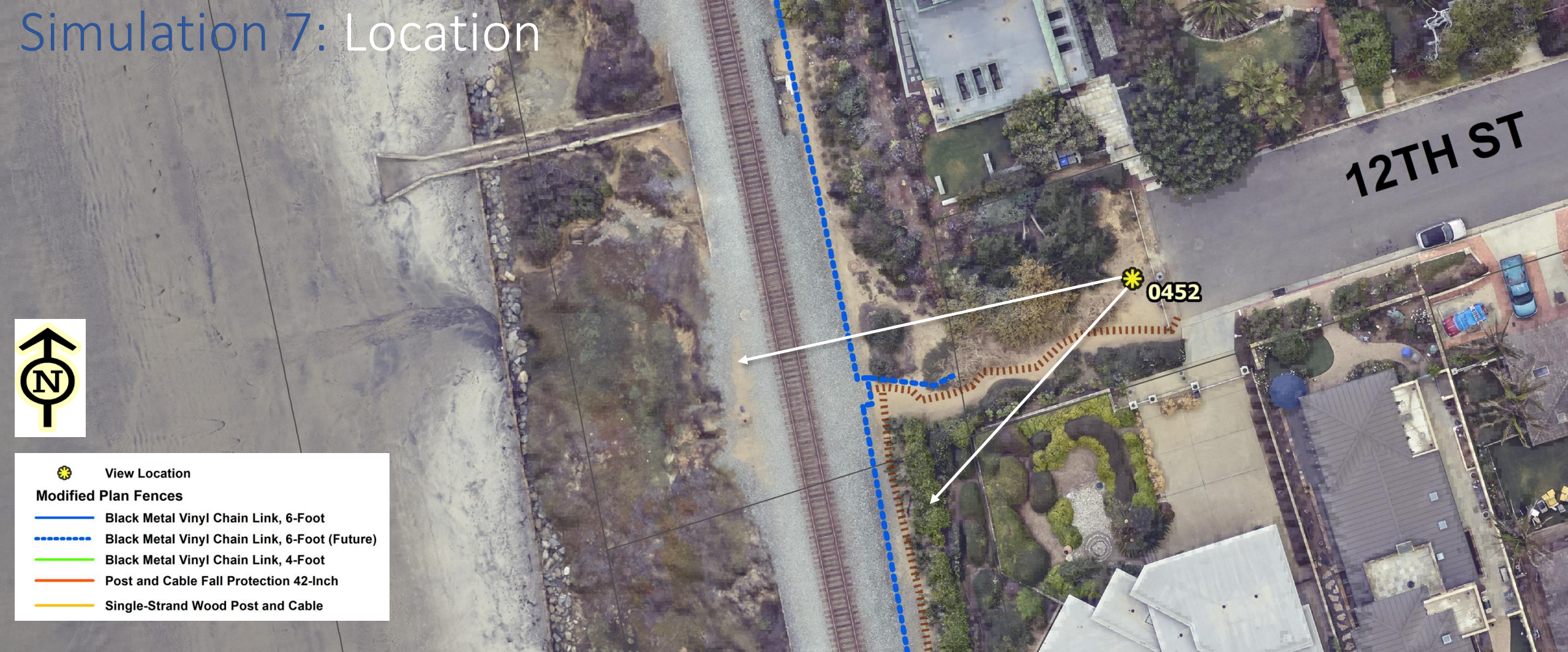
Simulation 6: Modified Plan Option



Simulation 7: Location



-  View Location
- Modified Plan Fences**
-  Black Metal Vinyl Chain Link, 6-Foot
-  Black Metal Vinyl Chain Link, 6-Foot (Future)
-  Black Metal Vinyl Chain Link, 4-Foot
-  Post and Cable Fall Protection 42-Inch
-  Single-Strand Wood Post and Cable



Simulation 7: Existing Condition



Simulation 7: Original Plan



Simulation 7: Modified Plan



Simulation 8: Location



- View Location
- KTUA Proposed Fences**
- Black Metal Vinyl Chain Link, 6-Foot
- Black Metal Vinyl Chain Link, 6-Foot (Future)
- Black Metal Vinyl Chain Link, 4-Foot
- Black Metal Vinyl Gates
- Post and Cable Fall Protection 42-Inch
- Single-Strand Wood Post and Cable



Simulation 8: Existing Conditions



Simulation 8: Original Plan



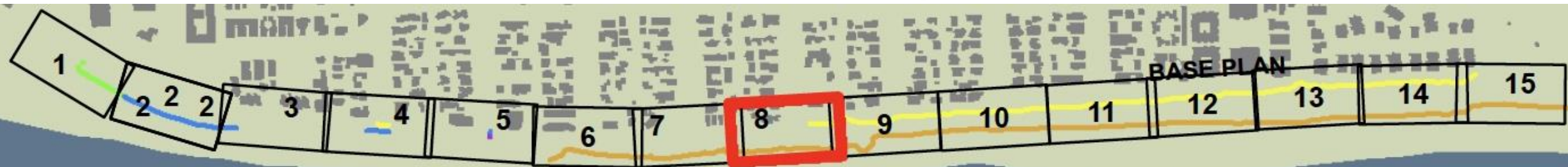
Simulation 8: Modified Plan



Simulation 9: Location



- View Location
- Modified Plan Fences**
- Black Metal Vinyl Chain Link, 6-Foot
- Black Metal Vinyl Chain Link, 6-Foot (Future)
- Black Metal Vinyl Chain Link, 4-Foot
- Post and Cable Fall Protection 42-Inch
- Single-Strand Wood Post and Cable



Simulation 9: Existing Condition



Simulation 9: Original Plan



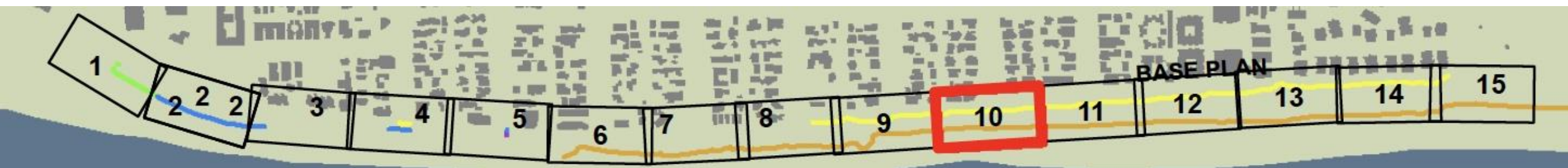
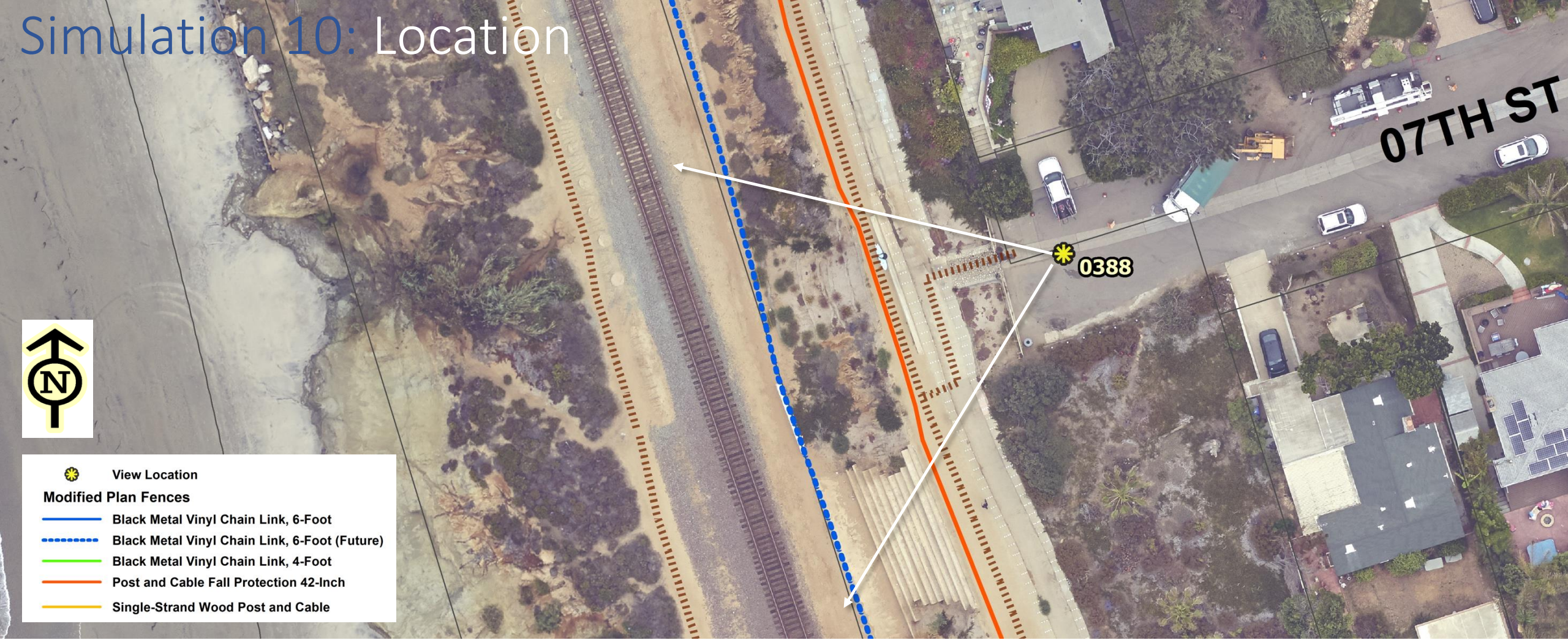
Simulation 9: Modified Plan



Simulation 10: Location



- View Location
- Modified Plan Fences**
- Black Metal Vinyl Chain Link, 6-Foot
- Black Metal Vinyl Chain Link, 6-Foot (Future)
- Black Metal Vinyl Chain Link, 4-Foot
- Post and Cable Fall Protection 42-Inch
- Single-Strand Wood Post and Cable



Simulation 10: Existing Condition



DANGER PELIGRO
RAILROAD
PROPERTY
FERROVIARIA
NO TRESPASSING
PROHIBIDO
TRASPASAR

UNSTABLE CLIFFS
KEEP OFF
NO PUBLIC ACCESS

CAUTION!
UNSTABLE CLIFFS
NO TRESPASSING

WARNING
SHARK SIGHTED
NO SWIMMING

NO PARKING
ANY TIME

PROTECT THE SURRO
NO IDLING

Simulation 10: Original Plan







Simulation 10: Modified Plan



Simulation 11: Location



-  View Location
- Modified Plan Fences**
-  Black Metal Vinyl Chain Link, 6-Foot
-  Black Metal Vinyl Chain Link, 6-Foot (Future)
-  Black Metal Vinyl Chain Link, 4-Foot
-  Post and Cable Fall Protection 42-Inch
-  Single-Strand Wood Post and Cable



Simulation 11: Existing Condition




DANGER PELIGRO
RAILROAD PROPERTY FERROVIARIA
NO TRESPASSING PROHIBIDO TRASPASAR
CA PENAL CODE 555

UNSTABLE CLIFFS
DANGER **KEEP OFF**
NO PUBLIC ACCESS

See Tracks?
THINK TRAIN

Simulation 11: Original Plan



**DANGER
PELIGRO**

RAILROAD
PROPERTY
FERROVIARIA

NO TRESPASSING
PROHIBIDO
TRASPASAR

CA PENAL CODE 555

UNSTABLE CLIFFS

DANGER **KEEP
OFF**

NO PUBLIC ACCESS


See Tracks?
**THINK
TRAIN**

Simulation 11: Modified Plan








Simulation 12: Location



 View Location

Modified Plan Fences

-  Black Metal Vinyl Chain Link, 6-Foot
-  Black Metal Vinyl Chain Link, 6-Foot (Future)
-  Black Metal Vinyl Chain Link, 4-Foot
-  Post and Cable Fall Protection 42-Inch
-  Single-Strand Wood Post and Cable



Simulation 12: Existing Condition



Simulation 12: Original Plan



Simulation 12: Modified Plan




Simulation 13: Location



 View Location

Modified Plan Fences

-  Black Metal Vinyl Chain Link, 6-Foot
-  Black Metal Vinyl Chain Link, 6-Foot (Future)
-  Black Metal Vinyl Chain Link, 4-Foot
-  Post and Cable Fall Protection 42-Inch
-  Single-Strand Wood Post and Cable

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BASE PLAN

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Simulation 13: Existing Condition



Simulation 13: Original Plan



Simulation 13: Modified Plan (No elements visible)

