

Supplementary Initial Site Assessment

High Desert Corridor

1.3 to 9.3 Miles East of San Bernardino County line

Project Number 07-1200-0035

E.A. 2600U0

Prepared by Office of Environmental Design,

District 7, Los Angeles, CA

August 2013

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Appendix 3: Site Aerial Photo and the original route through Former Meadowbrook Dairy Farm.

1.0 INTRODUCTION

The California Department of Transportation (Department) is proposing to construct a new freeway/expressway located in the High Desert area of Los Angeles and San Bernardino Counties. The new route spans an estimated 63 miles between Route 14 in Palmdale and State Route 18 in Apple Valley. The High Desert Corridor (HDC) runs slightly south of El Mirage Road and then follows Air Expressway Road near Interstate 15. East of I-15, the proposed route curves south until it ends at State Route 18 in Town of Apple Valley at Bear Valley Road.

1.1 Purpose and Need

In September 2011 the hazardous waste issues of the San Bernardino County part of HDC was studied at Initial Site Assessment (ISA) phase by District 8 Office of Environmental Engineering. The ISA concluded Former Meadowbrook Dairy Farm at northwest corner of Sheep Creek Rd/Parkdale Rd intersection that is considered a potential Recognized Environmental Concern (REC). As the HDC would be constructed through Meadowbrook Dairy Farm, Office of Design B asked Office of Environmental Design to carry out a supplementary ISA on the alternative route for the part of HDC that crosses Sheep Creek Rd, south of Parkdale Rd. The proposed alternative route is approximately 8 miles long. It avoids the Former Meadowbrook Dairy Farm but runs through the runway part of Krey Field which is a private glider and small plane airport, Appendix 1.

1.2 Scope of Work

The scope of work for this Supplemental ISA includes the following:

Regulatory Records Review

Historical Topo Maps Review

Historical Aerial Review

San Born Fire Insurance Review

Site Reconnaissance

Review of Agency Records for properties identified as RECs

Develop a report of findings and conclusions

1.0 Site Location

The proposed HDC/Sheep Creek Rd alternative is located in the high desert of San Bernardino County, an estimated 500 feet south of where Sheep Creek Rd intersects Parkdale Rd, approximately 1.3-9.3 miles east of Los Angeles/San Bernardino County line .

The study area consist of an eight mile stretch of undeveloped land except for Krey Field, a small airport, located on Johnson Rd, an estimated 500 feet south of where Parkdale and Johnson Roads intersect.

2.1 Regional Geology and Hydrogeology

The site is located in the Mojave Desert Geomorphic province and situated on Recent Alluvium deposit.

It is in the Lahontan Hydrological Basin and the groundwater may be encountered at 70-165 feet below ground surface.

3.0 Site Reconnaissance

The proposed 8 mile alternative for the HDC was visited on 8/6/2013. The results of the reconnaissance indicated that except for Krey Field in the eastern part of it, the alternative route remains undeveloped. In our observation of Krey Field from outside of its gated entrance, we drew the following conclusions:

There were several gliders and at least two small single propeller airplanes next to its two 2000-3000 feet long runways. There is also a large hanger, several large trailers, a water tower and a suspected large above ground white storage tank. As the airport is equipped to service small planes the presence of the above ground storage tank is suspected of storing fuel for the planes. In addition, as we were not able to access the facility in the airport, it could also have underground storage tanks.

4.0 Public Record Review

4.1 Environmental Regulatory Database Review

The 8 mile alternative rerouting of the HDC is within the general area that was contracted to Track Info Services for the entire San Bernardino part of the HDC project. Therefore, this source was also used to identify the reported listings of RECS for this supplementary ISA.

The reviewed databases included federal and state lists of known or suspected contaminated sites, known handlers or generators of hazardous waste, known waste disposal facilities and permitted underground storage tanks. These data bases include: NPL, CERCLIS, RCRA COR ACT, RCRA TSD, ERNS, TRIBAL LANDS, STATE/TRIBAL LAND SITES, STATE/ TRIBAL SWL, STATE/ TRIBAL UST/ AST, RADON, STATE PERMITS, , STATE OTHER, and HW MANIFEST.

4.2 Environmental Database Report Results and Assessment

Based on the Environmental Regulatory Database review, the 8 mile alternative rerouting does not have any potential REC site within at least 1/8 mile of it.

4.3 Sites Listed on the State Water Resource Control Board Geotracker Site

Based on the Geotracker Database review, the 8 mile alternative rerouting does not have any potential REC site within at least 1/8 mile of it.

4.4 Department of Conservation Division of Oil, Gas and Geothermal Resources (DOGGR)

Oil field maps were reviewed on the GOGGR to determine if the proposed 8 mile alternative rerouting will be located within active oil or gas fields. The proposed rerouting is not depicted within oil or gas fields.

5.0 Historical Records Review

Aerial Photos were obtained by Track Info Services for the historical usage of the entire HDC project in San Bernardino County.

5.1 Aerial Photographs Review

Date: 1989:

A dairy farm appears in the area along Parkdale Road and Sheep Creek Rd that is within 1/8th mile of the 8 mile proposed rerouting of the HDC.

Date: 2002:

The dairy farm and scattered residences at Sheep Creek and Parkdale Road are visible and most of the area as it does today in form of undeveloped land.

Date: 2005 Krey Air Port Field existed but based on its history is appeared in 1987 on the eastern half of the rerouted part of the HDC. With reference to the Google Map, it is the only development in its proposed alternative pathway.

5.2 Fire Insurance Maps

No Sanborn Fire Insurance Maps are available for the 8 mile proposed rerouting of the HDC.

5.3 Historical Topographic Maps

El Mirage Quadrangle: 1956, 1968, 1992 were reviewed. The elevation at at Krey Field is 3028 feet above sea level. No oil wells or other structures beside Krey Field and its hanger and other facilities were noted.

6.0 Findings and Recommendations

The sites that exhibit potential environmental concerns within 1/8th mile of the 8 mile footprint of the rerouted HDC are noted in Appendix 2. Based on the findings of this ISA the Former Meadowbrook Dairy Farm is the only REC that is within 1/8th of mile of its proposed pathway. Based on the ISA Krey Airport Field which is in the proposed pathway of the HDC does not appear to be a hazardous waste concern. The Geotracker Database does not indicate above or below ground fuel tanks on its premises. However, as small single propeller planes are kept, serviced and fueled there, it is possible that the observed above ground storage tank in our reconnaissance could contain airplane fuel.

Although the plans call for passing the HDC through the Krey Field's runways, it may become necessary to also acquire north of it where its airplane service facilities are located. Therefore, the whole property needs to be investigated at detail ISA level in order to assess its hazardous waste issues, followed by a Phase 2 Site Investigation if necessary.

As the proposed route through Krey Field requires further assessment, we also recommend a detailed ISA level reassessment of the original pathway that cuts through most of the buildings in the Former Meadowbrook Dairy Farm, (Appendix 3). Except for the central part of it where all the buildings are located, most of the former dairy farm is vacant land with few elongated sheds for cattle. Its assessment should address it as potential REC but assist in selection between the two alternatives pathways for the HDC in this region.

References

1. Initial Site Assessment, High Desert Corridor, By Office of Environmental Engineering , District 8, San Bernardino , CA , September 2011
2. Environmental First Search Report by Track Info Services

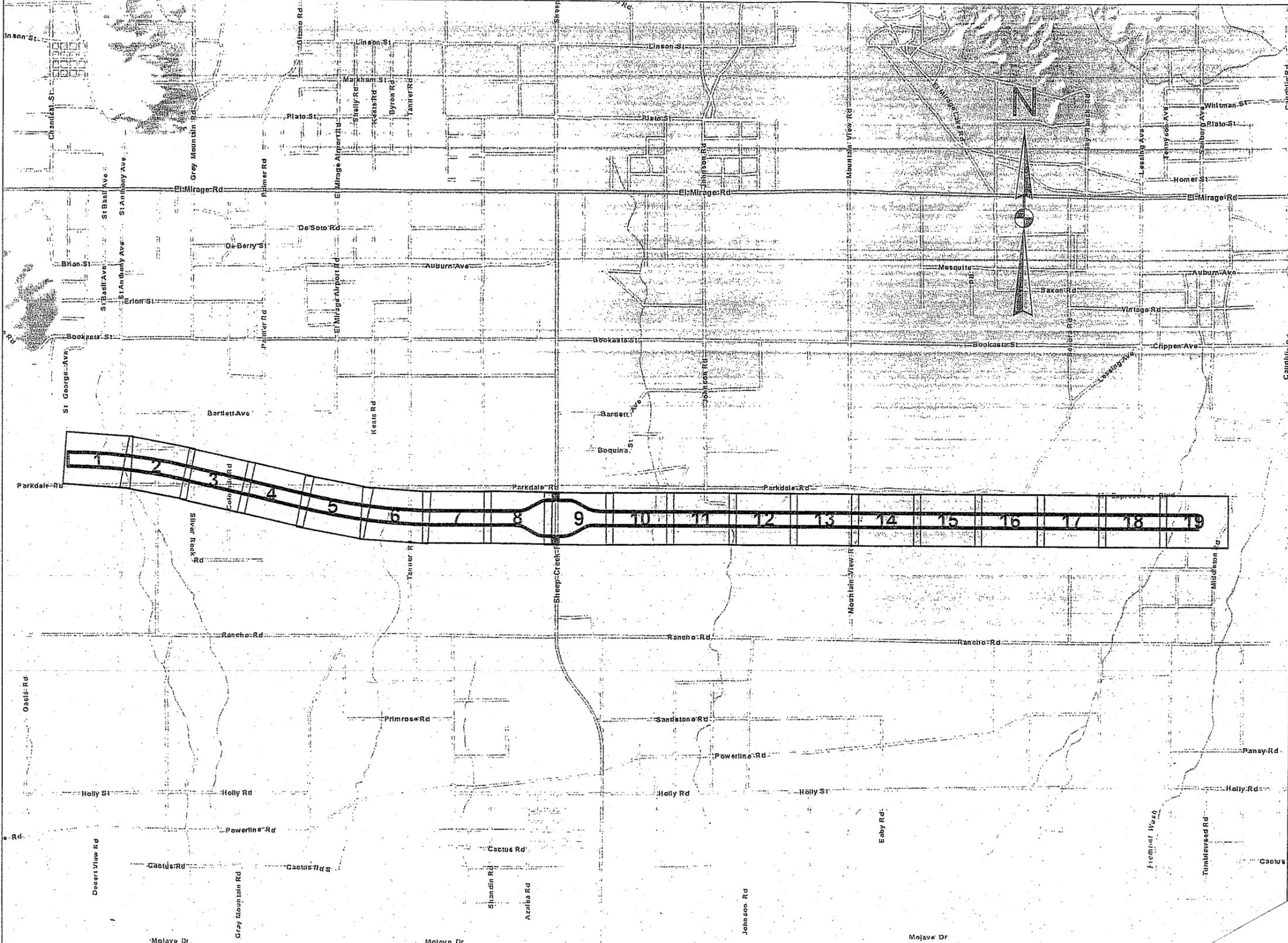
Appendix 1

Site Vicinity Map of Alternative Route through Krey Field, and location of the airfield on Sheets 11, 12 and 13.



HDC SEGMENT 6C

Sheet
Date: 7/3/2013



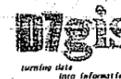
Sheets Index

Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox, TomTom, 2013.

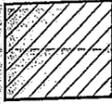


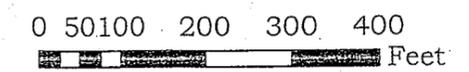
HDC SEGMENT 6C

Sheet 1
Date: 7/3/2013



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-  Proposed RW

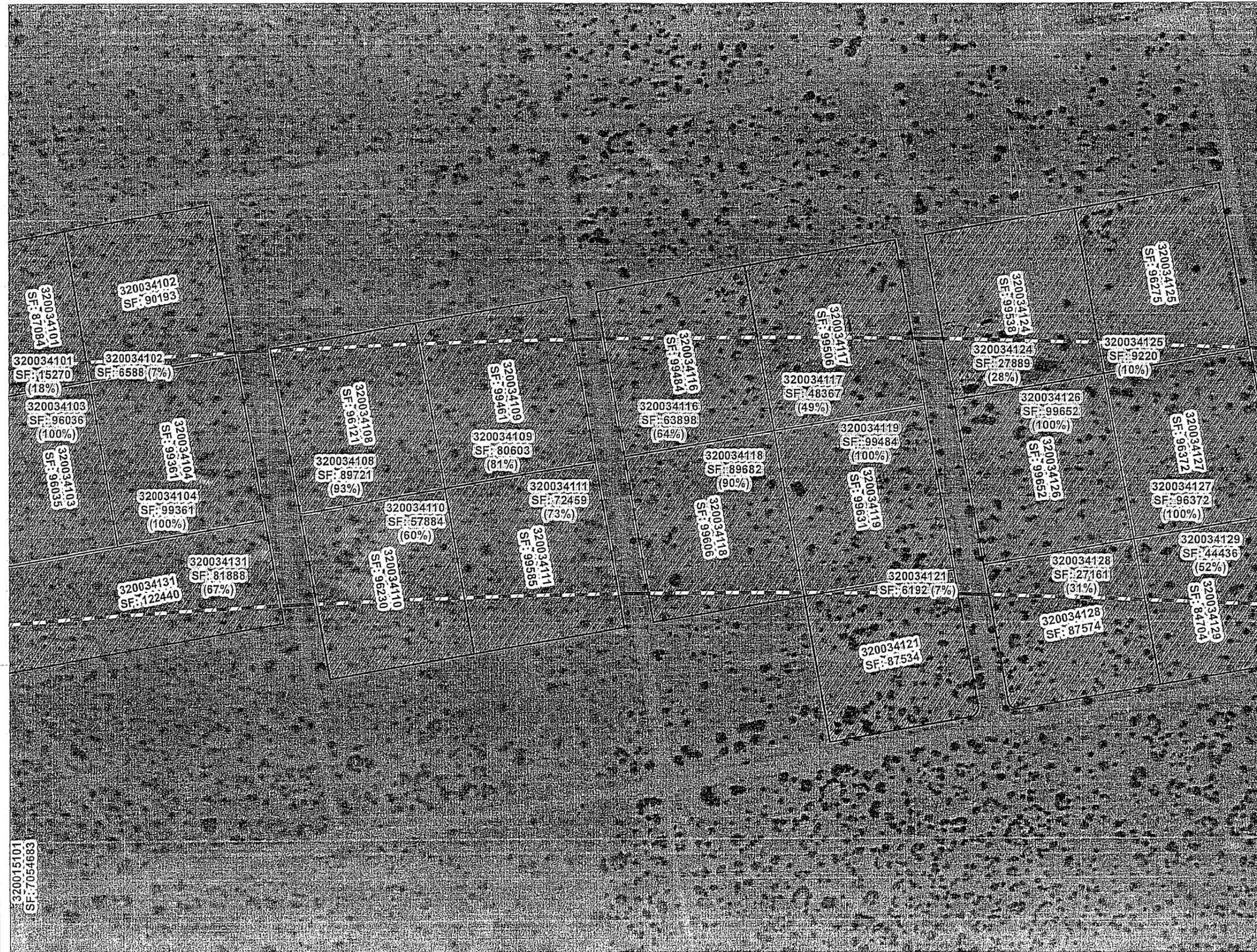


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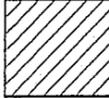
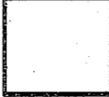


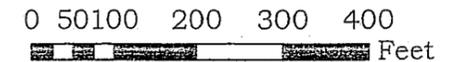
HDC SEGMENT 6C

Sheet 2
Date: 7/3/2013



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-  Parcels Take
-  Proposed RW

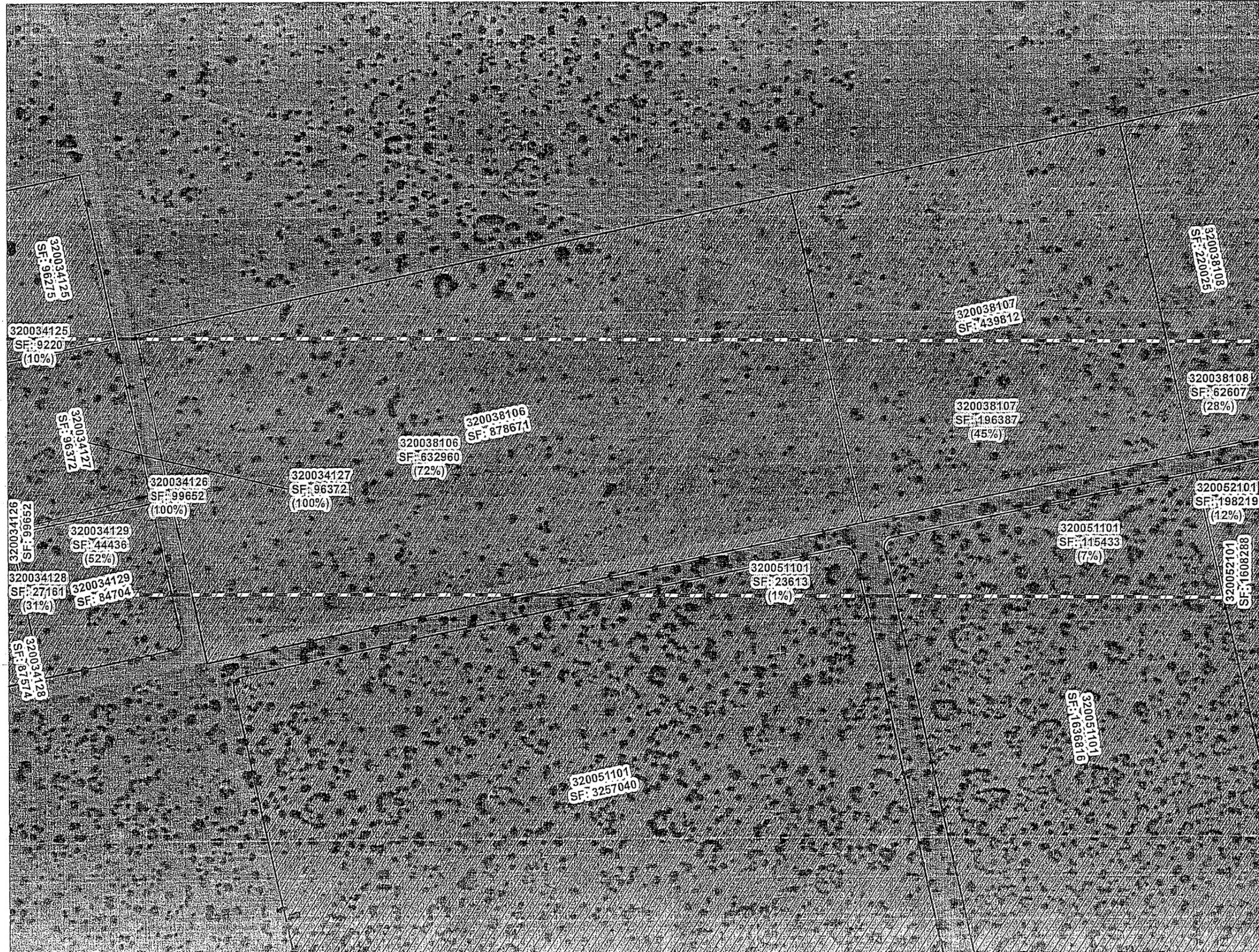


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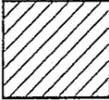


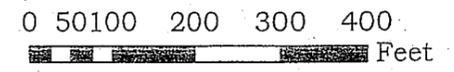
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Sheet 3
Date: 7/3/2013



Legend

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-  Parcels Take
-  Proposed RW



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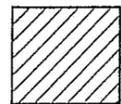


HDC SEGMENT 6C

Sheet 4
Date: 7/3/2013



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-  Parcels Take
-  Proposed RW

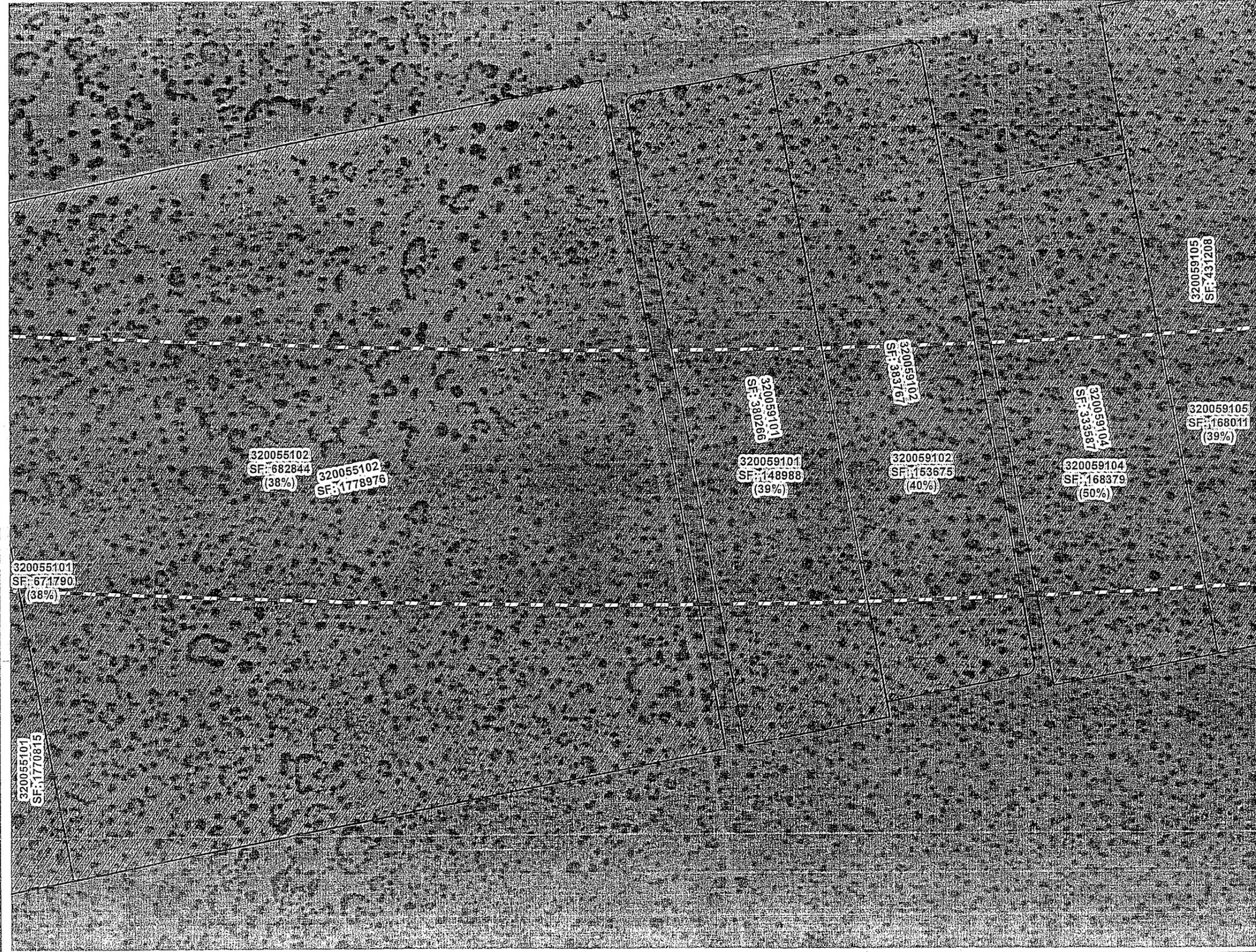
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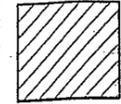


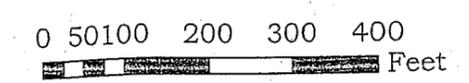
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Sheet 5
Date: 7/3/2013



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-  Parcels Take
-  Proposed RW



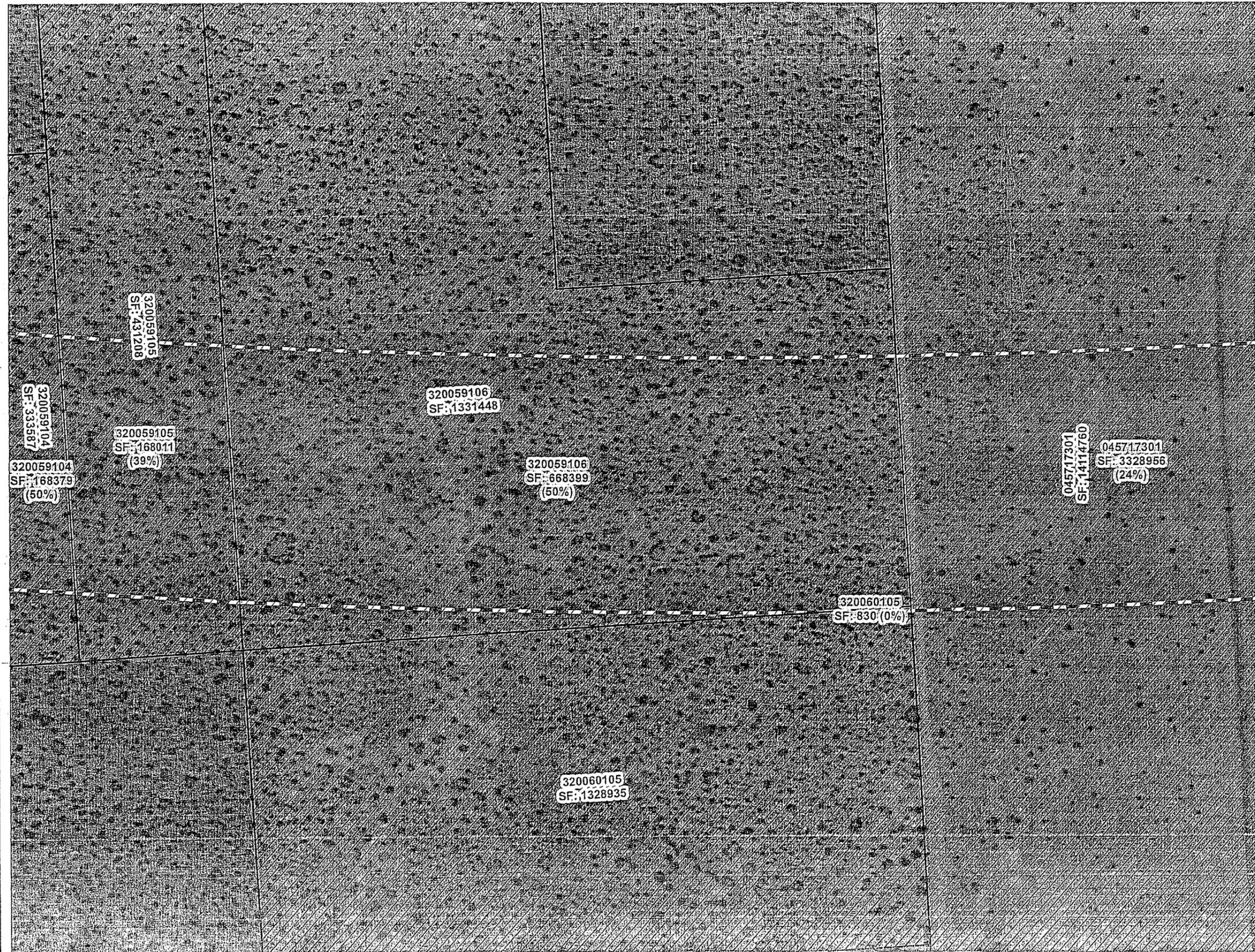
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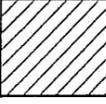
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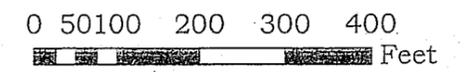
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Date: 7/3/2013



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-  Parcels Take
-  Proposed RW

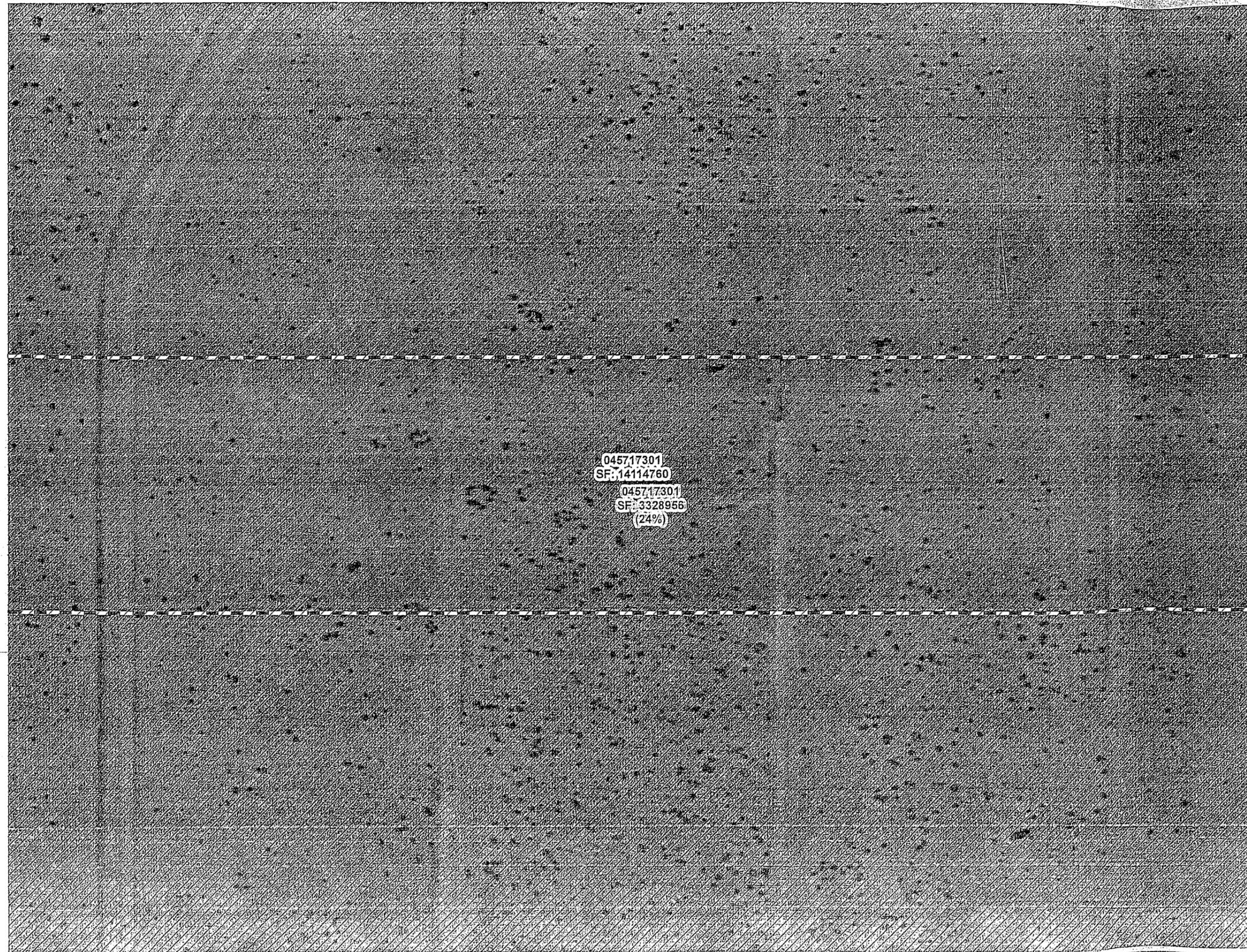


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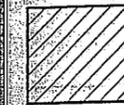
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Sheet 7
Date: 7/3/2013



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Parcels Affected

Parcels Take



Proposed RW

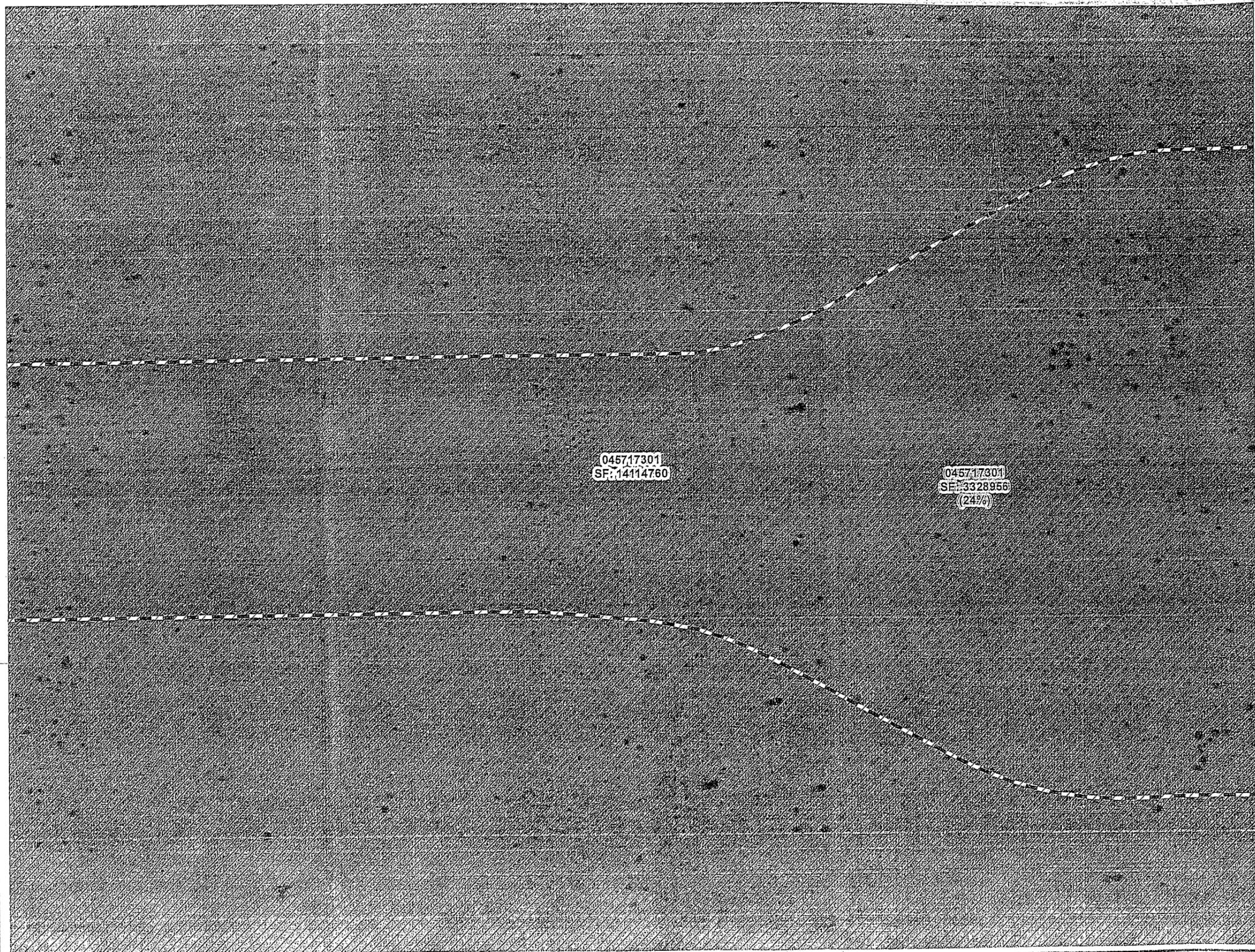
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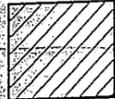


HDC SEGMENT 6C

Sheet 8
Date: 7/3/2013



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-  Parcels Take
-  Proposed RW

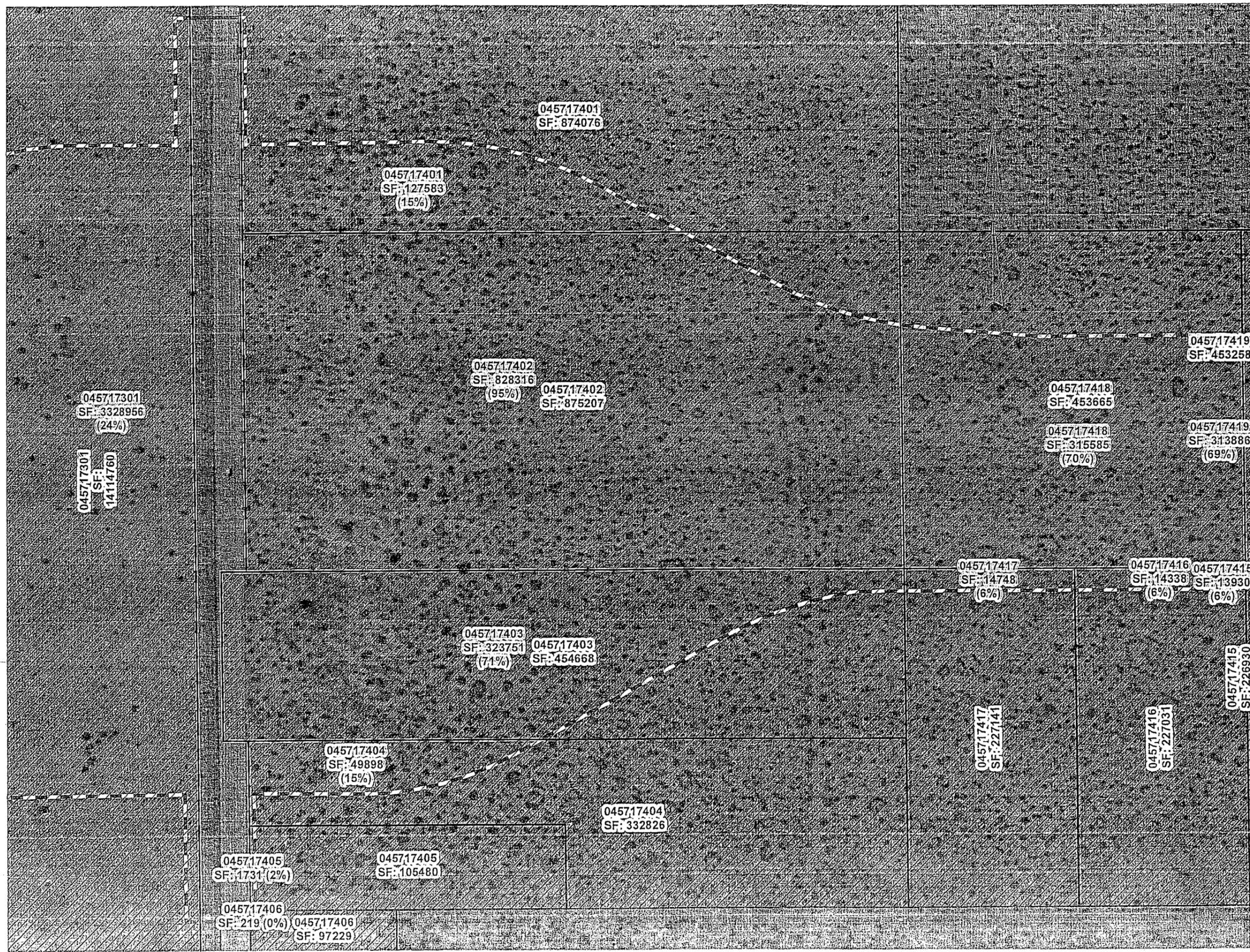
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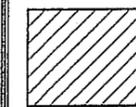


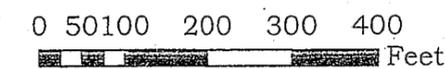
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Sheet 9
Date: 7/3/2013



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-  Proposed RW



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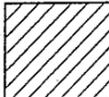


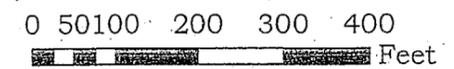
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Date: 7/3/2013



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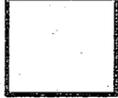


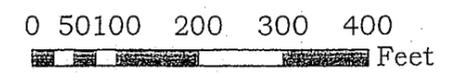
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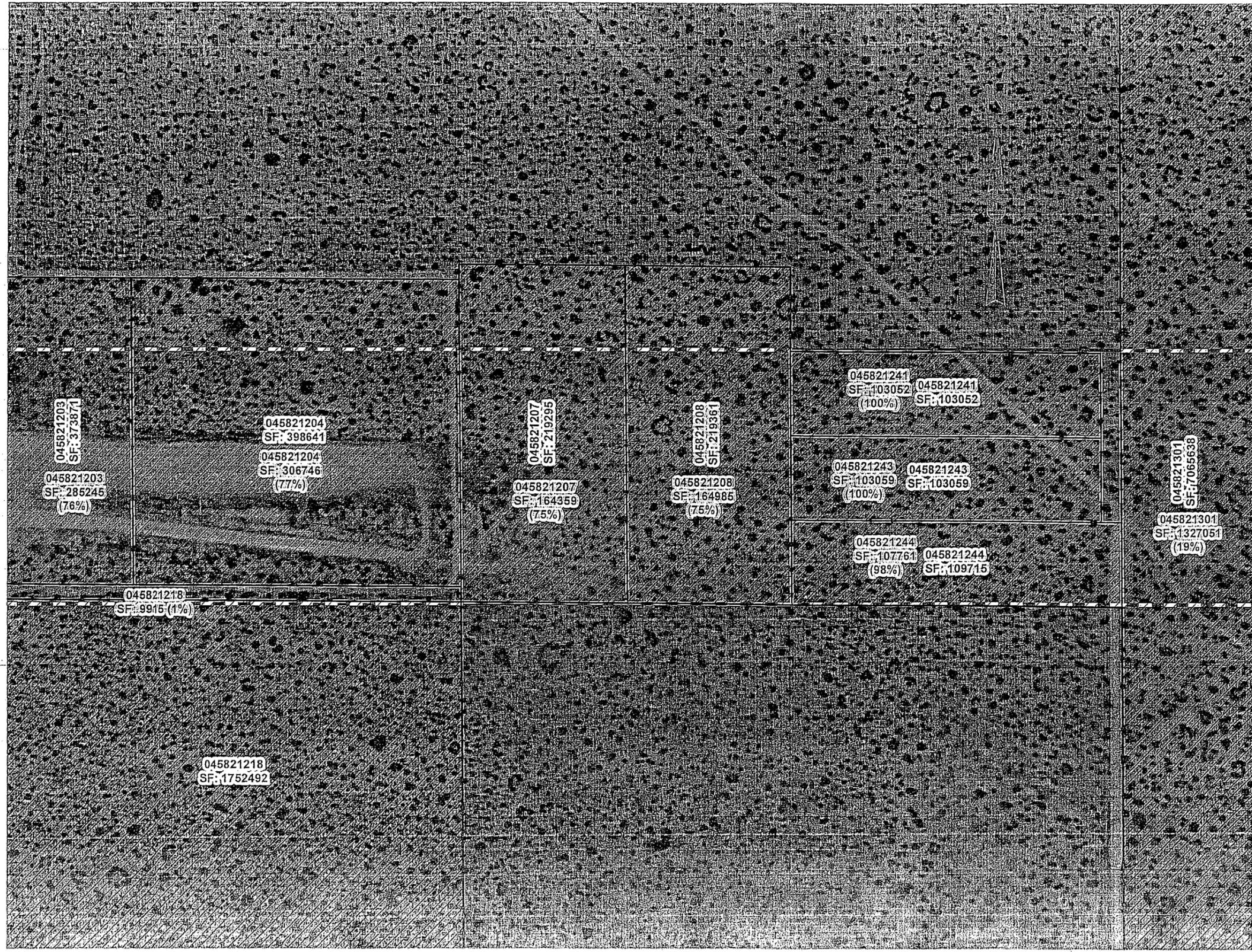


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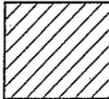


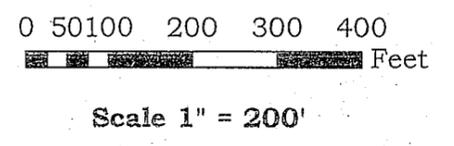
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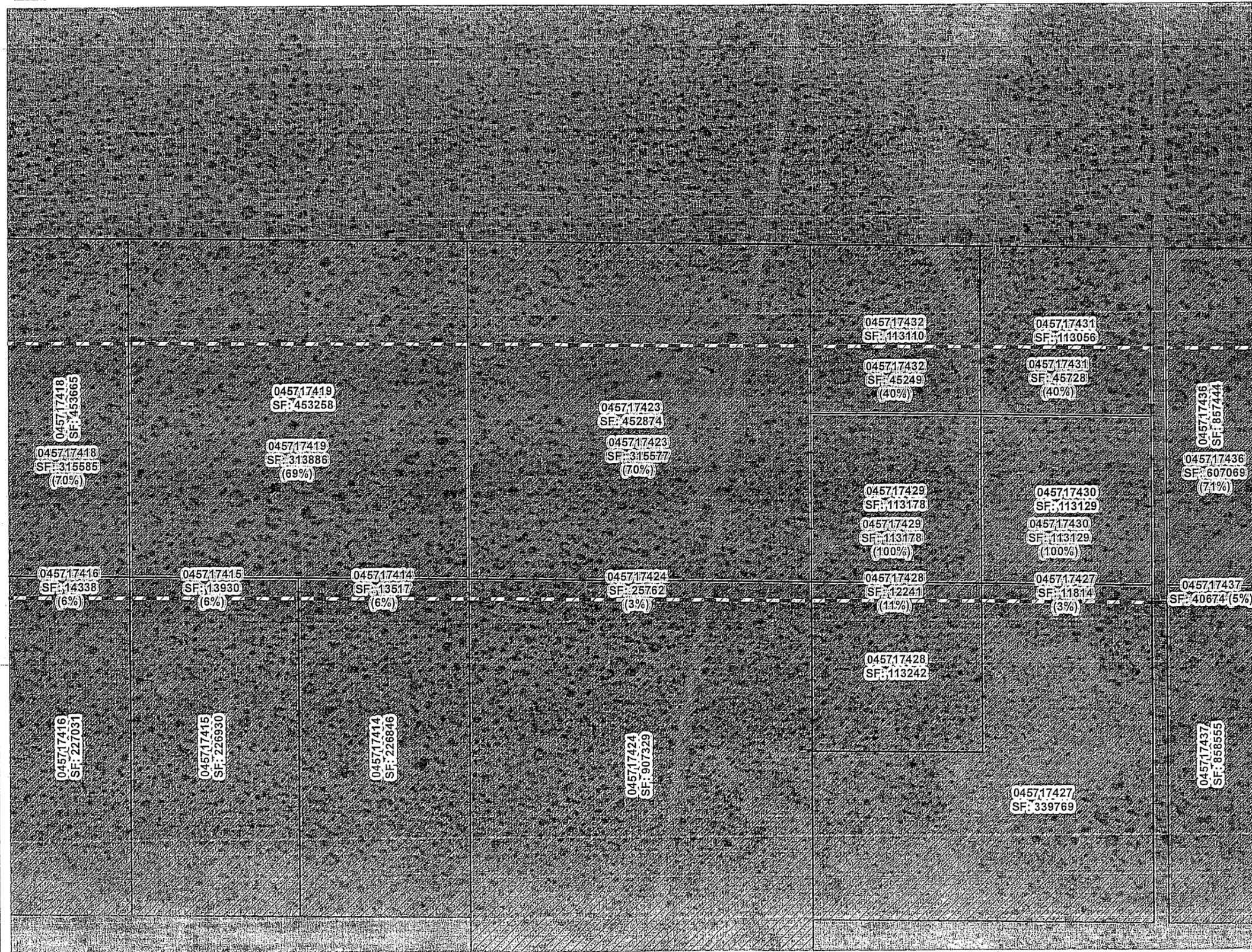
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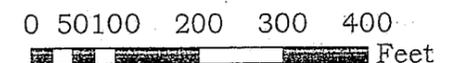
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- Parcels Take
- Proposed RW

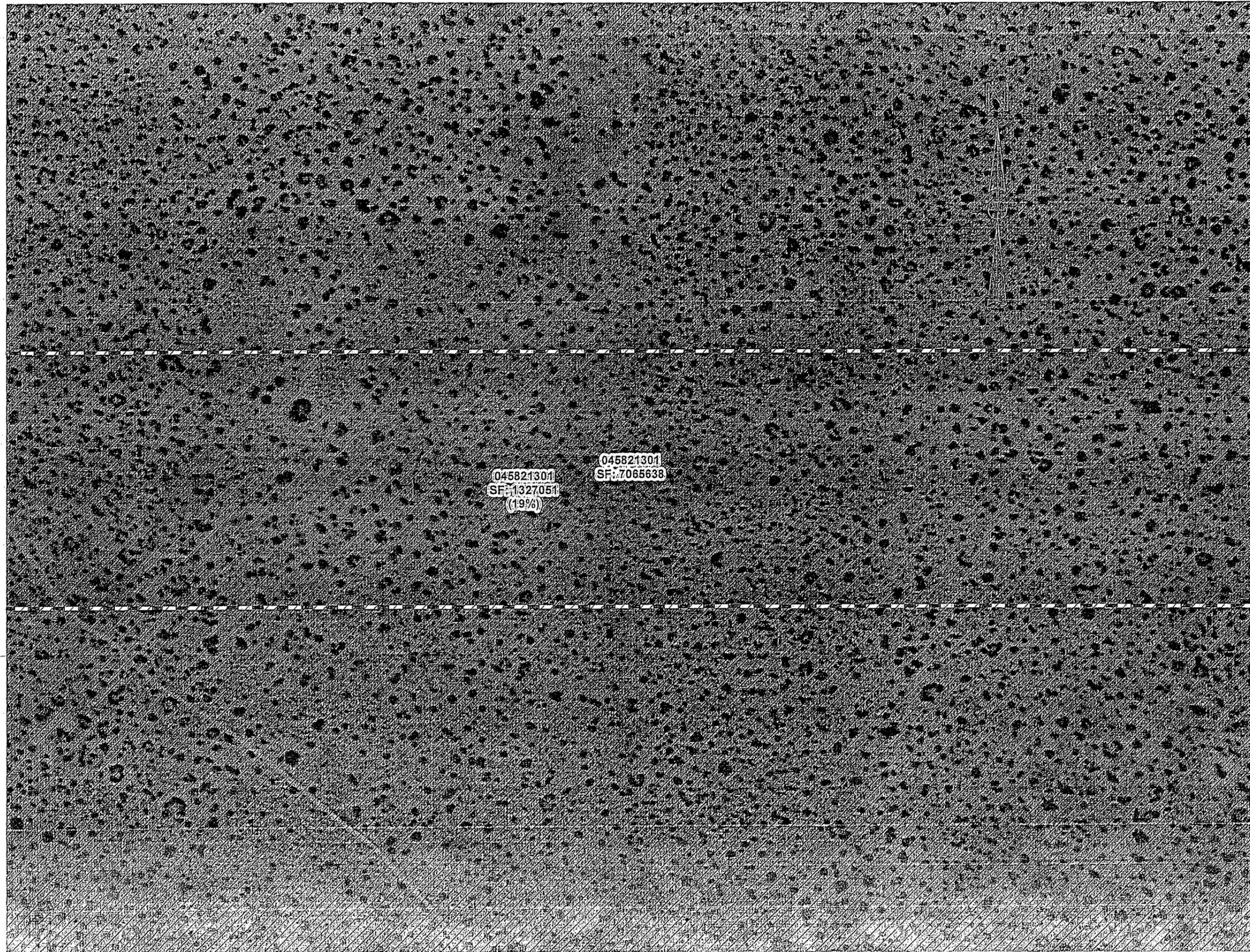


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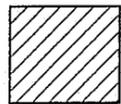


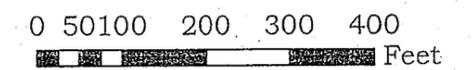
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Date: 7/3/2013



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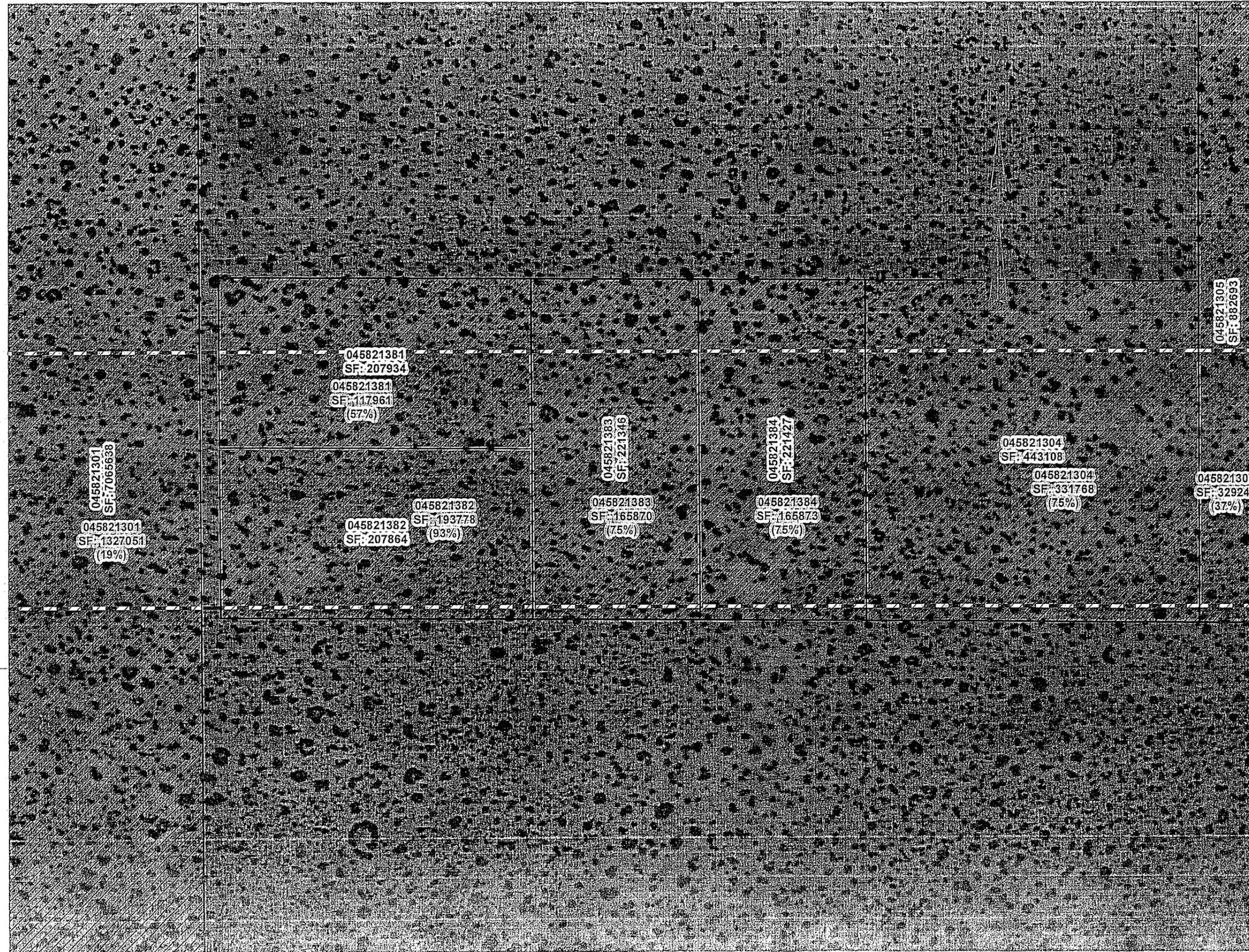


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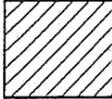
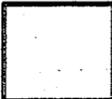


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Date: 7/3/2013



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-  Proposed RW

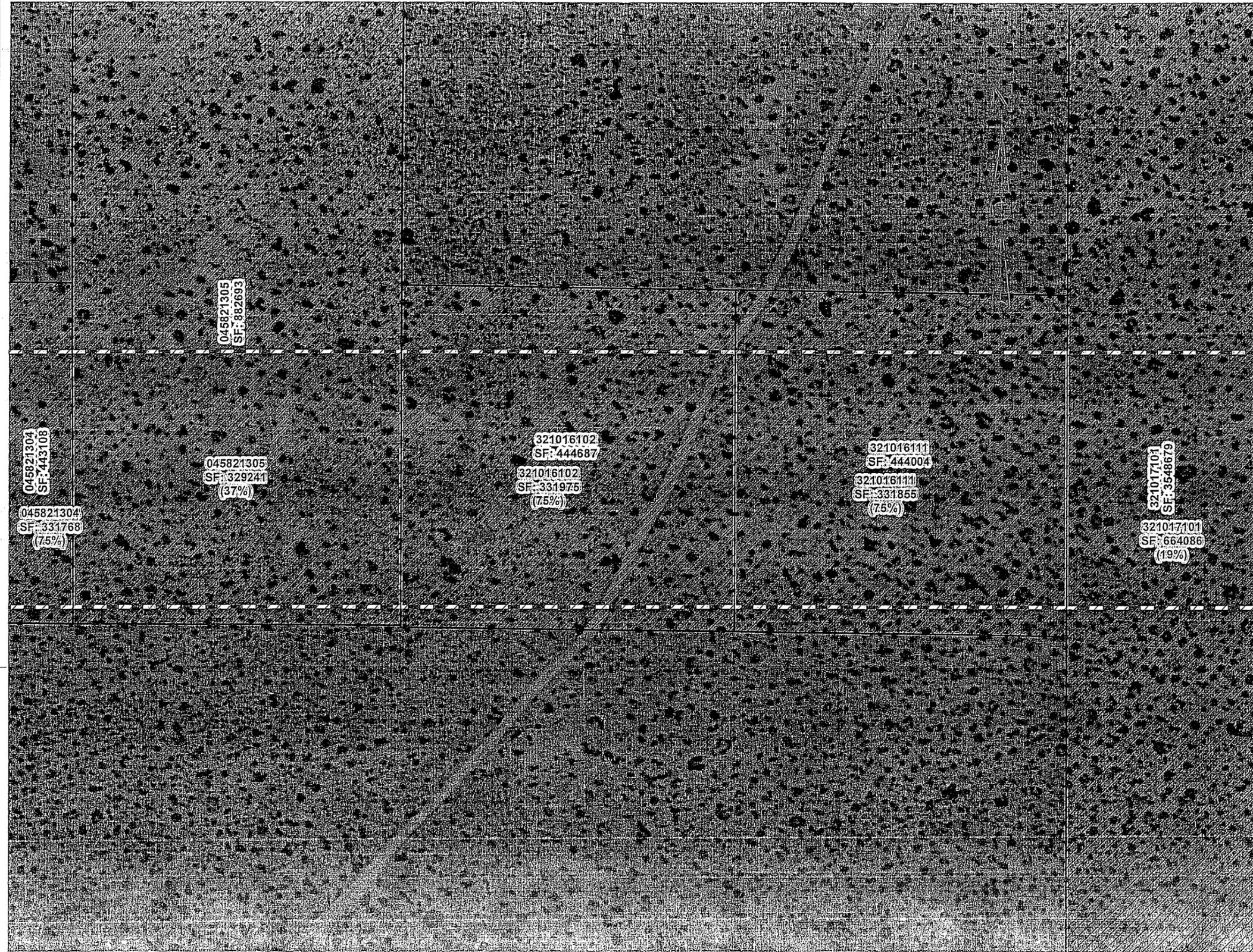
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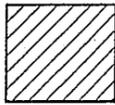


HDC SEGMENT 6C

Sheet 16
Date: 7/3/2013



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-  Parcels Take
-  Proposed RW

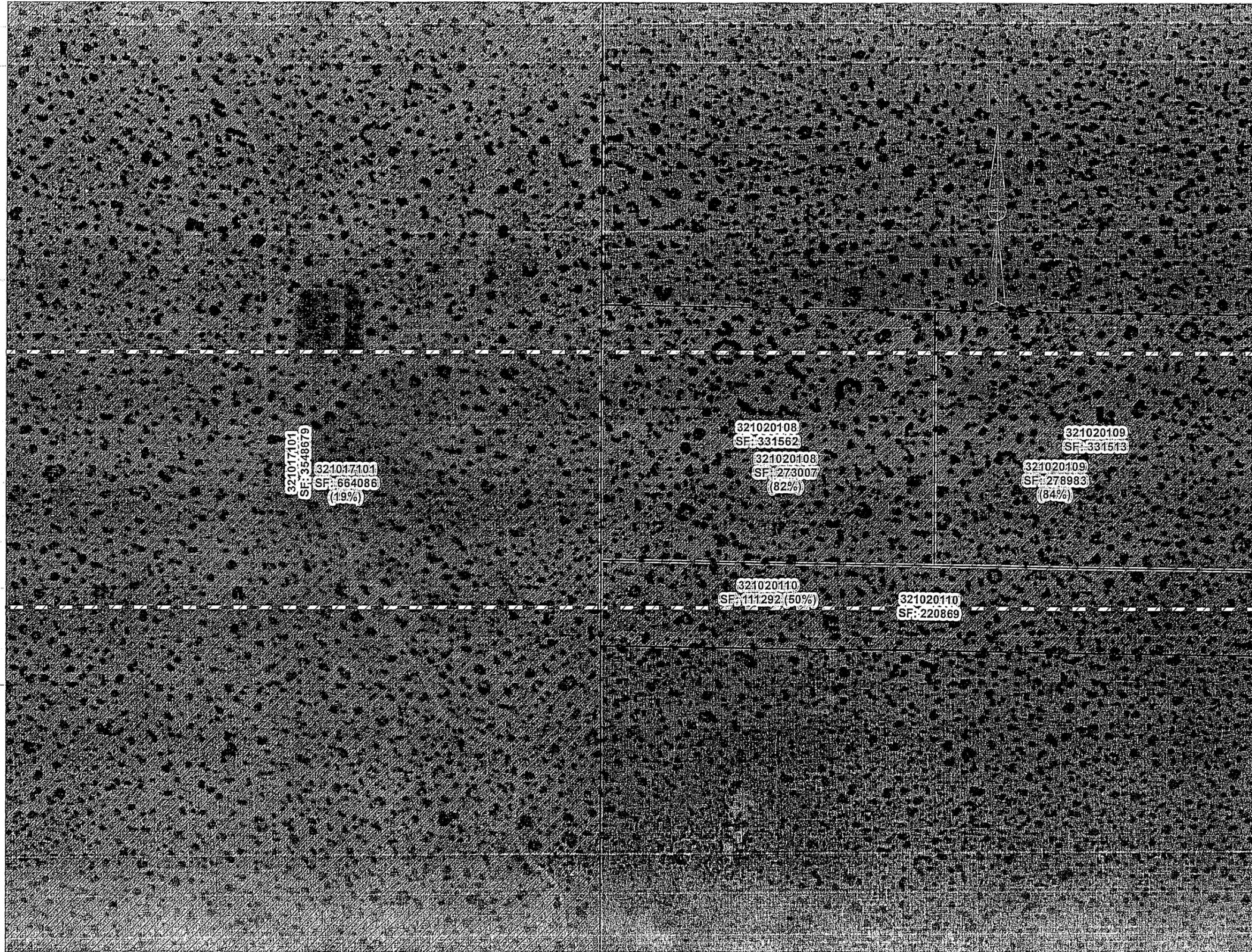
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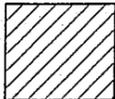


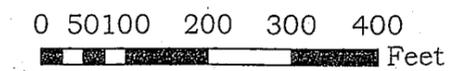
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Sheet 17
Date: 7/3/2013



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-  Parcels Take
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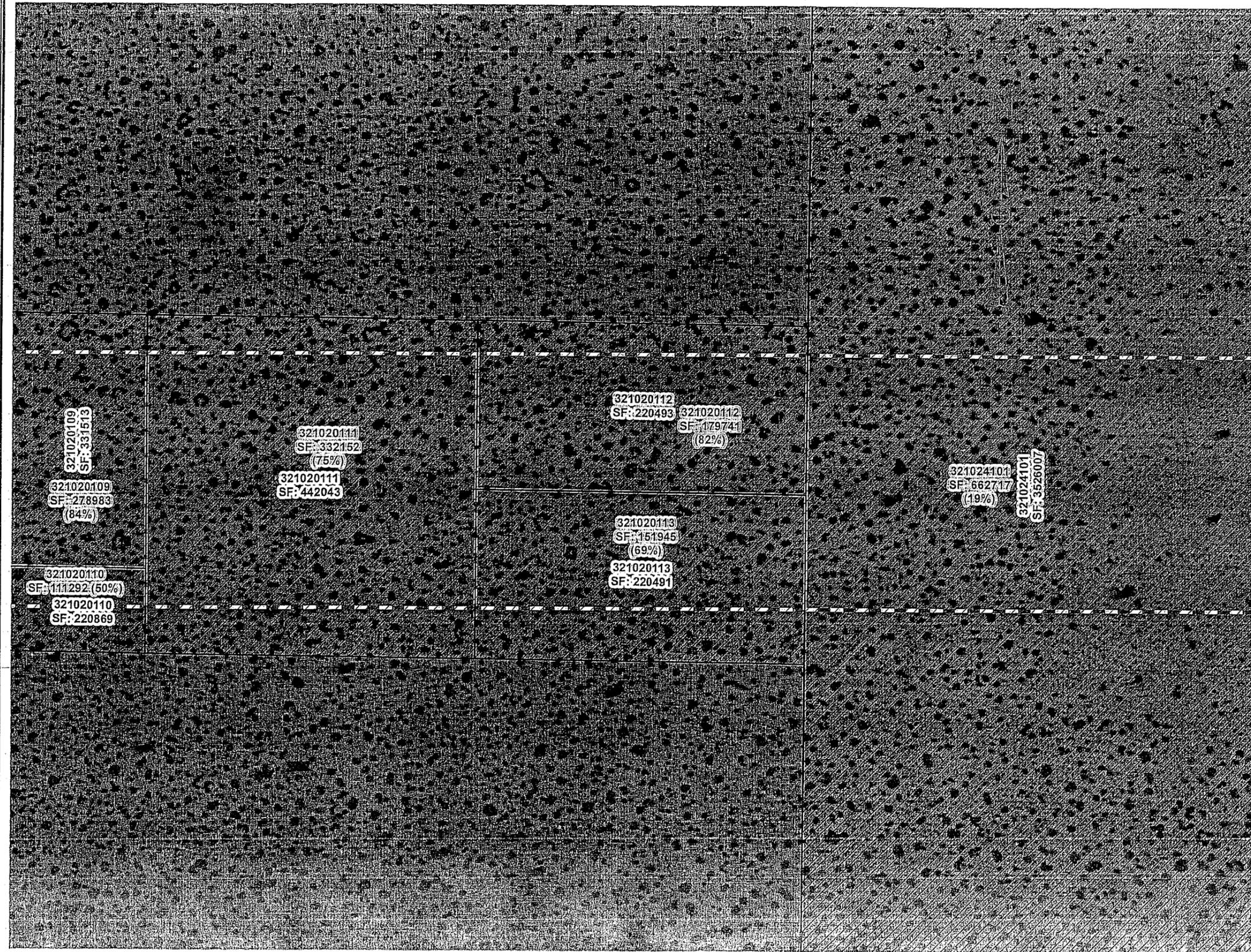


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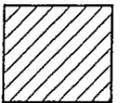


HDC SEGMENT 6C

Sheet 18
Date: 7/3/2013



Legend

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-  Parcels Take
-  Proposed RW

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321020109
SF: 278983
(84%)

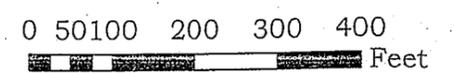
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(7.5%)
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SF: 442043

321020112
SF: 220493
321020112
SF: 179741
(82%)

321024101
SF: 662717
(19%)
321024101
SF: 3526007

321020113
SF: 151945
(69%)
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SF: 220491

321020110
SF: 111292 (50%)
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SF: 220869



Scale 1" = 200'



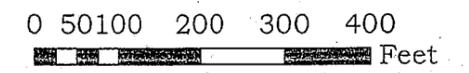
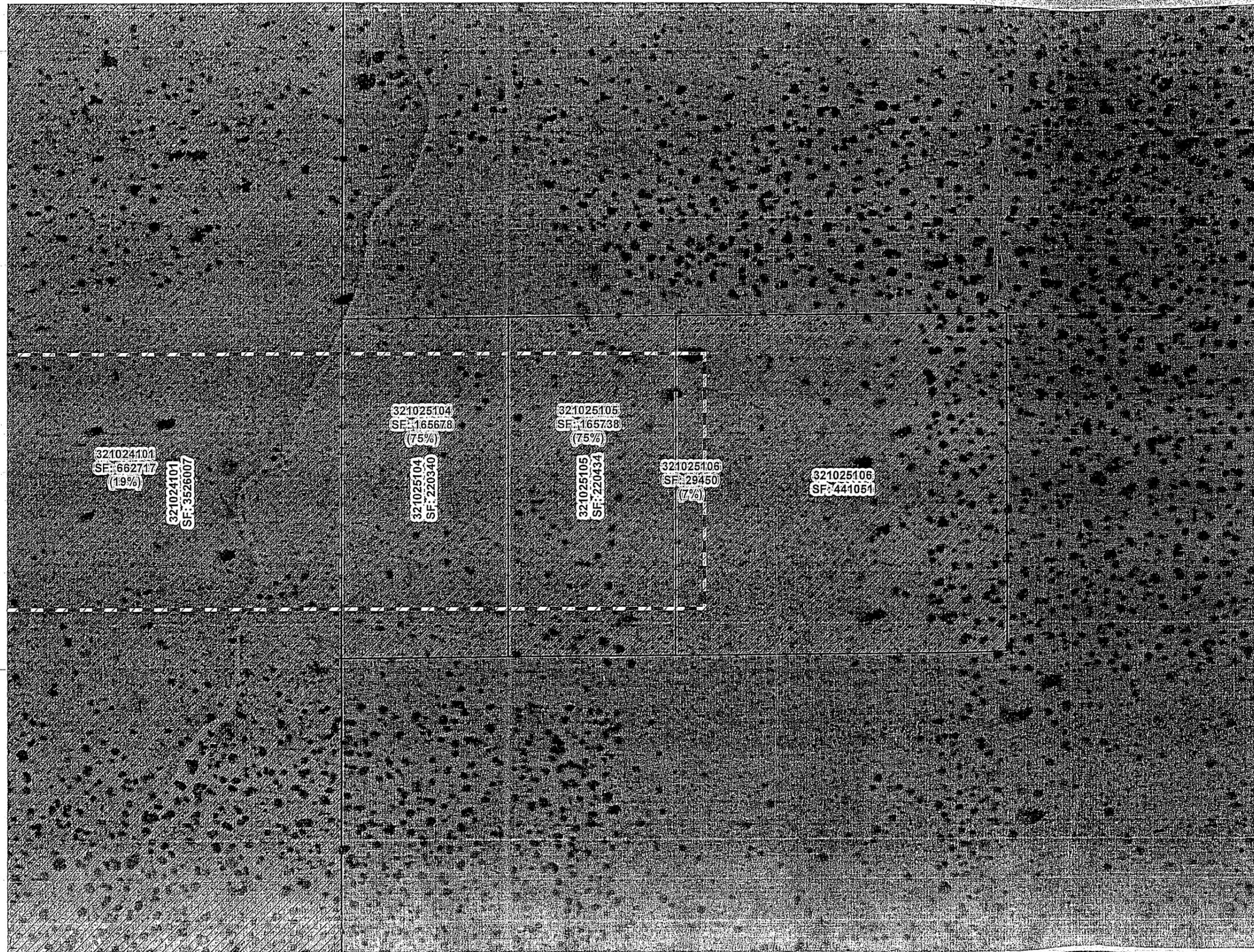
HDC SEGMENT 6C

Sheet 19
Date: 7/3/2013



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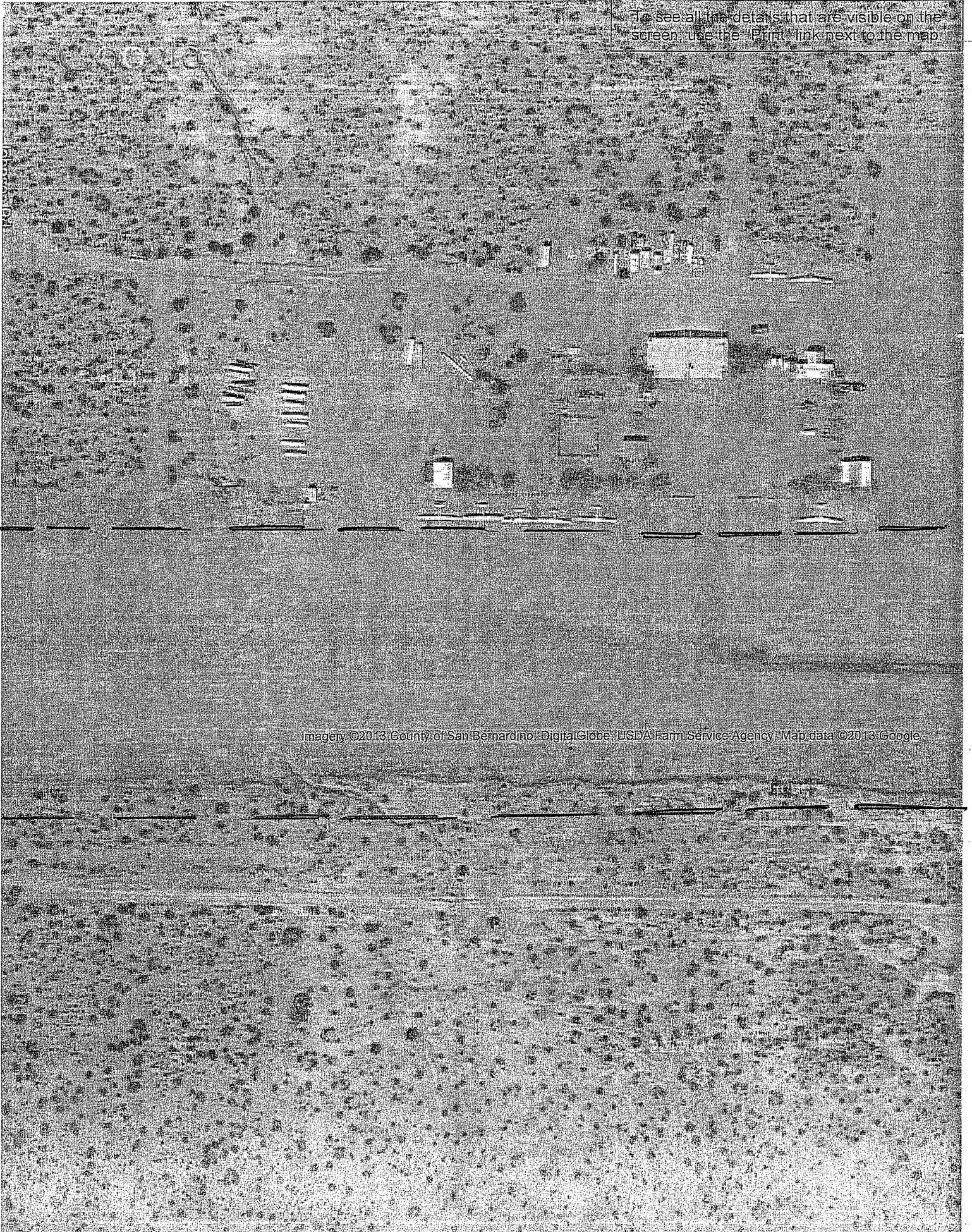
-  Parcels Affected
-  Parcels Take
-  Proposed RW



Scale 1" = 200'

Appendix 2

Site Aerial Photo of Alternative Route through Krey Field's runway and its airplane service facilities, north of it.



To see all the details that are visible on the screen, use the "Print" link next to the map.

Imagery ©2013 County of San Bernardino, DigitalGlobe, USDA Farm Service Agency, Map data ©2013 Google

Appendix 3

Site Aerial Photo and the original route through Former Meadowbrook Dairy Farm.

HIGH DESERT CORRIDOR
POTENTIAL HAZARDOUS WASTE SITE

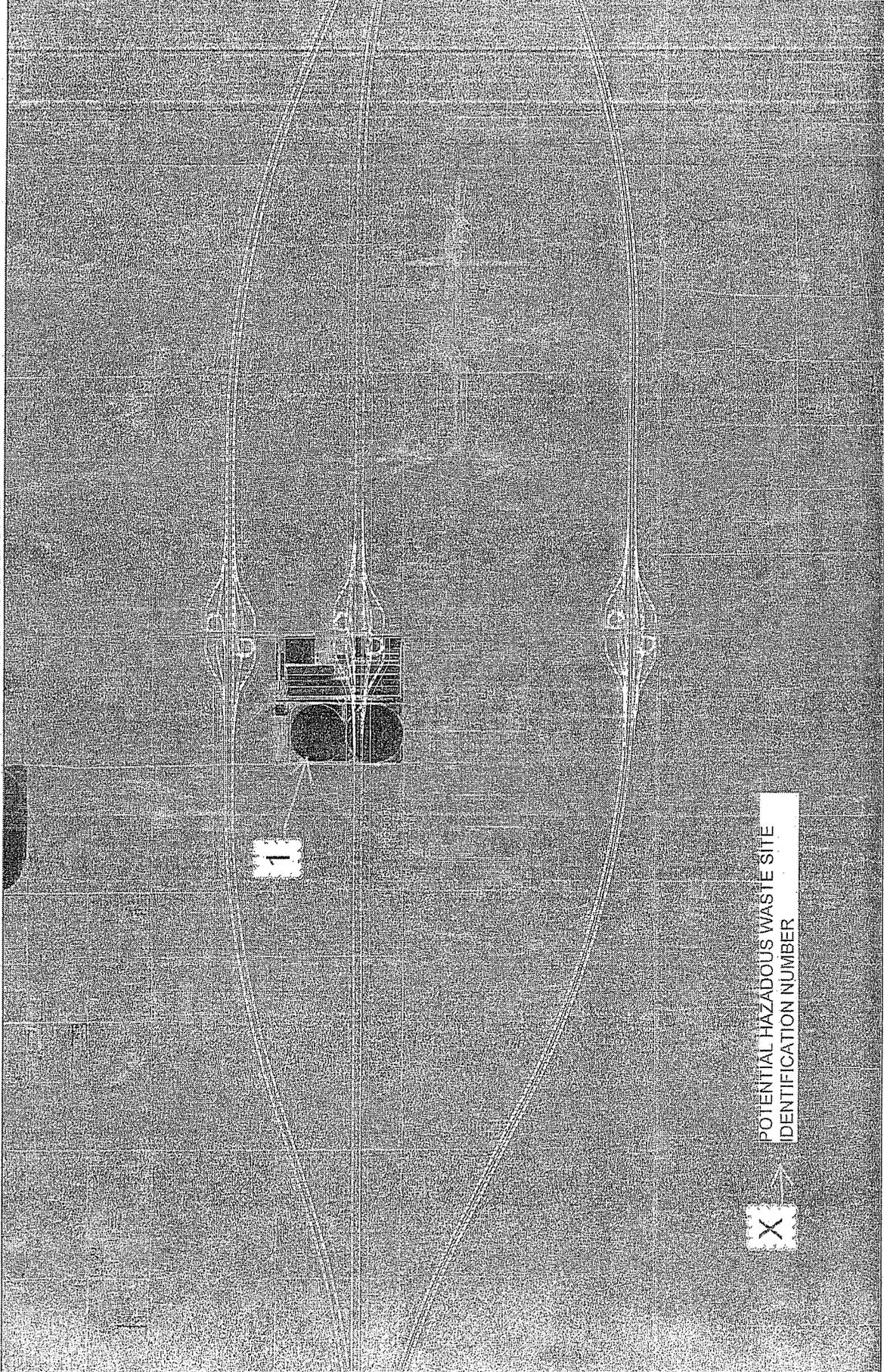


FIGURE 2



Imagery ©2013, County of San Bernardino, DigitalGlobe, USDA Farm Service Agency, Map data ©2013, Google