Trans Associates

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Memo

To: **Steve Feller, Manager**

From: **Michael Mudry, P.E., PTOE**

Date: January 7, 2010

Re: School Zone Parking Signage Recommendations (Revised)

Attached is our revised report outlining the recommended school sign changes. The report has been slightly modified since our last report dated September 3, 2009. Changes were made to the signs at Foster Elementary to conform to those signs at the other elementary schools.

Attached is our report summarizing our findings and recommendations at each elementary school (including Jefferson Middle School since it is attached to the elementary school). Each school is summarized individually with the following information:

- existing parking ordinance regulations adjacent to the school
- existing parking signage
- recommendations
- ordinance changes

Attached to this report are signage plans for each school. These signage plans do not show all traffic signs; only those signs which are relevant to the parking regulations.

Most of these recommendations will require a change to the Municipal Ordinance. An overall summary of the required ordinance changes can be found at the end of this memo.

Lincoln Elementary

Existing Parking Ordinance

Ralston Place

- No parking 8:15-8:45AM school days in front of Lincoln School pick up and drop off only
- No stopping or standing east side from Beverly Road to School Entrance
- No Parking during school hours 8AM – 6PM M-F west side from Volta Way to Akron Avenue.

Existing Signage

The No Parking 8:15-8:45AM School Days are in place but the No Stopping or Standing signs are missing along the east side of the street. Also, the west side of the street is signed No Stopping Standing or Parking at all times from Volta Way to Akron Avenue, which conflicts with the current ordinance.

Our observations show that outside the restricted times, people from the business district are parking in front of the school to avoid parking at meter locations. The intent of the No Parking lane in front of the school is to keep a free flowing lane for drop offs and pick ups. Also, there is limited street frontage at Lincoln Elementary for emergency vehicle access.

Recommendation

Replace the No Parking 8:15-8:45 AM and No Stopping/Standing area with a full-time No Parking except School Drop-off and Pick-up/5 Minutes Only zone in front of the school similar to the signs used in front of Jefferson and Markham. This will permit student loading/unloading with a reasonable time limit. Also, based upon our review of the ordinance for Ralston Place, the text should be completely rewritten to reflect the existing signage.

Ordinance Changes

With the exception of the new No Parking except School Drop Off and Pick-up/5 minutes signs, the revised ordinance is only a text clarification to match existing parking signs currently in place along Ralston Place. The traffic ordinance for Ralston Place would be completely revised as follows:

Ralston Place

Metered parking west side from Beverly Road to Volta Way

Parking time limited 9AM – 6PM, except Sunday
Two Hours, west side from Beverly Road to Volta Way

No stopping standing or parking west side from Volta Way to Akron Avenue

No parking except school drop off and pick-up/5 minutes only
east side from Beverly Road to Akron Avenue

No parking any time
west side from Akron Avenue to Bower Hill Road

Parking time limited 8AM – 6PM except Sunday and Holidays
One hour, east side from Akron Avenue to McCully Street

Parking time limited 8AM – 4:30PM except Sunday
Three Hours, east side from McCully Street to Bower Hill Road

No parking 4:30PM – 6:30PM except Sunday
east side from McCully Street to Bower Hill Road.

Traffic control signal at Beverly Road

Stop sign at Bower Hill Road

15 MPH school zone during permitted times from Beverly Road to Bower Hill Road

Jefferson Elementary/Middle School

Existing Parking Ordinance

Moffett Street

- Parking prohibited all times, west side for entire length except school loading zone.
- School loading zone, no parking school hours, west side from Bower Hill Road to north property line of Jefferson School.
- Parking prohibited all times, east side from Bower Hill Road to north property line of 24 Moffett Street except on Sunday from 7AM – 1PM
- Parking prohibited all times, Bower Hill Community Church between church driveways

Ruth Street

- Parking prohibited at all times east side from Bower Hill Road to Pinoak Road except for a student pick up/drop off area on the easterly side of Ruth, 10 feet north of Jefferson school exit driveway extending 165'.

Existing Signage – Existing signs on Moffett and Ruth read No Parking Except School Drop-off/Pick-up 5 Minutes. This signs were installed within the last 2 years. There are several conflicts between the existing signage and the ordinance along the east side of Moffett Street.

Recommendation – To further reinforce the parking regulations, we recommend adding Unattended Vehicles Will Be Ticketed signs under the existing parking signs on both Moffett Street and Ruth Street. Also, the ordinance should be completely rewritten for Moffett Street to match the existing signage.

Ordinance Changes

The revised ordinance is only a text clarification to match existing parking regulation signs currently in place. The traffic ordinance for Moffett Street would be completely revised as follows:

Moffett Street

Parking prohibited at all times:
west side for entire length except where signed as a school loading zone

east side from Bower Hill Road to north property line of 20 Moffett Street

School loading zone no parking except school drop off and pick-up/5 minutes only
west side loading lane in front of Jefferson Middle School where signed

No parking/stopping except Sunday from 7AM-1PM
east side from north property line of 20 Moffett Street to point located opposite the south driveway for Jefferson Middle School

No stopping standing parking any time
both sides between Jefferson Middle School driveways

15 MPH school zone during permitted times from Bower Hill Road to Pinoak Road

One handicap parking space as signed west side at Jefferson Middle School Entrance

Hoover Elementary

Existing Parking Ordinance

Robb Hollow Road

- parking is prohibited during school hours 8A-4P except Sundays west side from Bower Hill to Sylvandell Drive except where other restrictions are posted.
- Parking is prohibited between the entrance and exit drive to Hoover School.
- Two hour parking is permitted on west side of Robb Hollow from 5A-5P except Sunday from Bower Hill to Larchdale.

Larchdale Drive

- Two hour parking 5A-5P except Sunday on the east side from Robb Hollow to Lakemont
- No parking on the west side from Robb Hollow to Pinewood.

Existing Signage – The Two Hour Parking signs on Robb Hollow do not extend from Bower Hill to Larchdale as per the ordinance. There is one conflicting parking sign on Robb Hollow in front of the school. There is a conflicting No Parking 8-9A sign on Larchdale. There are No Parking Except School Loading signs on the west side of Larchdale near Robb Hollow, which do not comply with the ordinance.

Recommendation – On Robb Hollow, relocate the southern end of the two hour parking restriction to the beginning of the curb parking lane. Remove the conflicting parking sign on Robb Hollow in front of the school. To further reinforce the parking regulations, we recommend adding Unattended Vehicles Will Be Ticketed signs under the existing parking signs on Robb Hollow Road. Remove the conflicting No Parking 8-9A sign on the east side of Larchdale. Remove the No Parking Except School Drop Off along the west side of Larchdale and sign No Parking, Stopping or Standing to keep the area clear during school loading. Vehicles using both sides of Larchdale in this block cause congestion during school dismissal.

Ordinance Changes – The ordinance change to the west side of Robb Hollow Road is only a text clarification of the existing signage. No stopping or standing will be added to the no parking area on Larchdale to keep traffic flowing during school loading times. The traffic regulations would need to be changed as follows:

Revise Robb Hollow Road
Parking time limited 5AM to 5PM except Sunday
Two Hours – west side from Bower Hill Road ~~to Larchdale Drive~~ *south to the loading zone curb lane.*

One handicap parking space as signed west side at Hoover Elementary driveway

15 MPH school zone during permitted times from Bower Hill Road to south end of Hoover Elementary School property

Add Larchdale Drive
No Stopping or Standing north side from Robb Hollow Road to Firwood Drive.

Markham Elementary

Existing Parking Ordinance – Beadling Road parking is prohibited during school hours in the school loading zone in front of Markham School.

Existing Signage – Existing signs read No Parking Except School Drop-off/Pick-up 5 minutes. This signs were installed within the last 2 years.

Recommendation – To further reinforce the parking regulations, we recommend adding Unattended Vehicles Will Be Ticketed signs under the existing parking signs on Beadling Road.

Ordinance Changes – None

Foster Elementary

Existing Parking Ordinance

Vermont Avenue

- parking is prohibited at all times on the south side, from west property line of Foster School to Woodland Drive.

Existing Signage – Existing signs read No Parking 8:15-8:45A and 3:15-3:45P in front of the school along curb parking lane. Also several No Parking signs are posted on the north side of Vermont at the mid-block crosswalk that do not comply with the ordinance.

Recommendation – To keep traffic flowing for school drop off/pickup, add No Stopping/Standing/Parking during school hours on south side of Vermont from Hoodridge Drive to Foster School. Replace the No Parking 8:15-8:45 AM and 3:15-3:45P with a full-time No Parking except School Drop-off and Pick-up/5 Minutes Only zone in front of the school similar to the signs used in front of Jefferson and Markham. Add Unattended Vehicles Will Be Ticketed to parking signs along curb parking lane in front of Foster.

Ordinance Changes – A new no stopping, standing, or parking area during school arrival/dismissal is proposed on the south side of Vermont from Hoodridge to the school to keep traffic flowing during school loading. Also, the new No Parking except School Drop Off and Pick-up/5 minutes signs are included. The traffic regulations for Vermont would be completely rewritten as follows:

Vermont Avenue

No stopping, standing or parking

south side, from Hoodridge Drive to west property line of Foster Elementary from 8:15AM to 8:45AM and 3:15PM to 3:45PM school days

south side from western property line of 719 Vermont Avenue to Woodland Drive all times

No parking except school drop off and pick-up/5 minutes only

south side from west property line of Foster Elementary to western property line of 719 Vermont Avenue

One handicap parking space as signed south side in front of Foster Elementary

One reserved school bus parking space as signed south side in front of Foster Elementary.

15 MPH school zone during permitted times from Hoodridge Drive to Woodland Drive

Howe Elementary

Existing Parking Ordinance

Broadmoor Avenue

- parking is prohibited at all times on the west side from the school loading zone to Crystal Drive and on the west side during school hours along the Howe School Loading Zone.
- One hour parking restriction for two spaces in front of MoJoe coffee 380 Broadmoor.

Anawanda Avenue

- parking is prohibited at all times on northwest side from Castle Shannon to Broadmoor.

Existing Signage – There are No Parking signs and a Permit Parking spot on the southeast side of Anawanda which conflict with the ordinance. The No Parking signs on the northwest side of Anawanda are missing. The No Parking 8-9A and 3-4P in front of Howe do not reflect the ordinance. Also, there is limited street frontage for Howe Elementary for emergency vehicle access. This plan will reduce the overall number of signs in the area.

Recommendation – Remove the conflicting No Parking and Permit Parking signs on Anawanda. Add No Parking signs on the northwest side of Anawanda in accordance with the ordinance. Remove any/all signs related to the one hour parking restriction at MoJoe Coffee on Broadmoor. Eliminate the nonconforming no parking signs in front of Howe Elementary and replace them with a full-time No Parking Fire Lane restriction. This will still permit parents to drop-off children in front of the school but will not permit people to leave their vehicle at any time. Parking is permitted across the street and on numerous side streets. Add a No Parking sign along the painted curb on Broadmoor Avenue at Audubon Avenue. Eliminate the crosswalk on Anawanda at Questand – it is not on the safe walking route.

Ordinance Changes – The ordinance change to Broadmoor Avenue is only a text clarification of the existing signage, except for the MoJoe coffee shop parking which is no longer in business at 380 Broadmoor. The traffic regulations would need to be changed as follows:

Broadmoor Avenue

Parking prohibited at all times:

(Delete) ~~west side, during school hours, Howe School loading zone~~

No parking except school drop off and pick-up/5 minutes only
west side Howe School loading zone curb lane

No Stopping Standing Parking
east side from south property line of 401 Broadmoor Avenue to Audubon Avenue.

(Delete) ~~One Hour parking restriction, two spaces starting 20' back from corner of Anawanda, in front of MoJoe Coffee 380 Broadmoor Road.~~

Washington Elementary

Existing Parking Ordinance
Lawncroft Avenue

- Parking is prohibited at all times on the north side.
- Three hour parking is permitted 8A-6P except Sunday.
- Metered parking zone on the south side.

Existing Signage – There are no parking meters on Lawncroft. The 3 hour parking signs are in place; however, there are additional parking signs that conflict with the ordinance: No Parking 7-9A, 11A-1P, 3-4P School Days and 30 Minute Parking 9-11A/1-3P School Days. This is very confusing as the school uses Lawncroft as a loading zone. The number of conflicting signs is also an issue at this location.

Recommendation – In an effort to eliminate some of the confusion with the signs on Lawncroft, we recommended removing the 30 Minute Parking signs and relocating the No Parking 7-9A, 11A-1P, 3-4P School Days signs in their place.

Ordinance Changes – The ordinance change to eliminate the meters and add the school day time restrictions are a text clarification of the existing condition. The traffic regulations would need to be changed as follows:

Lawncroft Avenue
(Delete) ~~Metered parking zones south side from Wisteria Avenue to Roselawn Avenue.~~

No parking 7-9AM, 11AM-1PM, 3-4PM school days
south side from Wisteria Avenue to Roselawn Avenue.

Summary of all recommended ordinance changes by the Traffic Board – September 2, 2009

Ralston Place [Eliminate all existing text and replace with the following]

Metered parking west side from Beverly Road to Volta Way

Parking time limited 9AM – 6PM, except Sunday
Two Hours, west side from Beverly Road to Volta Way

No stopping standing or parking west side from Volta Way to Akron Avenue

No parking except school drop off and pick-up/5 minutes only
east side from Beverly Road to Akron Avenue

No parking any time
west side from Akron Avenue to Bower Hill Road

Parking time limited 8AM – 6PM except Sunday and Holidays
One hour, east side from Akron Avenue to McCully Street

Parking time limited 8AM – 4:30PM except Sunday
Three Hours, east side from McCully Street to Bower Hill Road

No parking 4:30PM – 6:30PM except Sunday
east side from McCully Street to Bower Hill Road.

Traffic control signal at Beverly Road

Stop sign at Bower Hill Road

15 MPH school zone during permitted times from Beverly Road to Bower Hill Road

Moffett Street [Eliminate all existing text and replace with the following]

Parking prohibited at all times:
west side for entire length except where signed as a school loading zone

east side from Bower Hill Road to north property line of 20 Moffett Street

School loading zone no parking except school drop off and pick-up/5 minutes only
west side loading lane in front of Jefferson Middle School where signed

No parking/stopping except Sunday from 7AM-1PM
east side from north property line of 20 Moffett Street to point located opposite the south driveway for Jefferson Middle School

No stopping standing parking any time
both sides between Jefferson Middle School driveways

15 MPH school zone during permitted times from Bower Hill Road to Pinoak Road

One handicap parking space as signed west side at Jefferson Middle School Entrance

Robb Hollow Road [Eliminate strike through text and insert italic text]
Parking time limited 5AM to 5PM except Sunday
Two Hours – west side from Bower Hill Road ~~to Larchdale Drive~~ *south to the loading zone curb lane.*

One handicap parking space as signed west side at Hoover Elementary driveway

15 MPH school zone during permitted times from Bower Hill Road to south end of Hoover Elementary School property

Larchdale Drive [Insert italic text]
No Stopping or Standing north side from Robb Hollow Road to Firwood Drive.

Vermont Avenue [Eliminate all existing text and replace with the following]
No stopping, standing or parking
south side, from Hoodridge Drive to west property line of Foster Elementary from 8:15AM to 8:45AM and 3:15PM to 3:45PM school days

south side from western property line of 719 Vermont Avenue to Woodland Drive all times

No parking except school drop off and pick-up/5 minutes only
south side from west property line of Foster Elementary to western property line of 719 Vermont Avenue

One handicap parking space as signed south side in front of Foster Elementary

One reserved school bus parking space as signed south side in front of Foster Elementary.

15 MPH school zone during permitted times from Hoodridge Drive to Woodland Drive

Broadmoor Avenue [Eliminate strike through text and insert italic text]
Parking prohibited at all times:
~~west side, during school hours, Howe School loading zone~~

No parking except school drop off and pick-up/5 minutes only
west side Howe School loading zone curb lane

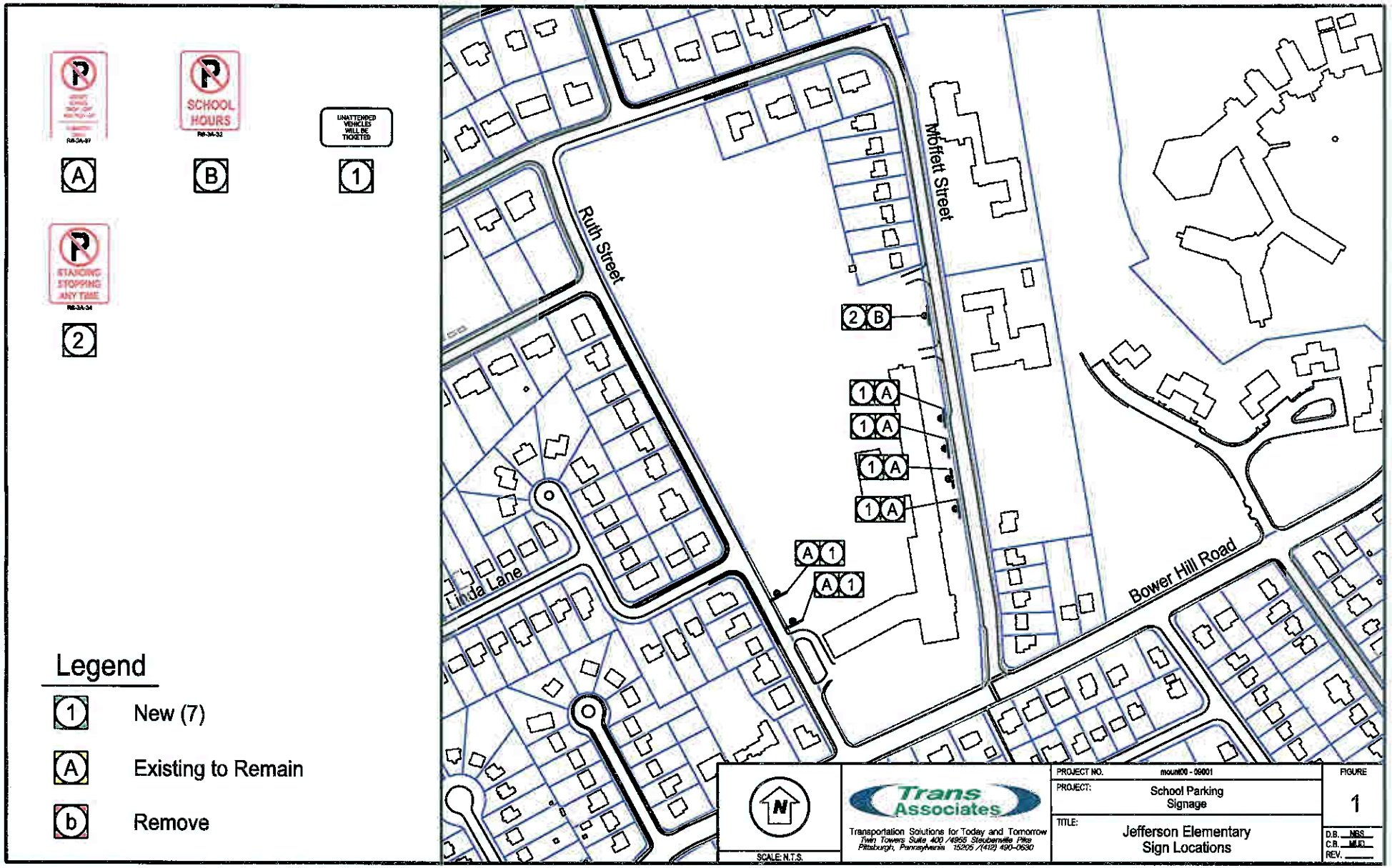
No Stopping Standing Parking

east side from south property line of 401 Broadmoor Avenue to Audubon Avenue.

~~One-Hour parking restriction, two spaces starting 20' back from corner of Anawanda, in front of MoJoe Coffee 380 Broadmoor Road.~~

Lawncroft Avenue [Eliminate strike through text and insert italic text]
~~(Metered parking zones south side from Wisteria Avenue to Roselawn Avenue.~~

No parking 7-9AM, 11AM-1PM, 3-4PM school days
south side from Wisteria Avenue to Roselawn Avenue


A
SCHOOL HOURS
B
UNATTENDED VEHICLES WILL BE TICKETED
1
STANDING STOPPING ANY TIME
2
Legend
1 New (7)
A Existing to Remain
b Remove
Ruth Street
Moffett Street
Linda Lane
Bower Hill Road
2 B
1 A
1 A
1 A
1 A
A 1
A 1
N
SCALE: N.T.S.
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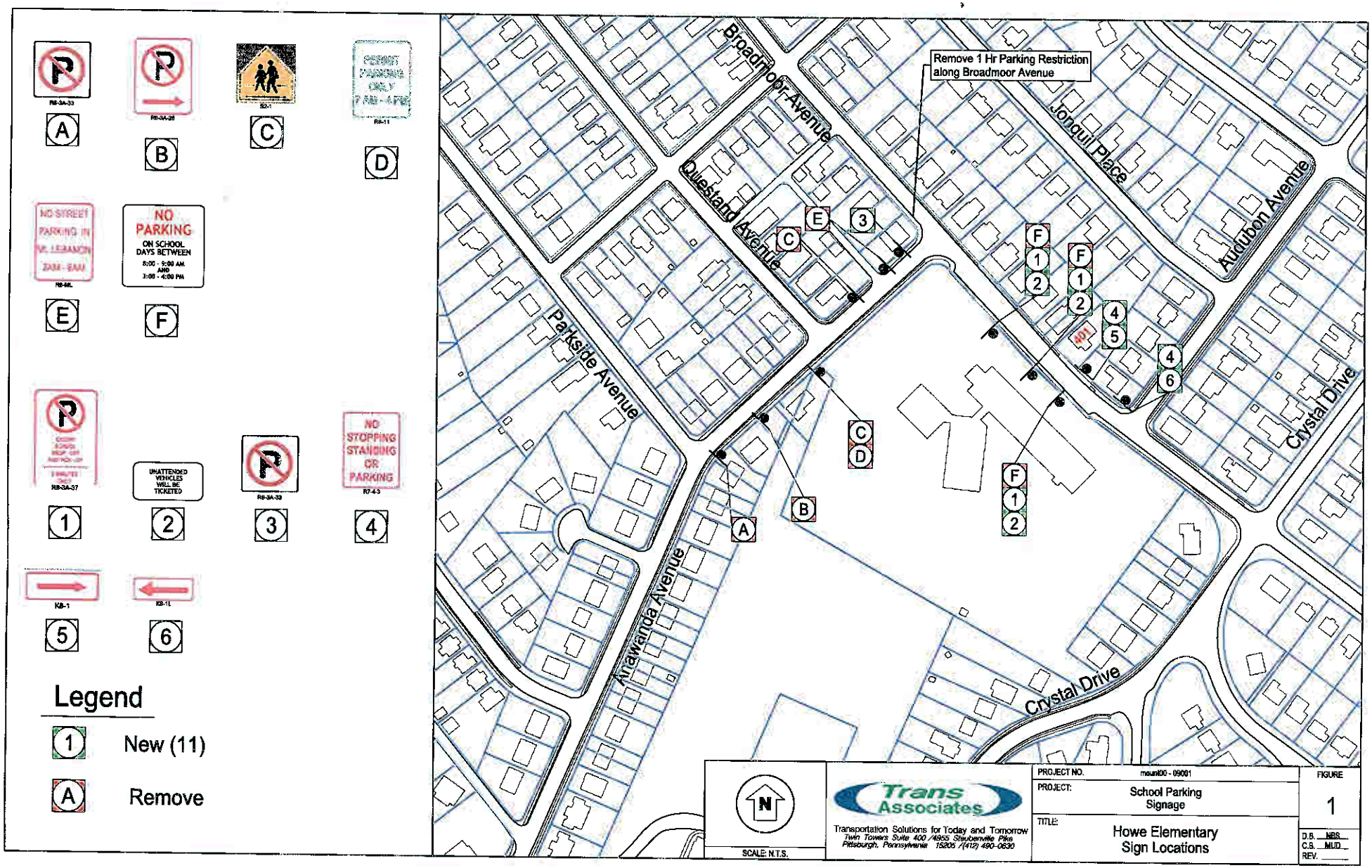
PROJECT NO. mount00 - 09001
PROJECT: School Parking Signage
TITLE: Jefferson Elementary Sign Locations
FIGURE 1
D.B. NBS
C.B. MJD
REV.


A
B
C
D
E
F
NO STREET PARKING IN MT. LEBANON 2AM - 6AM
NO PARKING ON SCHOOL DAYS BETWEEN 8:00 - 9:00 AM AND 3:00 - 4:00 PM
1
2
UNATTENDED VEHICLES WILL BE TICKETED
3
NO STOPPING STANDING OR PARKING
4
5
6
Legend
1 New (11)
A Remove
Broadmoor Avenue
Questang Avenue
Parkside Avenue
Arawanda Avenue
Crystal Drive
Jonquil Place
Audubon Avenue
Remove 1 Hr Parking Restriction along Broadmoor Avenue
N
SCALE: N.T.S.
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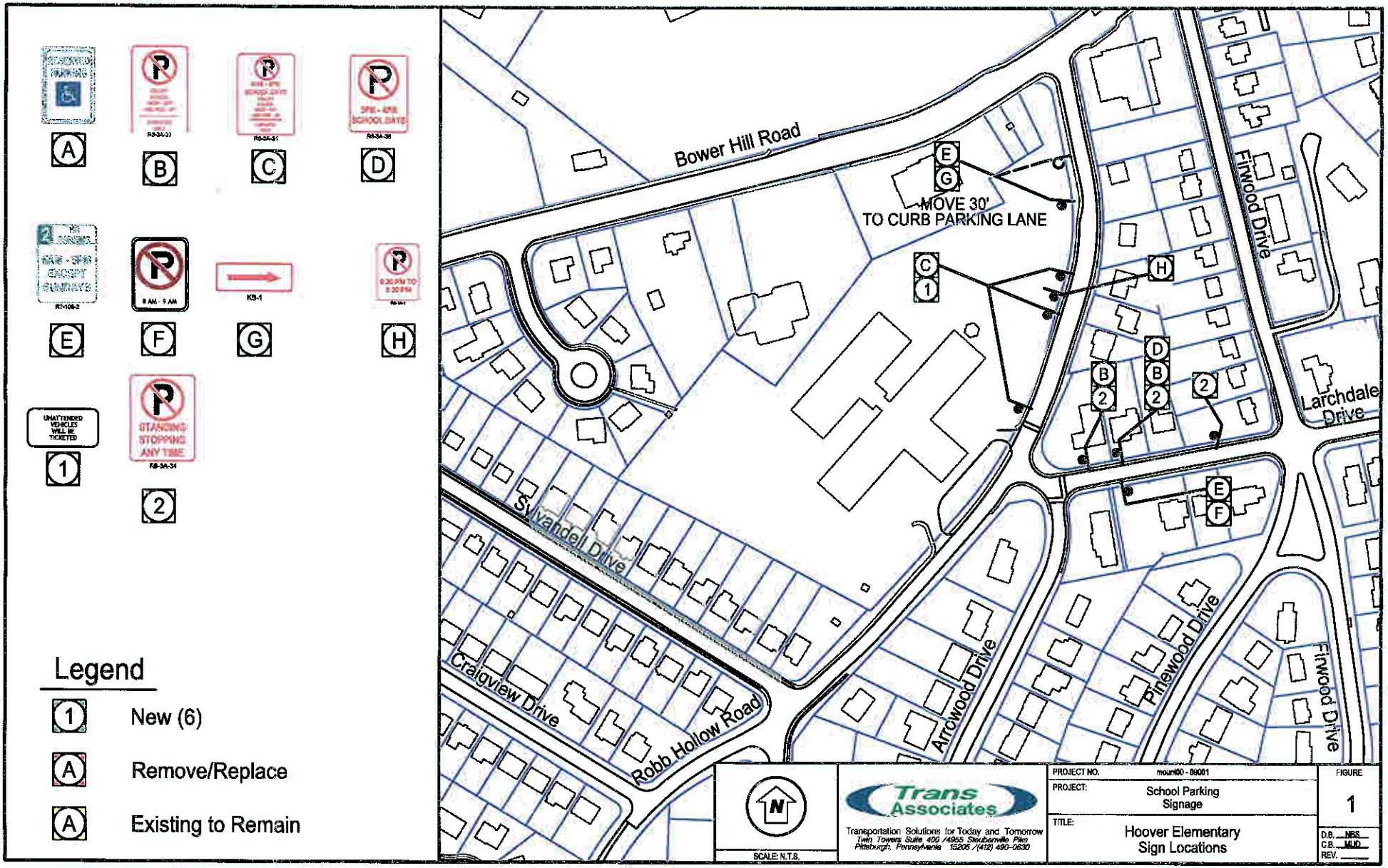
PROJECT NO. meun00 - 09001
PROJECT: School Parking Signage
TITLE: Howe Elementary Sign Locations
FIGURE 1
D.B. NBS
C.B. MJD
REV.


A
B
C
D
E
F
G
H
1
2
UNATTENDED VEHICLES WILL BE TICKETED
STANDING STOPPING ANY TIME
Legend
1 New (6)
A Remove/Replace
A Existing to Remain
Bower Hill Road
MOVE 30' TO CURB PARKING LANE
Finwood Drive
Larchdale Drive
Sylvandell Drive
Craigview Drive
Robb Hollow Road
Arrowood Drive
Pinewood Drive
Finwood Drive
N
SCALE: N.T.S.
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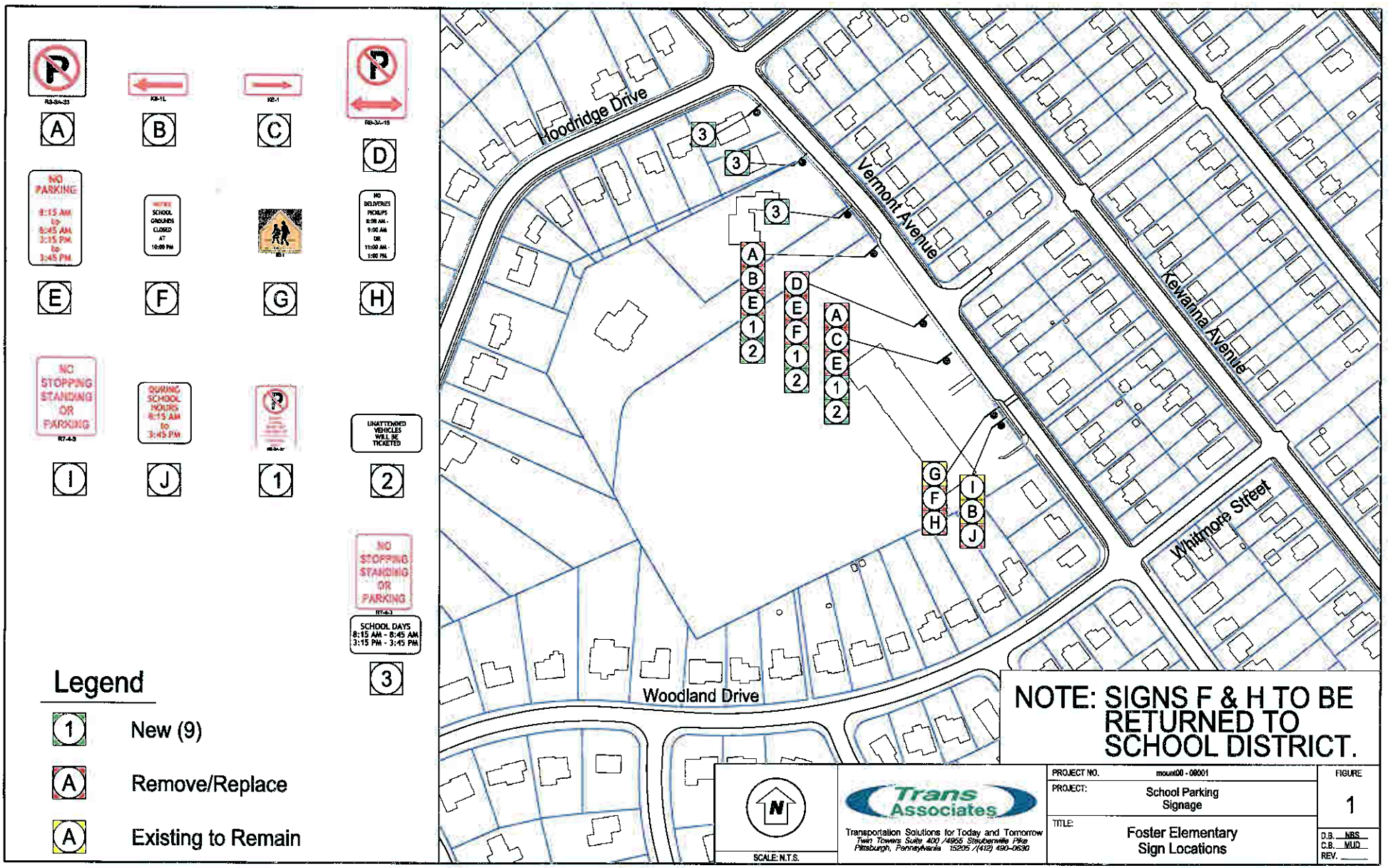
PROJECT NO. mount00 - 09001
PROJECT: School Parking Signage
TITLE: Hoover Elementary Sign Locations
FIGURE 1
D.B. NBS
C.B. MJD
REV.


A
B
C
D
NO PARKING 8:15 AM to 8:45 AM 3:15 PM to 3:45 PM
E
SCHOOL GROUNDS CLOSED AT 10:00 PM
F
G
NO DELIVERIES PICKUPS 8:00 AM - 9:00 AM OR 11:00 AM - 1:00 PM
H
NO STOPPING STANDING OR PARKING
I
DURING SCHOOL HOURS 8:15 AM to 3:45 PM
J
1
UNATTENDED VEHICLES WILL BE TICKETED
2
NO STOPPING STANDING OR PARKING
SCHOOL DAYS 8:15 AM - 8:45 AM 3:15 PM - 3:45 PM
3
Legend
1 New (9)
A Remove/Replace
A Existing to Remain
Hoodridge Drive
Vermont Avenue
Kewanna Avenue
Whitmore Street
Woodland Drive
NOTE: SIGNS F & H TO BE RETURNED TO SCHOOL DISTRICT.
N
SCALE: N.T.S.
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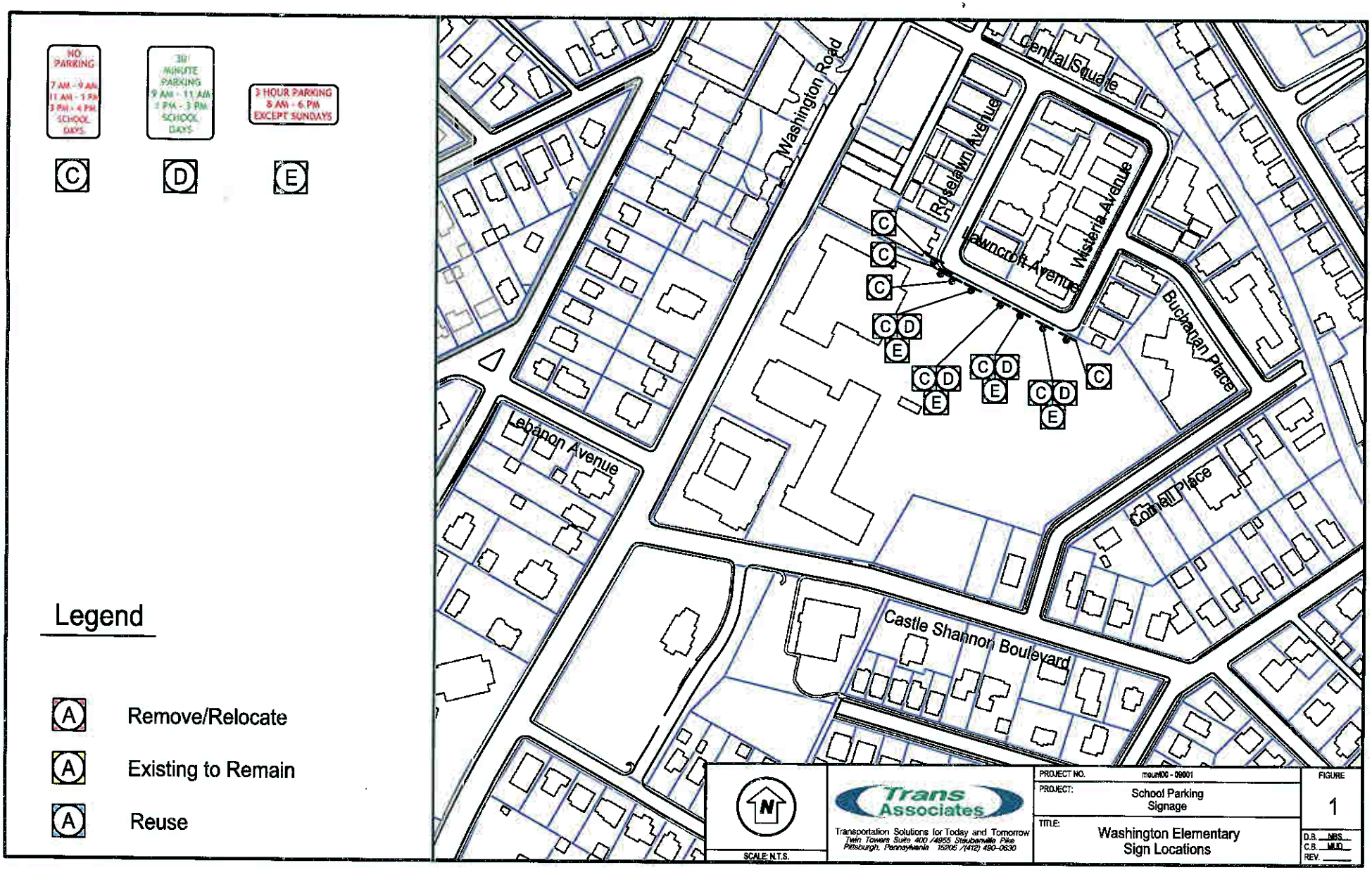
PROJECT NO. mount00 - 08001
PROJECT: School Parking Signage
TITLE: Foster Elementary Sign Locations
FIGURE 1
D.B. NBS
C.B. MJD
REV.


NO PARKING
7 AM - 9 AM
11 AM - 1 PM
3 PM - 4 PM
SCHOOL DAYS
30 MINUTE PARKING
9 AM - 11 AM
1 PM - 3 PM
SCHOOL DAYS
3 HOUR PARKING
8 AM - 6 PM
EXCEPT SUNDAYS
C
D
E
Legend
A Remove/Relocate
A Existing to Remain
A Reuse
Washington Road
Central Square
Roselawn Avenue
Wisteria Avenue
Lawncroft Avenue
Buchanan Place
Lebanon Avenue
Cornell Place
Castle Shannon Boulevard
N
SCALE: N.T.S.
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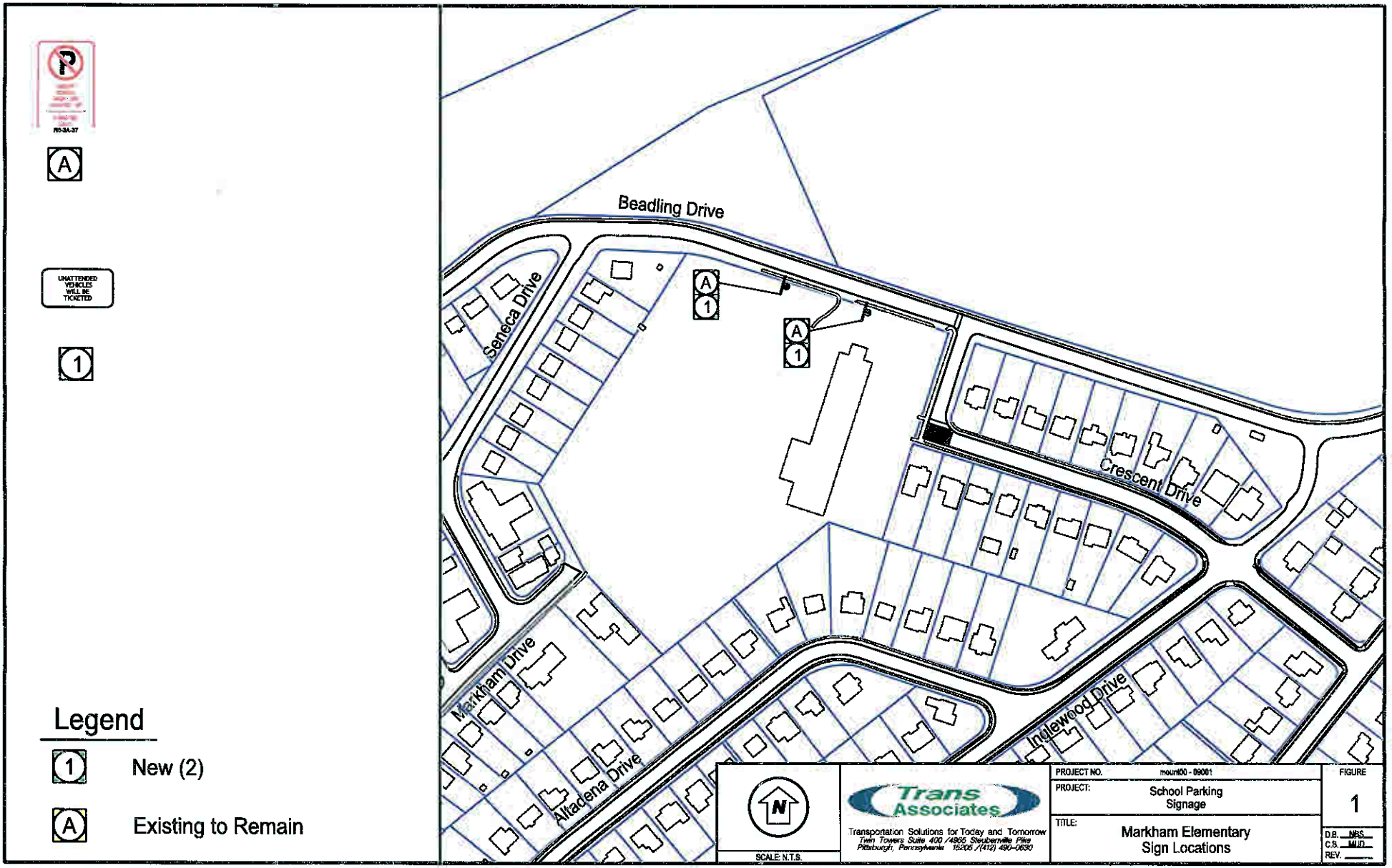
PROJECT NO. mount00 - 09001
PROJECT: School Parking Signage
TITLE: Washington Elementary Sign Locations
FIGURE 1
D.B. NBS
C.B. MUD
REV.


R8-3A-37
A
UNATTENDED VEHICLES WILL BE TICKETED
1
Legend
1 New (2)
A Existing to Remain
Beadling Drive
Seneca Drive
Crescent Drive
Markham Drive
Altadena Drive
Inglewood Drive
A 1
A 1
N
SCALE: N.T.S.
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PROJECT NO. mount00 - 09001
PROJECT: School Parking Signage
TITLE: Markham Elementary Sign Locations
FIGURE 1
D.B. NRS
C.B. MHD
REV.

A B 1

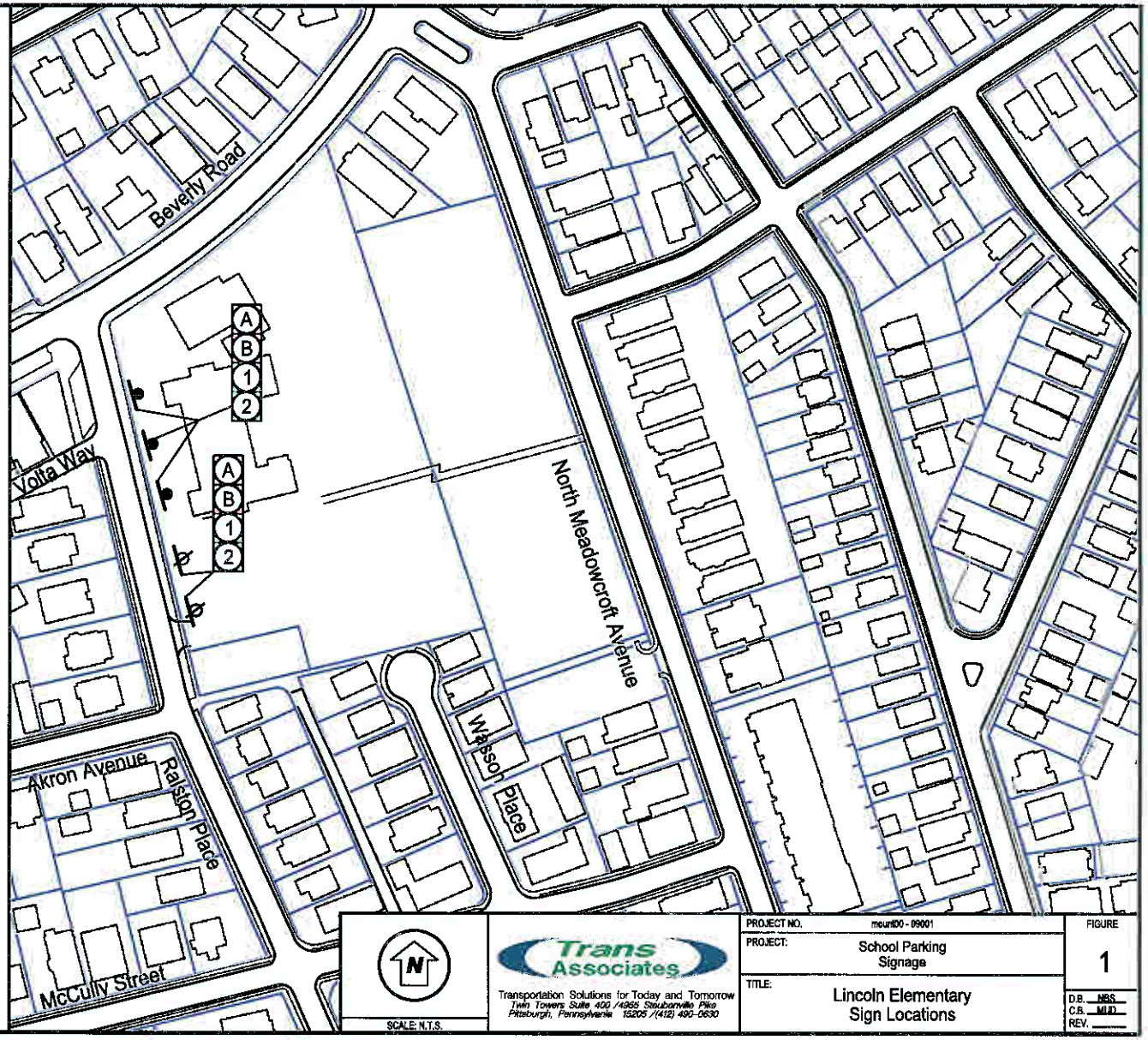
UNATTENDED VEHICLES WILL BE TICKETED

2

Note: Signs to be placed so as not to conflict with Student Loading.

Legend

- 1 — New (10)
- A — Remove
- A — Existing to Remain
- Ø — Utility Pole



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PROJECT NO.	mount00 - 09001
PROJECT:	School Parking Signage
TITLE:	Lincoln Elementary Sign Locations
FIGURE	1
D.B.	NBS
C.B.	MJD
REV.	