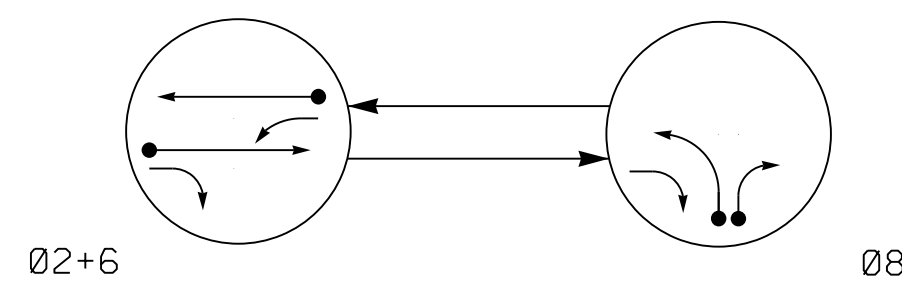


PHASING DIAGRAM

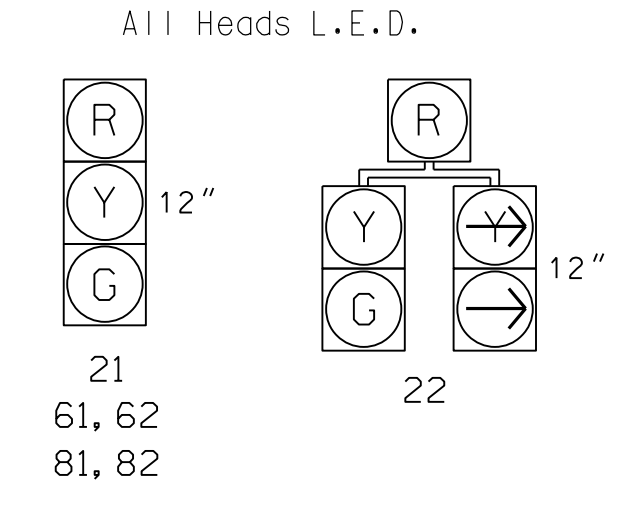


PHASING DIAGRAM DETECTION LEGEND

- ← DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ← - - UNSIGNALIZED MOVEMENT
- ← - - - PEDESTRIAN MOVEMENT

| SIGNAL FACE | PHASE | | |
|-------------|-------|-----|-------|
| | 0 8 | 0 8 | FLASH |
| 21 | G | R | Y |
| 22 | G | R | Y |
| 61, 62 | G | R | Y |
| 81, 82 | R | G | R |

SIGNAL FACE I.D.



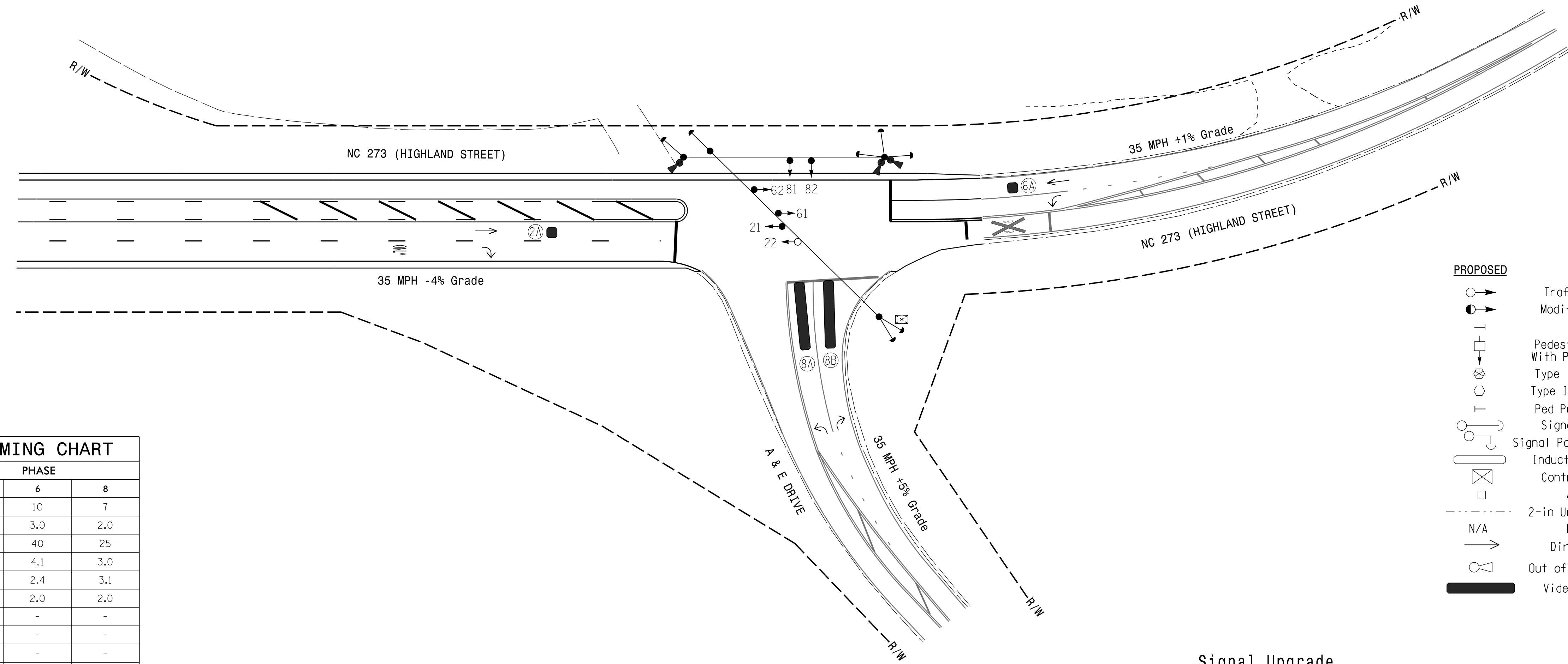
| LOOP | SIZE (FT) | DISTANCE FROM STOPBAR (FT) | TURNS | NEW LOOP | PHASE | DETECTOR PROGRAMMING | | | | | | |
|------|-----------|----------------------------|-------|----------|-------|----------------------|-----------|-----------------|--------------|------------|-------------|----------|
| | | | | | | CALLING | EXTENSION | FULL TIME DELAY | STRETCH TIME | DELAY TIME | SYSTEM LOOP | NEW CARD |
| 2A | 6X6 | 70 | * | Y | 2 | Y | Y | - | - | - | - | - |
| 6A | 6X6 | 70 | * | - | 6 | Y | Y | - | - | - | - | - |
| 8A | 6X40 | 0 | * | - | 8 | Y | Y | - | - | 3 | - | - |
| 8B | 6X40 | 0 | * | - | 8 | Y | Y | - | - | 15 | - | - |

* Video Detection Area.
Camera locations shown are schematic and should be confirmed in the field by the contractor in order to provide detection of the areas indicated.

2 Phase Fully Actuated (Isolated)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Install a box span if it can be done without temporary poles, span wire, and signal heads being in conflict with construction of future metal poles and mast arms.



| FEATURE | PHASE | | |
|-------------------------|------------|------------|-----|
| | 2 | 6 | 8 |
| Min Green 1 * | 10 | 10 | 7 |
| Extension 1 * | 3.0 | 3.0 | 2.0 |
| Max Green 1 * | 40 | 40 | 25 |
| Yellow Clearance | 4.1 | 4.1 | 3.0 |
| Red Clearance | 2.4 | 2.4 | 3.1 |
| Red Revert | 2.0 | 2.0 | 2.0 |
| Walk 1 * | - | - | - |
| Don't Walk 1 | - | - | - |
| Seconds Per Actuation * | - | - | - |
| Max Variable Initial * | - | - | - |
| Time Before Reduction * | - | - | - |
| Time To Reduce * | - | - | - |
| Minimum Gap | - | - | - |
| Recall Mode | MIN RECALL | MIN RECALL | - |
| Vehicle Call Memory | YELLOW | YELLOW | - |
| Dual Entry | - | - | - |
| Simultaneous Gap | ON | ON | ON |

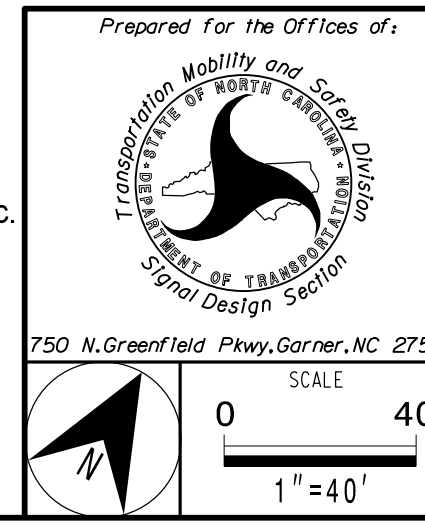
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

- PROPOSED**
- → Traffic Signal Head
- → Modified Signal Head
- ⊥ Sign
- ⊥ Pedestrian Signal Head With Push Button & Sign
- ⊕ Type I Pushbutton Post
- Type II Signal Pedestal
- ⊥ Ped Push Button w/Sign
- Signal Pole with Guy
- Signal Pole with Sidewalk Guy
- ⊠ Inductive Loop Detector
- Controller & Cabinet
- Junction Box
- - - 2-in Underground Conduit
- - - Right of Way
- Directional Arrow
- Out of Pavement Detector
- Video Detection Area
- EXISTING**
- N/A
- ⊥ N/A
- ⊥ N/A
- ⊕ N/A
- N/A
- ⊥ N/A
- N/A
- N/A
- N/A
- ⊠ N/A
- N/A
- - - N/A
- - - N/A
- N/A
- N/A
- N/A

Signal Upgrade
Temporary Design 2 - TMP Phases 2 & 3

Stantec
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NC 273 (Highland Street) at A&E Drive

Division 12 Gaston County Mount Holly

PLAN DATE: JULY 2016 REVIEWED BY: D. HARRIS

PREPARED BY: J. HAMBRIGHT REVIEWED BY: B. WATSON

REVISIONS INIT. DATE

DocuSigned by: Patsy L. Watson 10/4/2016

SIG. INVENTORY NO. 12-1595-T2

10/4/2016 11:41:53 AM P:\Projects\2016\12-1595-T2\Drawings\SIG\SIG-31.dwg P:\Projects\2016\12-1595-T2\Drawings\SIG\SIG-31.dwg