# PAVEMENT REHABILITATION AT ROOSEVELT ROADS DEVELOPMENT

## CEIBA & NAGUABO, PUERTO RICO

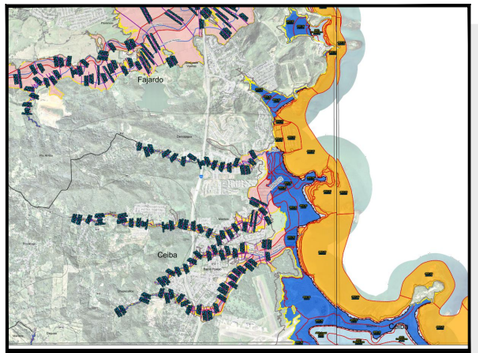
## BID SET DRAWINGS
APRIL 12, 2022

**LAMBERT COORDS. (NAD 83)**
(CEIBA) N=282,353 E=243,400

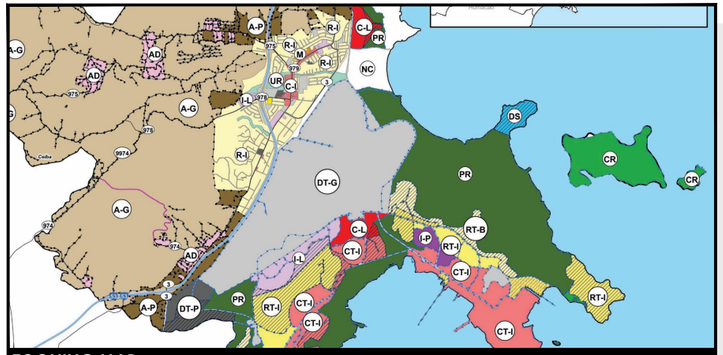
## SCHEDULE OF DRAWINGS


| SHEET NO. | DESCRIPTION | DWG. NO. |
|---|---|---|
| 1 | TITLE SHEET | GR/1 |
| 2 | GENERAL NOTES | GR/2 |
| 3 | TYPICAL SECTIONS | GR/3 |
| 4 | PAVEMENT PRESERVATION AND REHABILITATION DETAILS | GR/4 |
| 5 | KEY PLAN | GR/5 |
| 6 | MAINTENANCE OF TRAFFIC – GENERAL NOTES, LEGEND AND CONSTRUCTIONS SCHEDULE | MOT/1 |
| 7–8 | MAINTENANCE TRAFFIC PLAN – TYPICAL APPLICATION DIAGRAMS | MOT/2–MOT/3 |
| 9 | MAINTENANCE TRAFFIC PLAN –CONSTRUCTION SIGN TABLE | MOT/4 |
| 10–26 | PAVEMENT REHABILITATION PLAN | PR/1–PR/17 |
| 27–28 | PAVEMENT MARKING DETAILS | TS/1–TS/2 |

**LOCATION MAP** SCALE= N.T.S.




**FLOODING MAP** SCALE= N.T.S.
MAP: FM72000C080J & 720000C0840J
DATE: MAY 25, 2018




**ZOONING MAP** SCALE= N.T.S.
MAP:
DATE: MAY 7, 2012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YOLCARLOS I. BAEZ DOTEL,
LICENCIA 12371 , CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑO ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LOS DISPUESTOS EN LA "LEY NUM. 14 DE 8 DE ENERO DE 2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NUM. 319 DE 15 DE MAYO DE 1938, SEGUN ENMENDADA; LEY NUM. 96 DE 6 DE JULIO DE 1978, SEGUN ENMENDADA. RECONOZCO QUE CUALQUIR DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPe

Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0

Drawing Title:
**TITLE SHEET & SCHEDULE OF DRAWINGS**

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:
**GR-1**


Sheet Template ID: OPE-F-07-8
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\TITLE SHEET; Plotted: 4/21/2022 4:58 p.m. by SVAZQUEZ; Saved: 4/13/2022 4:29 p.m. by SVAZQUEZ

## GENERAL NOTES:

1. METRIC SYSTEM HAS BEEN USED THROUGHOUT THE PROJECT UNLESS OTHERWISE SPECIFIED.

2. ALL COORDINATES USED ARE PUERTO RICO LAMBERT SYSTEM (NAD 83).

3. NORTH INDICATOR POINTS TO THE TRUE NORTH.

4. FOR PROJECT SPECIFICATIONS, REFER TO BOOK OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2005, AND THE SUPPLEMENTAL SPECIFICATION AND SPECIAL PROVISIONS INCLUDED ON THE CONTRACT DOCUMENTS.

5. THE CONTRACTOR SHALL VERIFY & COORDINATE ALL NEW AND EXISTING CONDITIONS & DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS PRIOR TO BIDDING & START OF CONSTRUCTION. IF ANY DISCREPANCIES, INCONSISTENCIES OR OMISSIONS ARE FOUND, THE OWNER'S ENGINEER SHALL BE NOTIFIED IN WRITING FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.

6. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS AS GIVEN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATIONS. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR AND COORDINATED WITH ALL OF THE WORK OF ALL TRADES. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE OWNER'S ENGINEER IN WRITING FOR CLARIFICATION BEFORE THE COMMENCEMENT OR RESUMPTION OF WORK.

7. THE SPECIFICATIONS AND ALL CONSULTANT DRAWINGS ARE SUPPLEMENTAL TO THE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE DRAWINGS BEFORE THE INSTALLATION OF ANY OF THE CONSULTANT'S WORK AND TO BRING ANY DISCREPANCIES OR CONFLICTS TO THE ARCHITECT'S ATTENTION IN WRITING, FOR CLARIFICATION. IMPROPERLY INSTALLED WORK SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS EXPENSE AND AT NO EXPENSE TO THE OWNER'S ENGINEER, HIS CONSULTANT, OR THE OWNER.

8. IN THE CASE OF A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE. THE CONTRACTOR SHALL NOTIFY THE OWNER'S ENGINEER OF ANY CONFLICT BEFORE PROCEEDING WITH THE WORK.

9. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK UNLESS DESIGNATED (N.I.C.) OR (O.F.O.I.). ALL OWNER'S ENGINEER EQUIPMENT, WORK AND MATERIALS SHALL COMPLY WITH ALL CURRENT AND LOCAL APPLICABLE CODES AND GOVERNING REGULATIONS, AND CONTRACT DOCUMENTS.

10. THE CONTRACTOR SHALL PROTECT ALL FINISH WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND REPLACE AND/OR REPAIR ALL DAMAGED SURFACES CAUSED BY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND OWNER'S ENGINEER.

11. BIDDERS SHALL VISIT THE SITE AND ACQUAINT THEMSELVES WITH THE CONDITIONS AS THEY ACTUALLY EXIST AND VERIFY DIMENSIONS, LOCATIONS, CONDITIONS AND DETAILS REQUIRED TO COMPLETE THE WORK. FAILURE TO VISIT THE PROJECT AREA WILL IN NO WAY RELIEVES THE SUCCESSFUL BIDDER OF FURNISHING ALL MATERIAL AND PERFORMING ALL WORK REQUIRED FOR THE COMPLETION OF THE CONTRACT. VISITS TO THE PROJECT AREA SHALL BE ARRANGED THROUGH THE CONTRACTING OFFICER.

12. CONTRACTOR SHALL DISPOSE OF THE REMOVED ITEMS SELECTED BY OWNER FOR DISPOSAL, AND SHALL STORE THE ITEMS SELECTED FOR SALVAGE IN THE PLACE INDICATED BY CONTRACTING OFFICER. DISPOSAL SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT LAWS AND REGULATIONS.

13. CONTRACTOR SHALL CONSULT THE CONTRACTING OFFICER AS TO WORKING SPACE AND AREA FOR THE LOCATION OF STORING SHACK OR TRAILER. CONTRACTOR SHALL PROVIDE A TRAILER OR CONSTRUCT A STORAGE SHACK FOR SAFEKEEPING OF HIS MATERIAL AND TOOLS.

14. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES ABOVE OR BELOW GRADE WITH THE RESPECTIVE UTILITIES COMPANIES.

15. THE CONTRACTOR SHALL SUBMIT COMPLETE SETS OF SHOP DRAWINGS AND SUBMITTALS FOR REVIEW WELL IN ADVANCE OF SCHEDULED WORK AS TO ALLOW FOR ADEQUATE TIME FOR SUCH REVIEW.

16. ALL WORK MUST COMPLY WITH RESPECTIVE SECTIONS IN TECHNICAL SPECIFICATIONS AND DRAWINGS.

17. ALL MATERIAL AND LABOR REQUIRED FOR ROAD DEMOLITION AND UTILITIES RELOCATION AND/OR REPLACEMENT SHALL BE PROVIDED BY THE CONTRACTOR.

18. ROADWAY PAVEMENT SHALL BE SAW CUT PRIOR TO TRENCH EXCAVATION.

19. THE CONTRACTOR SHALL TAKE EXTREME CARE AS NOT TO DISRUPT THE EXISTING WATER, WASTEWATER, TELEPHONE, CABLE TV AND/OR ELECTRICAL SERVICE DURING THE CONSTRUCTION.

20. FENCES, DRIVEWAYS, SIDEWALKS, CURBS AND OTHER PRIVATE OR PUBLIC PROPERTY DISTURBED OR DAMAGE DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR ONCE THE WORK IN THE AREA HAS BEEN COMPLETED.

21. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ANY PAVEMENT OR APPURTENANCES, INCLUDING PAVEMENT MARKINGS, REMOVED OR DAMAGE DURING CONSTRUCTION.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER & LEGAL DISPOSAL OF ALL DEBRIS GENERATED AS PART OF THIS PROJECT.

## DEMOLITION & SITE NOTES:

GENERAL:

1. CONTRACTOR SHALL DISPOSE PROPERLY OF ALL EXISTING DEBRIS AND SCRAP MATERIAL OF DEMOLITION WORK FROM THE PROJECT ACCORDING TO MUNICIPAL, STATE AND FEDERAL REGULATIONS.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INFLICTED TO AVP OR ADJACENT PROPERTY OR OTHER PROJECT AREAS TO REMAIN DURING THE DEMOLITION AND CONSTRUCTION PHASES. DAMAGED ITEMS SHALL BE RESTORED TO IT'S ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE AND OWNER'S SATISFACTION. THIS CONDITION ALSO COVERS ANY DAMAGE INFLICTED TO PROPERTY OR STRUCTURES DURING REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL. DAMAGE TO SUBSTRATE SURFACES DURING REMOVAL PROCEDURES SHALL BE REPAIRED TO OWNER'S SATISFACTION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.

3. DEMOLITION AND REMOVAL SHALL BE CONDUCTED IN A MANNER THAT ELIMINATES HAZARDS TO PERSONS, THE ENVIRONMENT AND PROPERTY IN THE SURROUNDING AREA AND SHALL PREVENT THE RELEASE OF DUST LEAD CONTAINING DUST AND ASBESTOS FIBER INTO THE AIR AND SOIL.

4. THE CONTRACTOR SHALL MAINTAIN STREETS, PARKINGS, SIDEWALKS AND GROUNDS CLEAN AT ALL TIMES. WASHING WITH WATER IS REQUIRED TO PREVENT DUST CONTAMINATION AND HEALTH HAZARDS. WATER CONSUMPTION FOR CLEANING CAN NOT BE TAKEN FROM PUBLIC FIRE HYDRANTS OR RESIDENTS SERVICE.

5. THE CONTRACTOR SHALL SUBMITT, PROCURE AND OBTAIN THE PERMISO UNICO INCIDENTAL (OGPE) IN ORDER TO PROCEED WITH CONTRACT WORK.

6. THE CONTRACTOR WILL NOTIFY AND OBTAIN EXCAVATION COORDINATION PERMIT FROM THE P.R. DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS DTPW) FOR ALL THE EXCAVATION AND DEMOLITION WORK OF THE PROJECT. PERMIT MUST BE SUBMITTED TO THE OWNER AND TO THE PROJECT INSPECTOR BEFORE PROCEEDING WITH ANY EXCAVATION OR DEMOLITION WORK.

7. THE DEMOLITION DRAWINGS ARE INTENDED TO GIVE THE CONTRACTOR A GENERAL SCOPE OF THE DEMOLITION WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL DEMOLITION'S NECESSARY TO PERFORM THE CONSTRUCTION WORK AS DEMONSTRATED IN CONTRACT DRAWINGS AND WRITTEN SPECIFICATIONS, EVEN IF IT IS NOT SPECIFICALLY SHOWN IN THE DEMOLITION DRAWINGS. NO ADDITIONAL COST TO OWNER WILL BE CHARGED FOR DEMOLITION'S NOT SHOWN IN DRAWINGS.

8. UTILITIES AND/OR SERVICES (CONSISTING BUT NOT LIMITED TO WATER, SEWER, ELECTRICITY, GAS, CABLE TV, AND TELEPHONE) CAN NOT BE SUSPENDED TO ANY BUILDING THAT IS BEING USED. IN ALL SITUATIONS CONTRACTOR SHALL MAKE NECESSARY TEMPORARY CONNECTIONS TO MAINTAIN SERVICES CONNECTED AND/OR UTILITIES AT ALL TIME AND AT HIS OWN EXPENSE. PLANNING AND COORDINATION BETWEEN CONTRACTOR AND THE AGENCIES PROVIDING THE UTILITIES AND/OR SERVICES ARE HIS SOLE RESPONSIBILITY AND AT HIS OWN COST.

## UTILITIES NOTES:

1.THESE DRAWINGS DO NOT DEPICT THE EXACT LOCATION OF EXISTING STRUCTURES
AND UTILITIES CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL OF THE EXISTING STRUCTURES AND UTILITIES THAT AFFECT THE CONSTRUCTION, PRIOR TO BEGINNING THE WORK.

2.BEFORE BEGINNING THE WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL
EXISTING UTILITIES SHOWN OR NOT SHOWN ON THE SET OF DRAWINGS THAT COULD IMPACT THE CONTRACTOR'S WORK.

3.ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

4.THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH ANY WORK AFFECTED BY THE DISCREPANCY.

## MAINTENANCE OF TRAFFIC:

1.THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR REQUIRED FOR THE TRAFFIC MAINTENANCE DURING THE CONSTRUCTION. MAINTENANCE OF TRAFFIC SHALL BE PERFORMED AS REQUIRED BY THE PRHTA AND THE MUNICIPALITY OF LAJAS.

2.AT ALL TIMES, THE CONTRACTOR SHALL MAINTAIN ACCESS TO PUBLIC AND PRIVATE PROPERTIES.

3.CONTRACOTR SHALL OBTAIN THE CORRESPONDING PR DTPW PERMIT FOR WORKS ON STATE ROADS.

## RECYCLING NOTES:

RECYCLING PLAN:

1. AT CONSTRUCTION START, CONTRACTOR SHALL COMPLY WITH LAW #411 OF OCTOBER 8TH 2000, WHICH AMEND LAW #70 OF SEPTEMBER 18th 1992, "LEY PARA LA REDUCCION Y RECICLAJE DE LOS DESPERDICIOS SOLIDOS", WHICH STATES IN ART. 6, A, SEPARACION EN LA FUENTE, THAT: "TODAS LAS INDUSTRIAS, FABRICAS, TIENDAS, COMERCIOS Y CUALQUIER OTRO TIPO DE INSTITUCION QUE EMPLEE MAS DE 10 PERSONAS TENDRAN QUE IMPLANTAR UN PLAN DE RECICLAJE".


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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

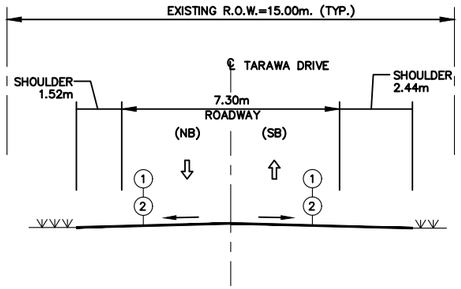
Project No.: 19-1741.0

Drawing Title:
GENERAL CONSTRUCTION NOTES

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:
**GR-2**


Sheet Template ID: OPE-F-07-8
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job-162 Re-Asphalt Bid Package\Drawings\GENERAL CONSTRUCTION NOTES; Plotted: 4/21/2022 4:58 p.m. by SVAZQUEZ; Saved: 4/13/2022 2:15 p.m. by SVAZQUEZ

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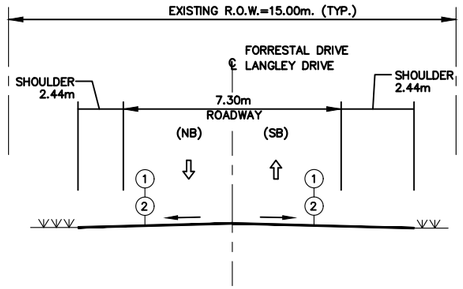


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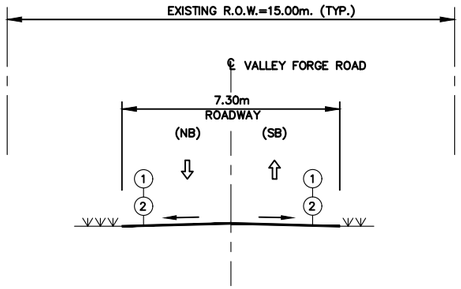


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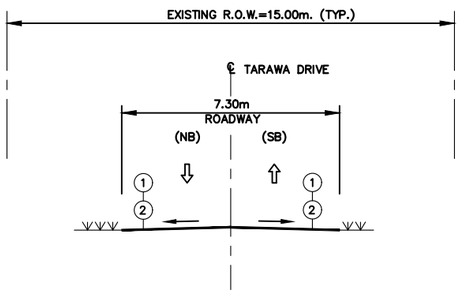


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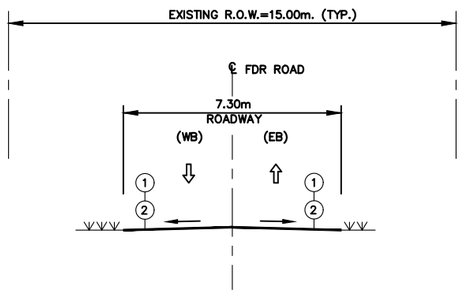


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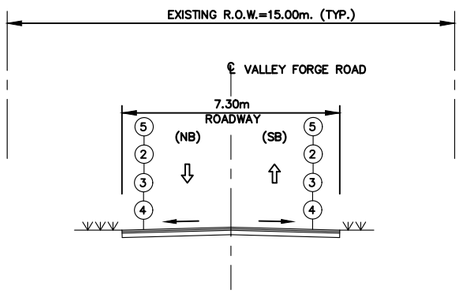
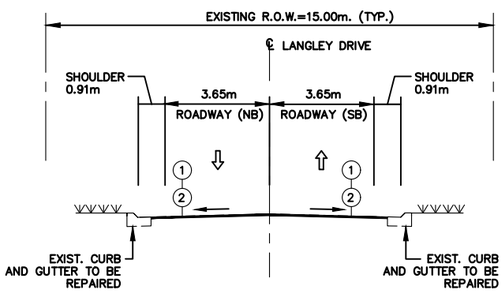
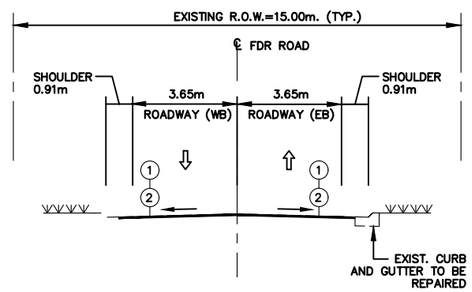



## TYPICAL SECTION H-H




## TYPICAL SECTION C-C




## TYPICAL SECTION F-F

*NOTES:*

1. CONTRACTOR SHALL PROVIDE A SAFETY EDGE ON BOTH SIDES OF THE ROAD ON NEW PAVEMENT SECTIONS. SAFETY EDGE IS A SUBSIDIARY OBLIGATION UNDER THE CORRESPONDING BITUMINOUS PAVEMENT PAY ITEM. THE SAFETY EDGE WORK SHALL BE AS PER SP 965–ASPHALT SAFETY EDGE.

2. FOR SPECIFICATIONS, REFER TO THE PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2005).

LEGEND

1. *0.05m COLD MILLING OF BITUMINOUS ASPHALT PAVEMENT (SPEC. 403)*
2. *0.05m HOT ASPHALT BITUMINOUS PAVEMENT S(50)(38) MIX (SPEC. 401 & SUPPLEMENTAL SPECIFICATION 401)*
3. *0.10m HOT ASPHALT BITUMINOUS PAVEMENT B(50)(1) MIX (SPEC. 401 & SUPPLEMENTAL SPECIFICATION 401)*
4. *0.15m AGGREGATE BASE COURSE (CRUSHED STONE) (SPEC. 304)*
5. *0.15m FULL DEPTH REMOVAL OF BITUMINOUS PAVEMENT (SPEC. 402)*

GRAPHIC SCALE = 1:200
0 5 7 8

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Revisions:

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Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

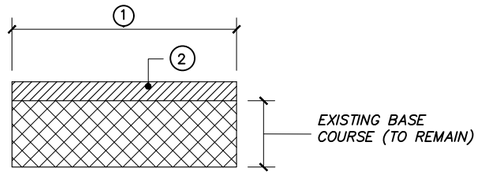
CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**TYPICAL SECTIONS**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**GR-3**

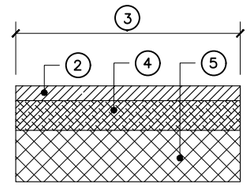
Sheet Template ID: OPE-F-07-B
Plotted: 4/21/2022 2:33 p.m. by INTEGRAUSER
Saved: 4/21/2022 4:59 p.m. by SVAZQUEZ;
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\TYPICAL SECTIONS;




## PAVEMENT REHABILITATION DETAIL-1

**(TYPICAL SECTION A-A TO G-G ON SHEET GR-3)**

SCALE: N.T.S.



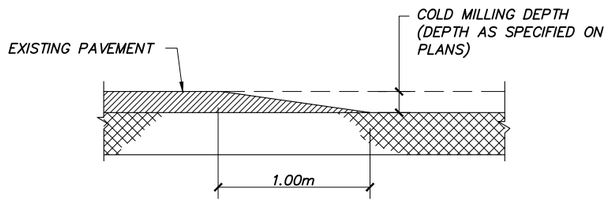

## PAVEMENT REHABILITATION (FULL DEPTH) DETAIL-2

**(TYPICAL SECTION H-H ON SHEET GR-3)**

SCALE: N.T.S.

## LEGEND:

1. 0.050m COLD MILLING OF BITUMINOUS ASPHALT PAVEMENT (SPEC. 403)
2. 0.050m HOT ASPHALT BITUMINOUS PAVEMENT S(50)(38) (SS 401)
3. 0.15m FULL DEPTH REMOVAL OF BITUMINOUS PAVEMENT (SPEC. 402)
4. 0.10 m HOT ASPHALT BITUMINOUS PAVEMENT B(50)(1) (SS 401)
5. 0.15m AGGREGATE BASE COURSE (CRUSHED STONE) (SPEC. 304)
6. EXISTING CONCRETE SLAB (DEPTH VARIES)
7. MAXIMUM 0.30m FULL DEPTH REMOVAL OF PAVEMENT SECTION AND BASE COURSE (SPEC. 402)



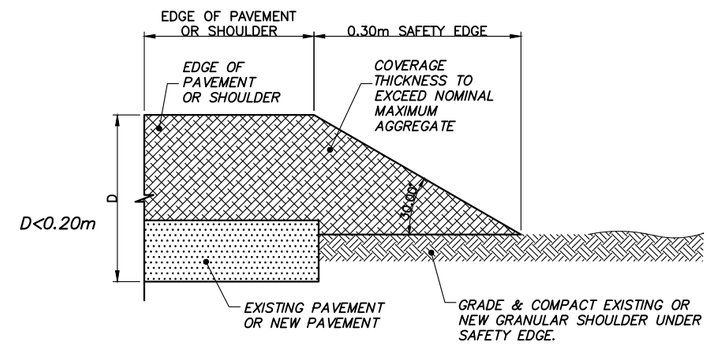

## TRANSITION RAMP (TYP.) DETAIL

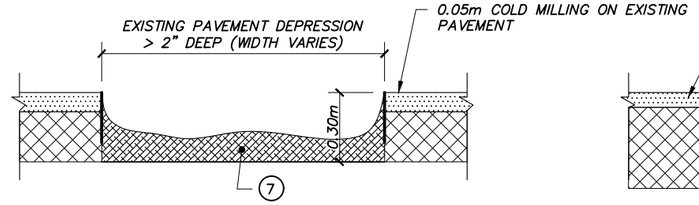
## NOTES:

1. PROVIDE A SMOOTH TRANSITION FROM EXISTING ASPHALT PAVEMENT WITH THE COLD MILLED AREA WHEN THE SECTION IS OPEN TO TRAFFIC.
2. MAXIMUM COLD MILLING DEPTH IS 0.05m. TRANSITION RAMP TO BE PROVIDED ON COLD MILLING AND FULL DEPTH AREAS TO BE OPEN TO TRAFFIC. EXTEND RAMP LENGTH FOR A SMOOTH TRANSITION.
3. TRANSITION RAMP IS A SUBSIDIARY OBLIGATION ON SPEC. 403–COLD MILLING OF BITUMINOUS ASPHALT PAVEMENT PAY ITEM.
4. TRANSITION RAMP TO BE PROVIDED ON BOTH SIDES OF THE COLD MILLED AREA.
5. SAFETY EDGES ARE INCLUDED AS A SUBSIDIARY OBLIGATION OF PAVEMENT (SS401) PAY ITEM.

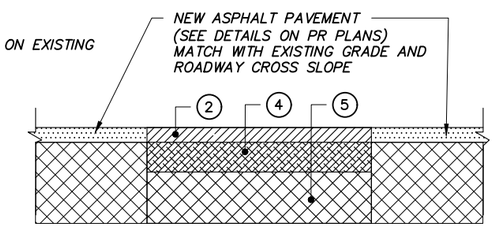
## NOTES:

1. PROPOSED PAVEMENT SURFACE AND CROSS SLOPE SHALL MATCH EXISTING GRADING.



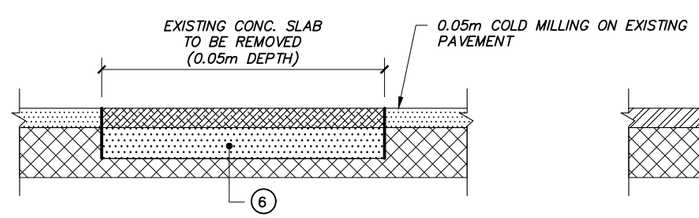

DEMOLITION DETAILS




RECONSTRUCTION DETAIL

## REHABILITATION OF PAVEMENT DEPRESSION > 2 " DEEP

SCALE: N.T.S.

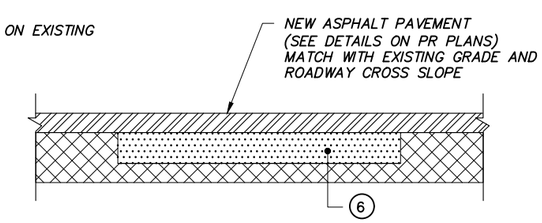



## SHOULDER BACKING MATERIAL TYPICAL DETAILS

SCALE: N.T.S.




DEMOLITION DETAILS




RECONSTRUCTION DETAIL

## PAVING OVER CONC. SLAB DETAILS

SCALE: N.T.S.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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT PRESERVATION AND REHABILITATION DETAILS**

SET ISSUE DATE
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Sheet:

# GR-4


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT PRESERVATION AND REHABILITATION DETAILS; Plotted: 4/21/2022 4:59 p.m. by SVIAZQUEZ; Saved: 4/19/2022 5:00 p.m. by INTEGRAUSER

Sheet Template ID: OPE-F-07-8

File: P:\pr119-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\KEY PLAN; Plotted: 4/21/2022 4:59 p.m. by SVAZQUEZ; Saved: 4/13/2022 4:02 p.m. by SVAZQUEZ

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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**KEY PLAN**

SET ISSUE DATE
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BID-PHASE

Sheet:
**GR-5**

## GENERAL MAINTENANCE OF TRAFFIC NOTES:

1. NO WORK OTHER THAN MOBILIZATION, TRAFFIC CONTROL, AND PROJECT FIELD OFFICE, SHALL BE PERFORMED UNTIL THE PROGRESS SCHEDULE IS APPROVED BY THE ENGINEER.
2. ALL TEMPORARY CONTROL DEVICES SHALL COMPLY WITH THE SUPPLEMENTAL SPECIFICATION NUMBER 638-"MAINTENANCE AND PROTECTION OF TRAFFIC" OF SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PRHTA 2005 EDITION.
3. EQUIPMENT MATERIALS AND OTHER DEVICES USED FOR CONSTRUCTION SHALL BE REMOVED FROM THE ROADWAY AFTER WORK HOURS AND SHALL BE STAGED A MINIMUM DISTANCE of 10 MTS FROM THE TRAVEL WAY.
4. PLASTIC DRUM SPACING SHALL BE 5 METERS.
5. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER THE INSTALLATION OF TEMPORARY TRAFFIC CONTROL DEVICES FOR EACH PHASE AT LEAST FOURTEEN (14) CALENDAR DAYS IN ADVANCE FOR THE RELEASE OF PUBLIC NOTICE. THE CONTRACTOR SHALL NOT COMMENCE ANY OF THE CONSTRUCTION PHASES WITHOUT A PUBLIC NOTICE IS ISSUED OR WITHOUT DIRECT CONSENT OF THE ENGINEER.
6. THE CONSTRUCTION SIGNS INSTALLATION SHOULD BE IN ACCORDANCE TO THE TEMPORARY TRAFFIC SIGNS MOUNTING DETAILS IN THE STANDARD DRAWINGS.
7. THE USE, LOCATION AND MESSAGES OF THE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL FOLLOW THESE PLANS OR AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PAINT FURNISH TEMPORARY TRAFFIC CONTROL DEVICES THAT MEET NCHRP 350 CRITERIA FOR THE APPLICABLE CRASHWORTHINESS STANDARD.
9. ALL EXISTING SIGNS AND TRAFFIC CONTROL SIGNS DETERMINED BY THE ENGINEER TO BE UNNECESSARY FOR THE APPLICABLE CONSTRUCTION OPERATION SHALL BE IMMEDIATELY COVERED IN ITS ENTIRETY WITH NO ABRASIVE MATERIAL AND SHALL BE INSPECTED DURING DAY AND NIGHT TO ENSURE THAT THE SIGN IS NOT READABLE. THIS WORK IS A SUBSIDIARY OBLIGATION UNDER THE VARIOUS PAY ITEMS INCLUDED ON THE CONTRACT.
10. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE ALL THE NECESSARY PRECAUTIONS AND MEASURES TO AVOID FALLING DEBRIS, TOOLS, EQUIPMENT OR ANY OTHER MATERIALS INTERFERE OR IMPACT THE MOTORING PUBLIC IN THE ROADWAY. ALL THE MATERIALS, LABOR EQUIPMENT AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION UNDER THE VARIOUS PAY ITEMS INCLUDED ON THE CONTRACT.
11. THE CONTRACTOR SHALL MAINTAIN ACCESS AT ALL TIMES TO ADJACENT PROPERTIES DURING CONSTRUCTION. THIS WORK WILL REQUIRE COORDINATION WITH BUSINESS AND PRIVATE OWNERS. ALL THE MATERIALS, LABOR, EQUIPMENT AND WORK NECESSARY FOR IMPLEMENTING THIS REQUIREMENT IS SUBSIDIARY OBLIGATION UNDER THE VARIOUS PAY ITEMS INCLUDED ON THE CONTRACT.
12. NO EXCAVATION AND/OR PAVEMENT DROP-OFF SHALL REMAIN OPEN WITHIN THE TRAVELED WAY WHEN THE CONTRACTOR OR ITS PERSONNEL IS NOT WORKING AND PHYSICALLY PRESENT AT THE WORK SITE.
13. LIGHTING SHALL BE PROVIDED FOR NIGHT TIME OPERATIONS (SEE SPECIAL PROVISIONS 938 "LIGHTING FOR NIGHT TIME CONSTRUCTION"). THE GLARE OF THE TEMPORARY ILLUMINATION SHOULD NOT AFFECT THE DRIVERS VISIBILITY.
14. TEMPORARY CONCRETE BARRIER SHOULD BE USED TO PROTECT VEHICULAR TRAFFIC FROM PAVEMENT DROP-OFF AREAS EQUAL OR GREATER THAN 0.30 METERS DEEP THAT WILL REMAIN OPEN FOR THE DURATION OF MORE THAN ONE DAY, AS APPROVED BY THE ENGINEER.
15. IT IS OF THE UPMOST IMPORTANCE THAT ALL EXISTING STORM DRAINAGE SYSTEMS BE KEPT FUNCTIONING AT ALL TIMES AND PROVIDE MEANS TO PREVENT CLOGGING OF THESE SYSTEMS DURING CONSTRUCTION. THIS APPLIES ON ALL CONSTRUCTION STAGES.
16. IN ALL CONSTRUCTION OPERATIONS UNDER THIS CONTRACT, ALL PRECAUTIONS SHALL BE EXERCISED IN ORDER THAT THE MOVEMENT OF EQUIPMENT AND CONSTRUCTION WORK SHALL BE PERFORMED IN SUCH A WAY AS TO AVOID UNNECESSARY INCONVENIENT TO TRAFFIC.
17. REPAIR OR DAMAGE TO EXISTING PAVEMENTS CAUSED BY CONSTRUCTION OPERATION OR EQUIPMENT SHALL BE THE CONTRACTORS RESPONSIBILITY. THIS REQUIREMENT IS A SUBSIDIARY OBLIGATION UNDER PAY ITEMS SUPPLEMENTAL SPECIFICATION 401 HOT ASPHALT BITUMINOUS PAVEMENT.
18. PROVISIONAL SIGNING AND TRAFFIC CONTROL SHALL BE AS PROVIDED IN PART 6 TEMPORARY TRAFFIC CONTROL OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION.
19. ALL TRAFFIC CONTROL DEVICES SHALL BE CLEANED, REPAINTED, REFLECTORIZED OR REPLACED AS NECESSARY TO PROVIDE ADEQUATE VISIBILITY AND LEGIBILITY AT ALL TIMES. NO DIRECT PAYMENT WILL BE MADE TO THE CONTRACT FOR THESE WORK.
20. THE PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY IT DOES RESERVE THE RIGHT TO STOP THE WORKS AT ANY TIME IF THE CONTRACTOR DO NOT COMPLY WITH THE TRANSIT AND THE SAFETY REGULATIONS.

## CONSTRUCTION SCHEDULE:

1. FOR THE CONSTRUCTION OPERATIONS OF THIS PROJECT THE FOLLOWING SCHEDULE AND SPECIAL INSTRUCTIONS SHALL BE FOLLOWED IN ORDER TO MAINTAIN TRAFFIC FLOW WITH THE LEAST POSSIBLE INTERFERENCE FROM CONSTRUCTION WORK.
2. TYPICAL APPLICATIONS ARE INCLUDED ON SHEETS MOT-2 AND MOT-3 FOR THE TEMPORARY TRAFFIC CONTROL ACTIVITIES FOR A VARIETY OF SITUATIONS COMMONLY ENCOUNTERED. CONTRACTOR SHOULD MODIFIED THESE GUIDELINES AS REQUIRED TO FIELD CONDITIONS.
3. SPECIFIC SITUATIONS NOT COVERED BY THESE APPLICATIONS SHALL BE BROUGHT UP TO THE ENGINEER FOR APPROPRIATE DIRECTION AND CLARIFICATION 10 DAYS BEFORE THE BEGINNING OF THE CONSTRUCTION WORK IN THAT AREA.
4. THE CONTRACTOR SHALL OBTAIN THE ORDER TO PROCEED PRIOR TO THE COMMENCEMENT OF ANY WORK INCLUDING THE INSTALLATION OF THE TEMPORARY CONSTRUCTION SIGNS.

DISTANCE BETWEEN SIGNS (MTS.)

| VELOCITY | A | B | C |
|---|---|---|---|
| 35 MPH < V < 45 MPH | 150 | 150 | 150 |

DISTANCE FOR TEMPORARY TRAFFIC CONTROL ZONE (MTS.)

| VELOCITY | TAPER | BUFFER | TERMINATION AREA |
|---|---|---|---|
| 35 MPH < V < 45 MPH | 56 | 45 | 15 |

## CONSTRUCTION:

1. THE LENGTH OF LANE CLOSURES WOULD BE RESTRICTED TO THE MINIMUM NECESSARY TO ACCOMPLISH THE WORK SAFELY, EFFICIENTLY AND WITHIN CONTRACTOR CAPACITY.
2. IMPLEMENT THE WORK ZONE TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC INDICATED ON PLANS.
3. THE DETAILS SHOWN SHALL BE USED IN BOTH DIRECTIONS.
4. WORK ACTIVITIES SHALL NOT OCCUR DURING PEAK HOURS.
5. PEAK HOUR FOR THIS PROJECT ARE:
   - MONDAY TO THURSDAY - BETWEEN 7:00AM AND 9:00AM AND BETWEEN 3:00PM TO 6:00PM
   - FRIDAYS - BETWEEN 7:00AM TO 9:00AM AND BETWEEN 3:00PM TO 9:00PM

CONSTRUCTION SCHEDULE TABLE

| CONSTRUCTION PHASE | ACTIVITY TYPE DESCRIPTION | APPLICABLE TYPICAL APPLICATION DIAGRAM | WORKING HOURS |
|---|---|---|---|
| PHASE 1 | MOT IMPLEMENTATION<br>1. PROJECT SIGN INSTALLATION<br>2. INSTALLATION OF TEMPORARY CONSTRUCTION SIGNS<br>3. INSTALLATION OF DRUMS AND TEMPORARY CONCRETE BARRIER (WHERE APPLIES) | I, II, III | 9AM TO 3PM<br>9AM TO 3PM<br>8PM TO 5AM |
| PHASE 2 | PAVEMENT REHABILITATION WORKS<br>1. COLD MILLING OF ASPHALT PAVEMENT<br>2. NEW ASPHALT PAVEMENT<br>3. FULL DEPTH PATCH OF ASPHALT PAVEMENT AND NEW ASPHALT PAVEMENT (WHERE APPLIES) | I, II, III,<br>V, VI, VII<br>(APPLY FOR ALL ACTIVITIES) | 9AM TO 3PM<br>8PM TO 5AM |
| PHASE 3 | ROADSIDE SAFETY IMPROVEMENTS<br>1. INSTALLATION OF EROSION CONTROL MEASURES (WHERE APPLIES)<br>2. REMOVAL OF EXISTING GUARDRAILS<br>3. INSTALLATION OF NEW GUARDRAILS<br>4. REPAIR OF EXISTING CONCRETE BARRIERS<br>5. DRAINAGE SYSTEM REPARATIONS | I, II,<br>III | 9AM TO 3PM |
| PHASE 4 | NEW TRAFFIC SIGNING AND PAVEMENT MARKING<br>1. REMOVAL OF EXISTING TRAFFIC SINGS<br>2. INSTALLATION OF NEW TRAFFIC SIGNS<br>3. REMOVAL OF EXISTING PAVEMENT MARKINGS<br>4. INSTALLATION OF NEW PAVEMENT MARKINGS | I, II, III,<br>V, VII | 9AM TO 3PM<br>8PM TO 5AM |

THE PROJECT WILL BE IMPLEMENTED BY THE PHASES SHOWN ON THIS TABLE. THE CONTRACTOR CAN MODIFY THAT ORDER BY PRESENTING RECOMMENDATIONS IN THE CONSTRUCTION SCHEDULE.

## LEGEND:

- TRAFFIC SIGN LOCATION
- TRAFFIC DRUMS
- TRAFFIC FLOW
- WORK ZONE
- FLASHING ARROW PANEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- X SIGN ID / Y LOCATION — CONSTRUCTION SIGN (SEE TABLE ON MOT-4)
- FLAGGER

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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**MAINTENANCE OF TRAFFIC GENERAL NOTES, LEGEND AND CONSTRUCTION SCHEDULES**

SET ISSUE DATE
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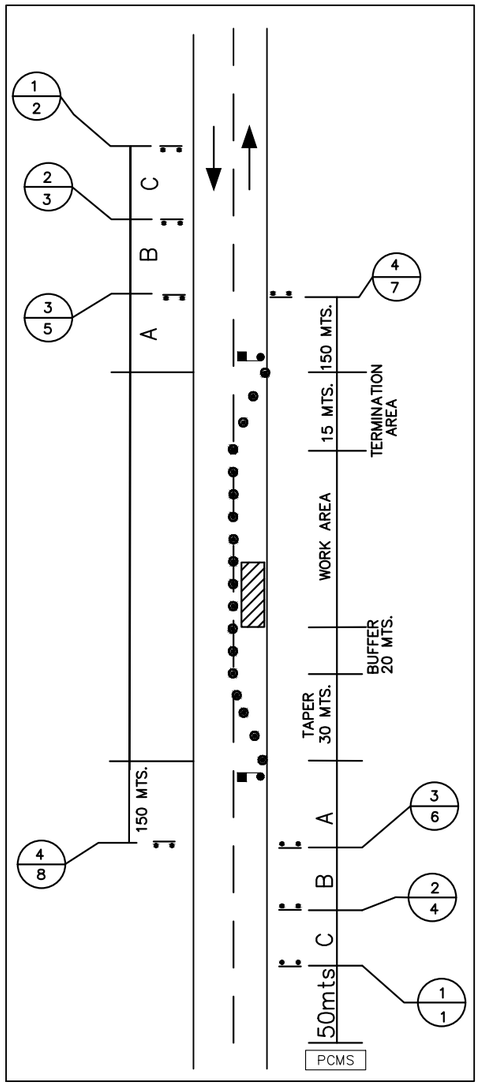
BID-PHASE

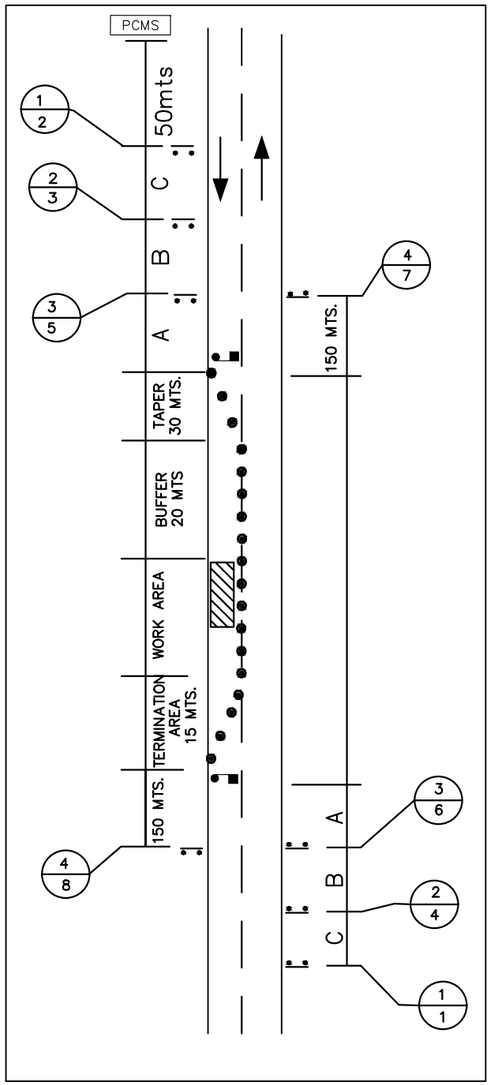
Sheet:
**MOT-1**

Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\MAINTENANCE OF TRAFFIC GENERAL NOTES, LEGEND AND CONSTRUCTION SC; Plotted: 4/21/2022 5:00 p.m. by SVAZQUEZ; Saved: 4/21/2022 2:33 p.m. by INTEGRAUSER

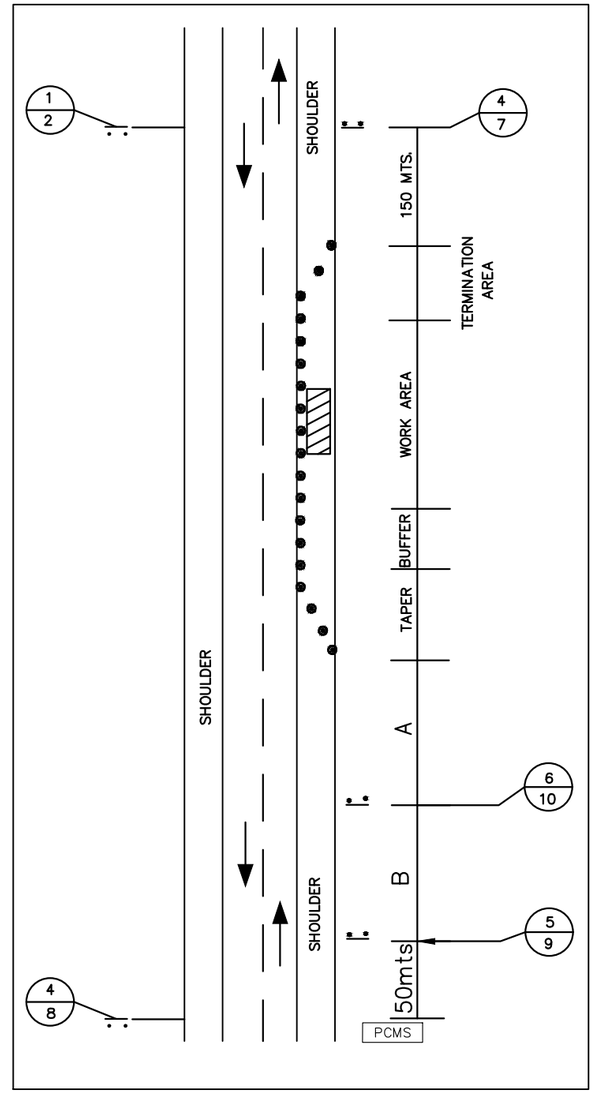
## TYPICAL APPLICATION I
## RIGHT LANE CLOSURE




## TYPICAL APPLICATION II
## LEFT LANE CLOSURE




## TYPICAL APPLICATION III
## SHOULDER CLOSURE




## LEGEND:

- TRAFFIC SIGN LOCATION
- TRAFFIC DRUMS
- TRAFFIC FLOW
- WORK ZONE
- FLASHING ARROW PANEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- X SIGN ID / Y LOCATION — CONSTRUCTION SIGN (SEE TABLE ON MOT–4)
- FLAGGER (REFER TO MUTCD 2009 FLAGGER PROCEDURES ON SECTION 6E.07)

## NOTES:

1. REFER TO DWG. MOT-1 FOR TABLE OF DISTANCE BETWEEN SIGNS AND TABLE OF DISTANCE FOR TEMPORARY TRAFFIC CONTROL ZONE.
2. FOR MAINTENANCE OF TRAFFIC NOTES, REFER TO DWG. MOT-1.
3. FOR CONSTRUCTION SIGN TABLE REFER TO DWG. MOT-4.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Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**MAINTENANCE OF TRAFFIC PLAN TYPICAL APPLICATION DIAGRAM**

SET ISSUE DATE
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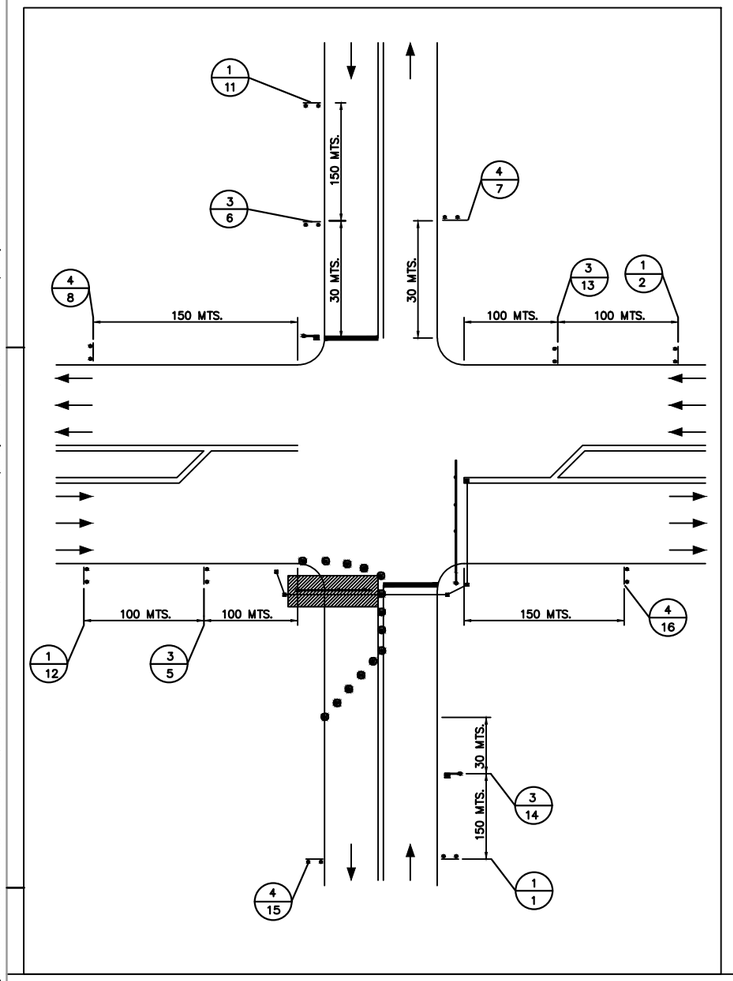
BID-PHASE

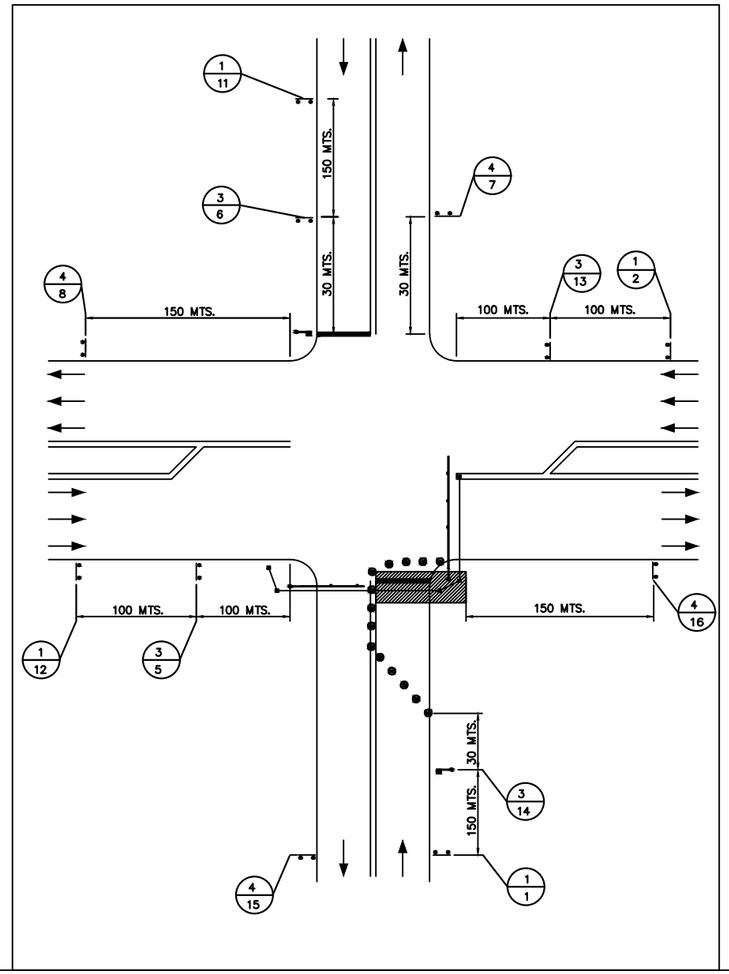
Sheet:
**MOT-2**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\MAINTENANCE OF TRAFFIC GENERAL NOTES, LEGEND AND CONSTRUCTION SC.; Plotted: 4/21/2022 5:00 p.m. by SVAZQUEZ; Saved: 4/21/2022 2:33 p.m. by INTEGRAUSER

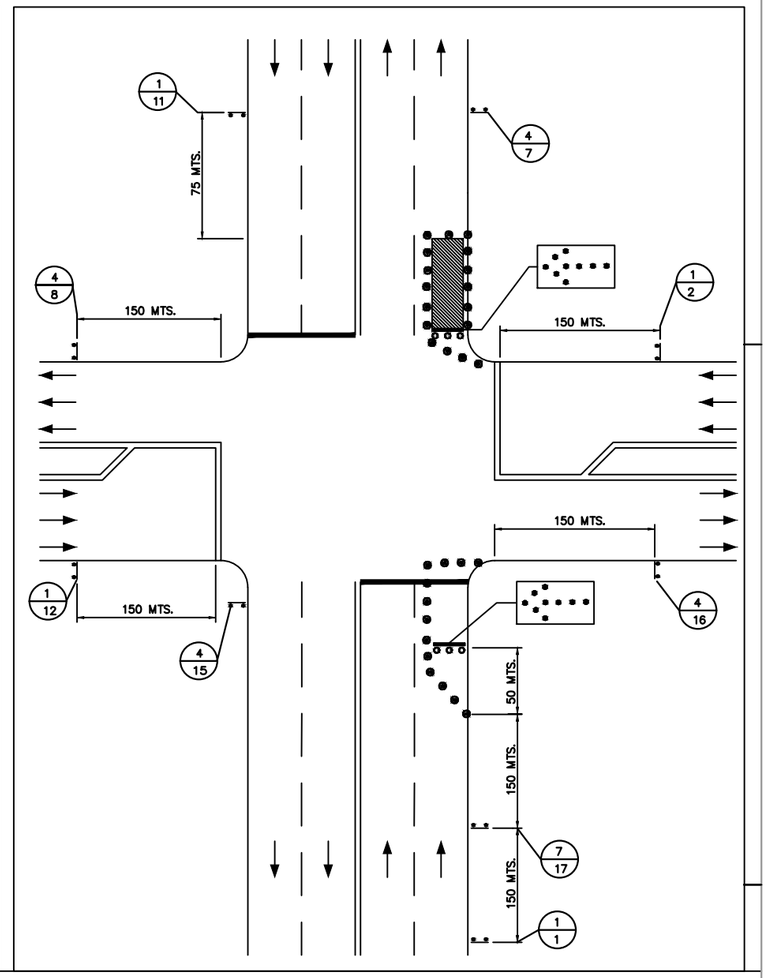
## TYPICAL APPLICATION V
## INTERSECTION DETAIL




## TYPICAL APPLICATION VI
## INTERSECTION DETAIL




## TYPICAL APPLICATION VII
## INTERSECTION DETAIL




## LEGEND:

- TRAFFIC SIGN LOCATION
- TRAFFIC DRUMS
- TRAFFIC FLOW
- WORK ZONE
- FLASHING ARROW PANEL
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- X — SIGN ID, Y — LOCATION — CONSTRUCTION SIGN (SEE TABLE ON MOT–4)
- FLAGGER (REFER TO MUTCD 2009, FLAGGER PROCEDURES ON SECTION 6E.07)

## NOTES:

1. REFER TO DWG. MOT-1 FOR TABLE OF DISTANCE BETWEEN SIGNS AND TABLE OF DISTANCE FOR TEMPORARY TRAFFIC CONTROL ZONE.
2. FOR MAINTENANCE OF TRAFFIC NOTES, REFER TO DWG. MOT-1.
3. FOR CONSTRUCTION SIGN TABLE REFER TO DWG. MOT-4.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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**MAINTENANCE OF TRAFFIC PLAN TYPICAL APPLICATION DIAGRAM**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**MOT-3**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\MAINTENANCE OF TRAFFIC GENERAL NOTES, LEGEND AND CONSTRUCTION SC; Plotted: 4/21/2022 5:00 p.m. by SVAZQUEZ; Saved: 4/21/2022 2:33 p.m. by INTEGRAUSER

## CONSTRUCTION SIGNS:

| CODE No. | LOCATION No. | SIGN CODE | LEGEND | SIZE OF SIGN PANELS | STRUCTURE TYPE | REFERENCE MANUAL | TOTAL ITEM |
|---|---|---|---|---|---|---|---|
| 1 | 1, 2, 11, 12 | W20–1 | CARRETERA EN CONSTRUCCION ADELANTE | 36" x 36" | GROUND MOUNTED | SEE D.T.P.W. MANUAL | 4 |
| 2 | 3, 4 | W20–4 | CARRETERA DE UN CARRIL 150 MTS. | 36" x 36" | GROUND MOUNTED | SEE D.T.P.W. MANUAL | 2 |
| 3 | 5, 6, 13, 14 | W20–7(A) | | 36" x 36" | GROUND MOUNTED | SEE D.T.P.W. MANUAL | 4 |
| 4 | 7, 8, 15, 16 | G20–2A | TERMINA TRABAJO EN CARRETERA | 48" x 36" | GROUND MOUNTED | SEE D.T.P.W. MANUAL | 4 |
| 5 | 9 | W21–5 | TRABAJO EN PASEO ADELANTE | 36" x 36" | GROUND MOUNTED | SEE D.T.P.W. MANUAL | 1 |
| 6 | 10 | W21–5c | PASEO CERRADO 150 MTS. | 36" x 36" | GROUND MOUNTED | SEE D.T.P.W. MANUAL | 1 |
| 7 | 17 | W4–2(R) | | 36" x 36" | GROUND MOUNTED | SEE MUTCD 2009 | 1 |


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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**MAINTENANCE OF TRAFFIC PLAN CONSTRUCTION SIGN TABLE**

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:

**MOT-4**


File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\MAINTENANCE OF TRAFFIC GENERAL NOTES, LEGEND AND CONSTRUCTION SC; Plotted: 4/21/2022 5:00 p.m. by SVAZQUEZ; Saved: 4/21/2022 2:33 p.m. by INTEGRAUSER
Sheet Template ID: OPE-F-07-B

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-A (FROM STA. 1+00 TO STA. 3+52 )**

**AREA-A (FROM STA. 3+52 TO STA. 6+43)**

SCALE 1:800
0 10 20 30


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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**PR-1**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:00 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

**AREA-A (FROM STA. 6+43 TO STA. 9+33)**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-A (FROM STA. 9+33 TO STA. 12+11)**

SCALE 1:800

0 10 20 30


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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:

# PR-2


Sheet Template ID: OPE-F-07-8
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:01 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

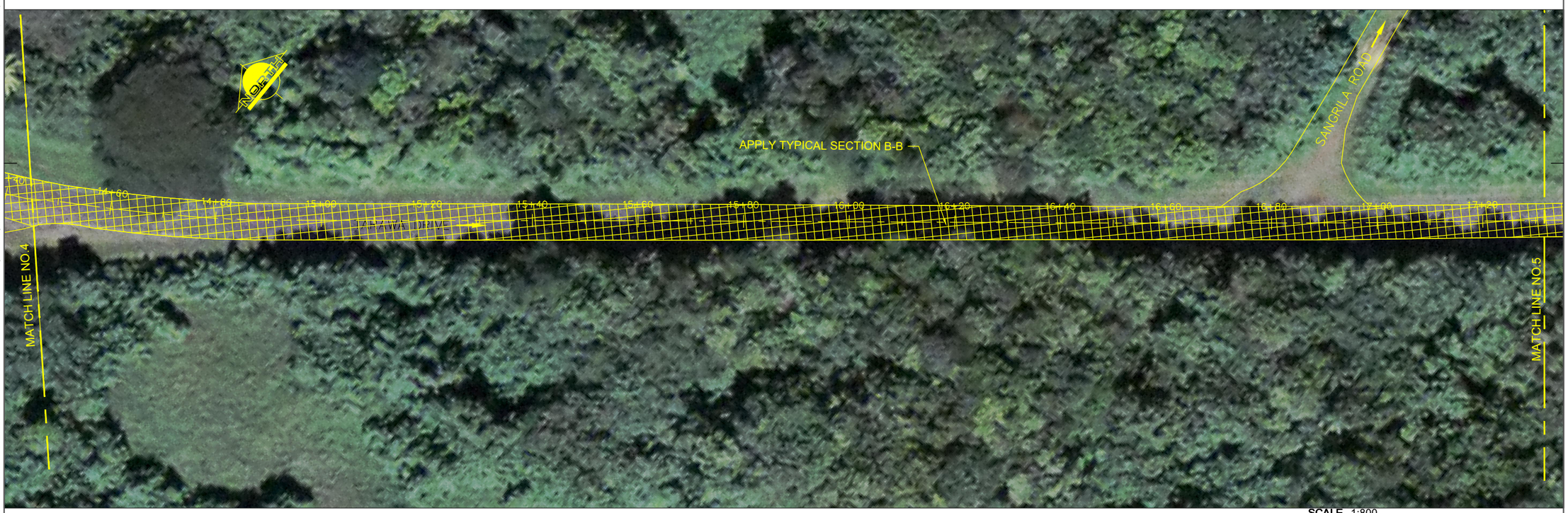
LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-B (FROM STA. 12+11 TO STA. 14+45 )**




**AREA-B (FROM STA. 14+45 TO STA.17+32)**

SCALE 1:800
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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

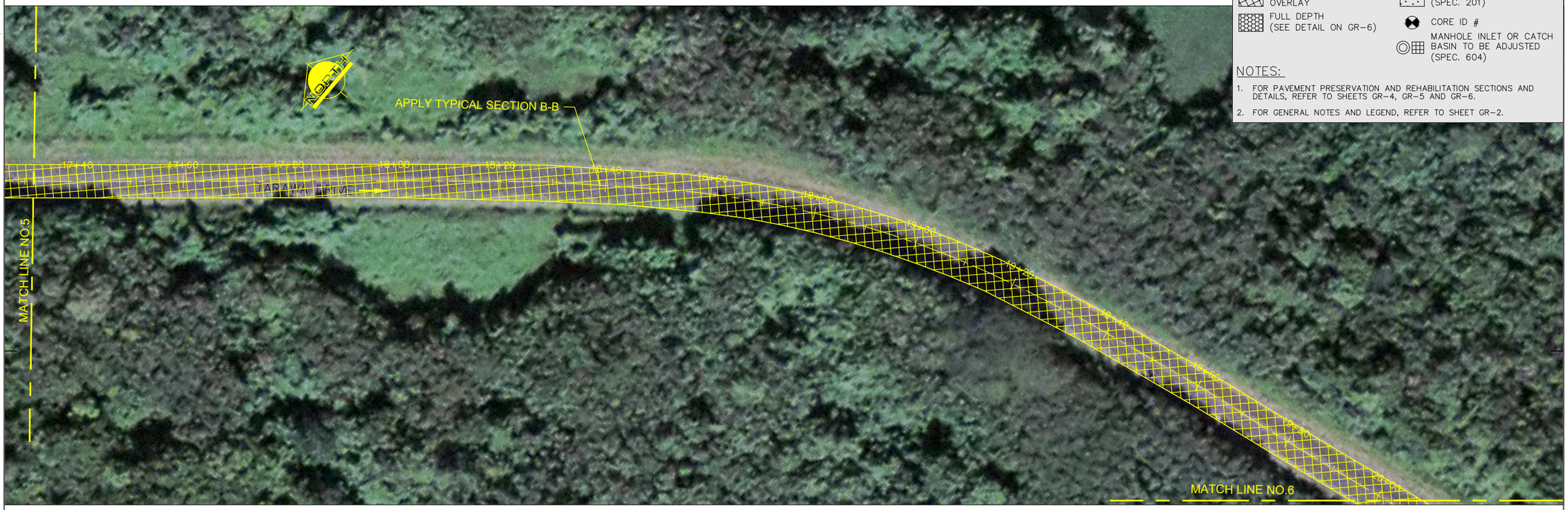
CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN####**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**PR-3**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:01 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER




**AREA-B (FROM STA. 17+32 TO STA. 20+02)**

**AREA-B (FROM STA. 20+02 TO STA. 22+61)**

SCALE 1:800

0 10 20 30

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:

**PR-4**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:01 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-B (FROM STA. 22+61 TO STA. 24+80)**

**AREA-B (FROM STA. 24+80 TO STA. 27+45)**

SCALE 1:800
0 10 20 30


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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:
**PR-5**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:02 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-B (FROM STA. 27+45 TO STA. 30+29)**

**AREA-B (FROM STA. 30+29 TO STA. 33+20 )**

SCALE 1:800
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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:
**PR-6**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:02 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

**AREA-C (FROM STA. 33+20 TO STA. 35+98)**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-C (FROM STA. 35+98 TO STA. 38+81)**

SCALE 1:800

0 10 20 30

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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:

**PR-7**

Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:02 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-C (FROM STA. 38+81 TO STA. 41+72)**

**AREA-C (FROM STA. 41+72 TO STA. 44+63)**

SCALE 1:800
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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**PR-8**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:02 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-C (FROM STA. 44+63 TO STA. 47+39)**

**AREA-C (FROM STA. 47+39 TO STA. 50+27)**

SCALE 1:800
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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:

**PR-9**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:02 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

**AREA-C (FROM STA. 50+27 TO STA. 51+26)**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

SCALE 1:800

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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:

**PR-10**

Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:02 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

**AREA-D (FROM STA. 1+00 TO STA. 3+65)**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-D (FROM STA. 3+65 TO STA. 5+57)**

SCALE 1:800
0 10 20 30

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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**PR-11**

Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:02 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

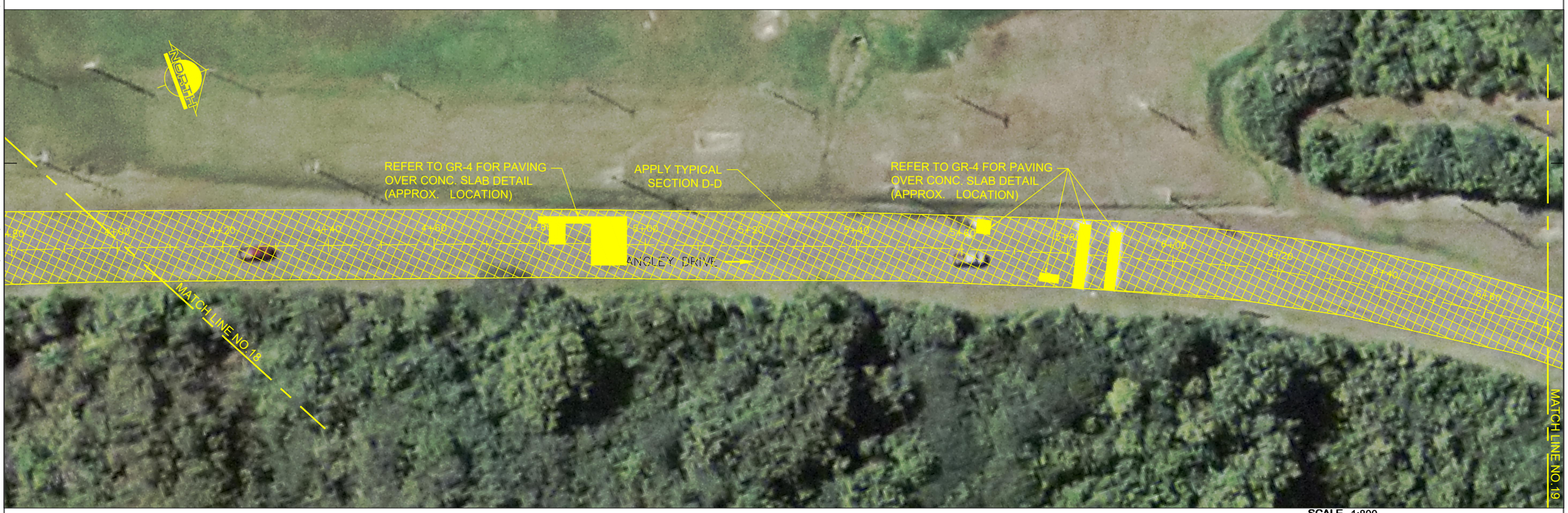
## AREA-E (FROM STA. 1+00 TO STA. 4+02)

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.




## AREA-E (FROM STA. 4+02 TO STA. 6+72 )

SCALE 1:800
0 10 20 30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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**PR-12**


Sheet Template ID: OPE-F-07-B
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LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-E (FROM STA. 6+72 TO STA. 9+72)**

**AREA-E (FROM STA. 9+72 TO STA. 12+68)**

SCALE 1:800
0 10 20 30


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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
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BID-PHASE

Sheet:
**PR-13**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:03 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

**AREA-E (FROM STA. 12+68 TO STA. 14+58)**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

1. FOR PAVEMENT PRESERVATION AND REHABILITATION SECTIONS AND DETAILS, REFER TO SHEETS GR-4, GR-5 AND GR-6.
2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

SCALE 1:800

0 10 20 30

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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:

**PR-14**

Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:03 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

**AREA-F (FROM STA. 1+00 TO STA. 3+13)**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

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2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

SCALE 1:800
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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

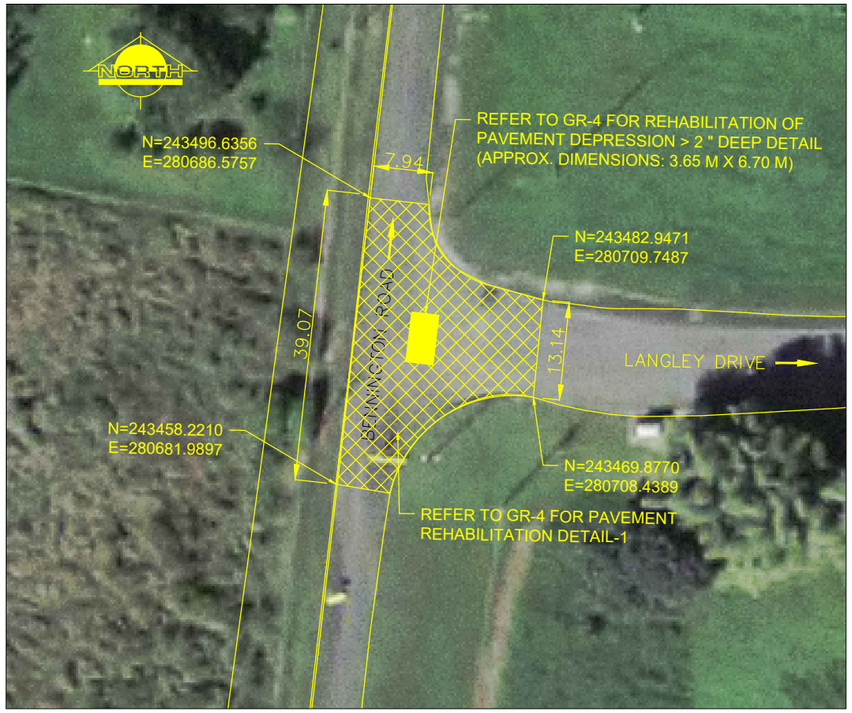
SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:

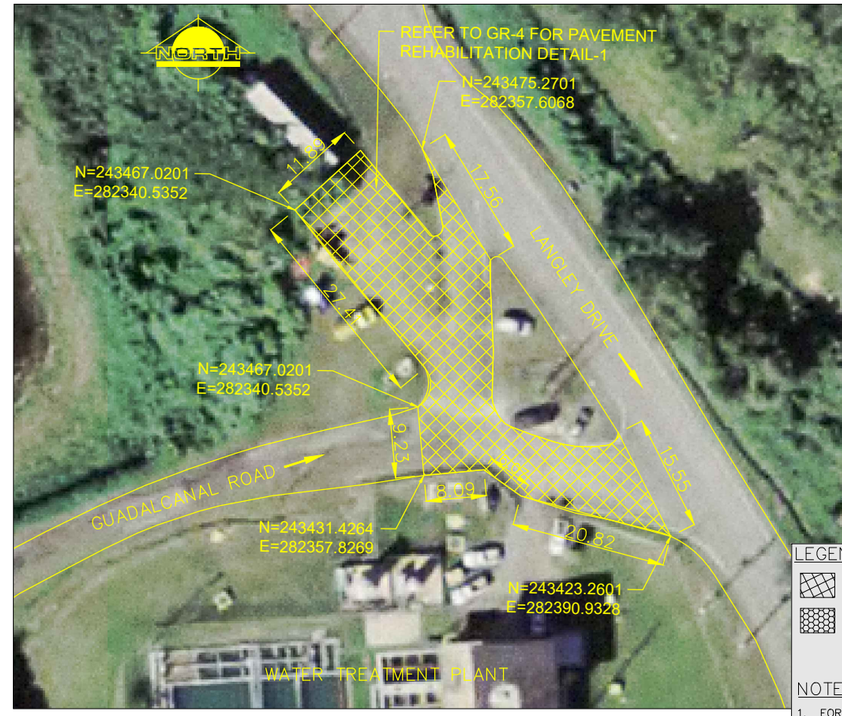
**PR-15**

Sheet Template ID: OPE-F-07-B
File: P:\pn\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:03 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

Sheet Template ID: OPE-F-07-B




**AREA-G**




**AREA-H**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
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2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

**AREA-I (FROM STA. 1+00 TO STA. 3+00)**

SCALE 1:800

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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:

**PR-16**

File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:03 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

**AREA-J (FROM STA. 1+00 TO STA. 2+26)**

LEGEND:

- 0.05m COLD MILLING AND OVERLAY
- FULL DEPTH (SEE DETAIL ON GR-6)
- CLEARING AND GRUBBING (SPEC. 201)
- CORE ID #
- MANHOLE INLET OR CATCH BASIN TO BE ADJUSTED (SPEC. 604)

NOTES:

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2. FOR GENERAL NOTES AND LEGEND, REFER TO SHEET GR-2.

SCALE 1:800

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LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:

**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO

Project No.: 19-1741.0

Drawing Title:

**PAVEMENT REHABILITATION PLAN**

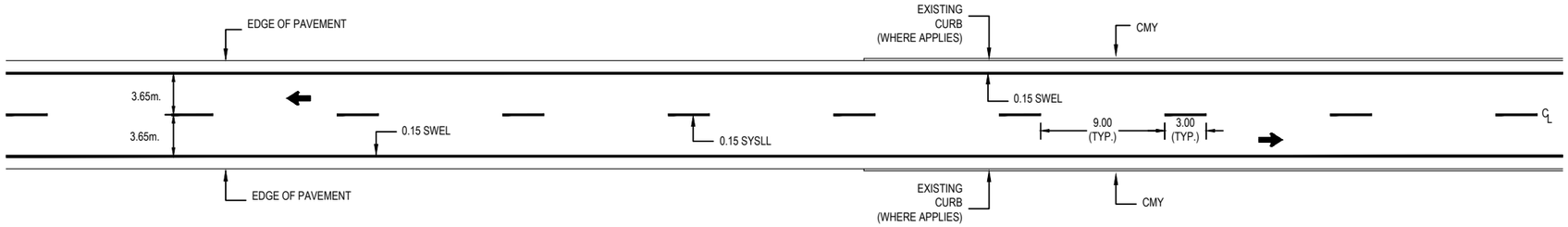
SET ISSUE DATE
APRIL 12, 2022
BID-PHASE

Sheet:

**PR-17**

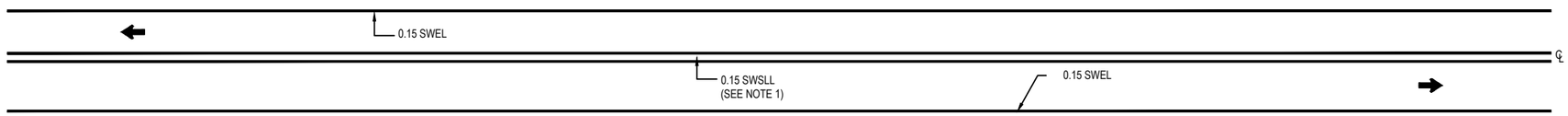
Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT REHABILITATION PLAN; Plotted: 4/21/2022 5:03 p.m. by SVAZQUEZ; Saved: 4/21/2022 4:38 p.m. by INTEGRAUSER

Sheet Template ID: OPE-F-07-8



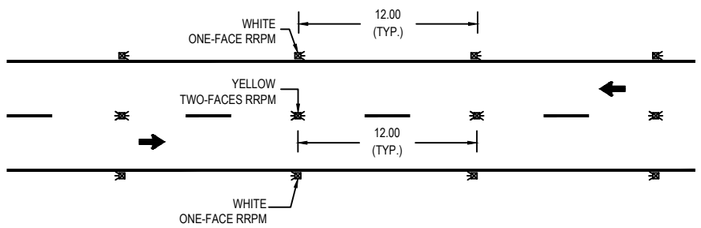

## TYPICAL PAVEMENT MARKING - DETAIL 1

SCALE: N.T.S.




## TYPICAL PAVEMENT MARKING - DETAIL 2

SCALE: N.T.S.




## REFLECTORIZED RAISED PAVEMENT MARKER DETAIL-1

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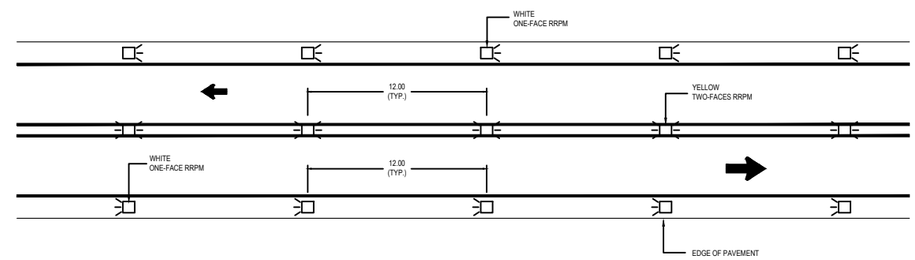


## REFLECTORIZED RAISED PAVEMENT MARKER DETAIL-2

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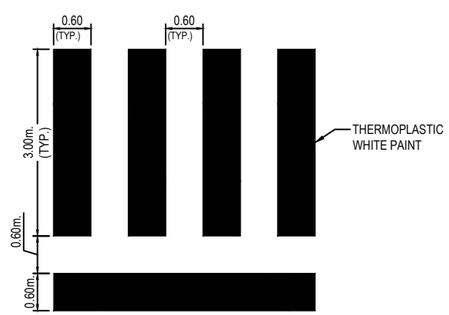
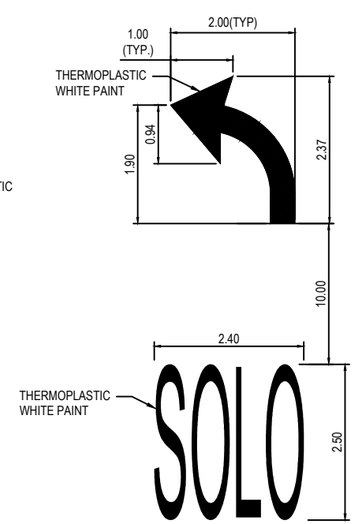



## PEDESTRIAN CROSSING DETAIL

SCALE: N.T.S.




## TURN LANE SYMBOL DETAIL

SCALE: N.T.S.

### *LEGEND:*

| | |
|---|---|
| SYSLL | SINGLE YELLOW SKIP LANE LINE |
| SWEL | SINGLE WHITE EDGE LINE |
| CMY | CURB MARKING YELLOW |
| DYSL | DOUBLE YELLOW SOLID LINE |
| SYSL | SINGLE YELLOW SOLID LINE |
| GL(W) | GORE LINE WHITE |
| ⊠ | REFLECTIVE RAISED PAVEMENT MARKERS (RRPM) (SEE NOTE 2) |
| ➡ | TRAFFIC DIRECTION |

### NOTES:

1. EXISTING PAVEMENT MARKING WITHIN THE PROJECT LIMIT SHALL BE REMOVED DURING THE MILLING PROCESS.
2. REFLECTIVE RAISED PAVEMENT MARKERS (RRPM) IS INCLUDED ON SPEC. 640-REFLECTIVE RAISED PAVEMENT MARKER PAY ITEM.

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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT MARKING DETAILS**

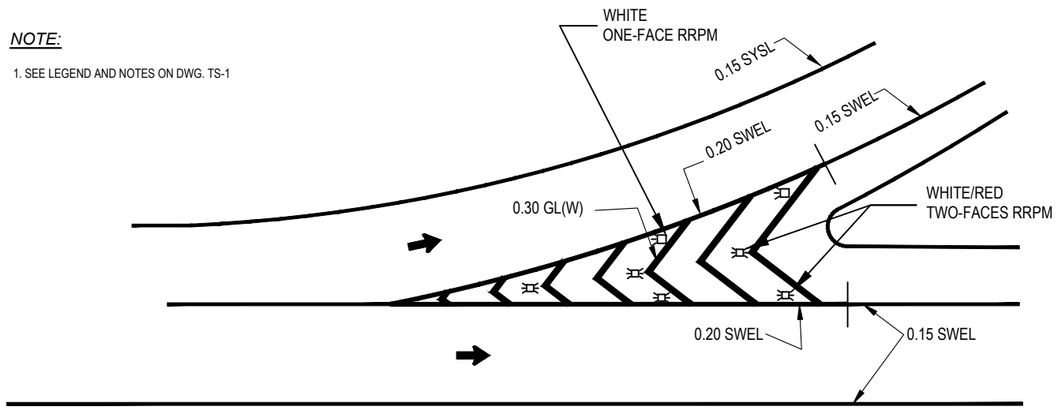
SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**TS-1**

File: P:\pr\19-Ceiba\1741.0 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT MARKING DETAILS. Plotted: 4/21/2022 5:04 p.m. by SVAZQUEZ. Saved: 4/21/2022 2:33 p.m. by INTEGRAUSER

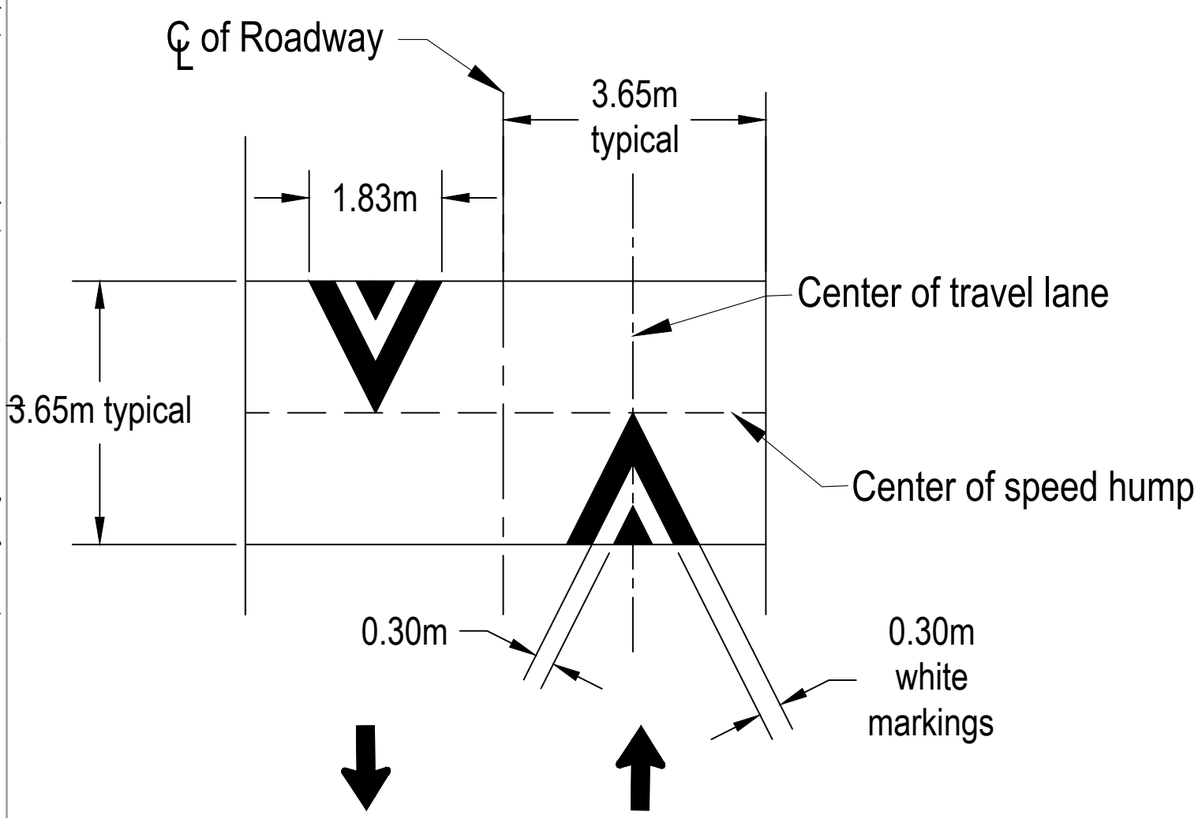
*NOTE:*

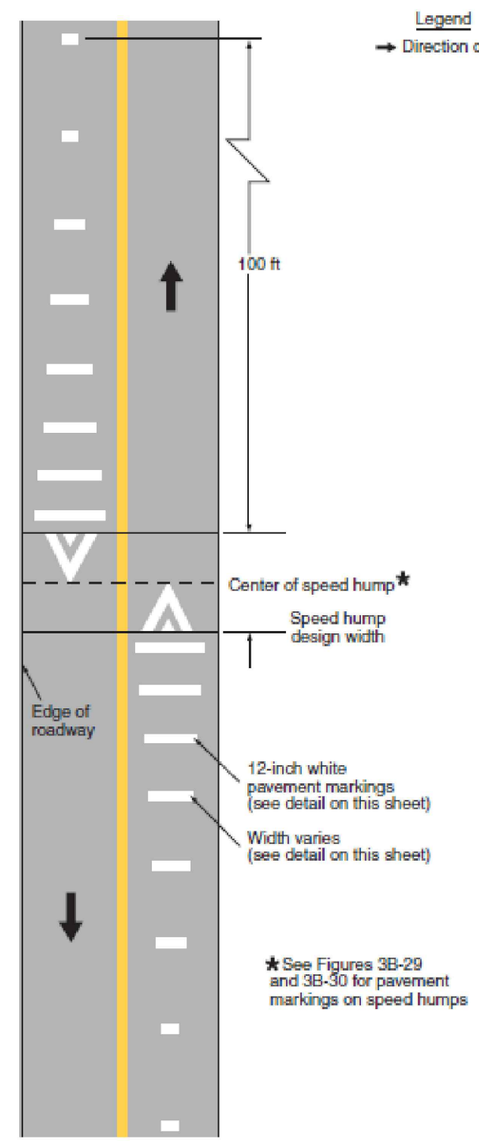
1. SEE LEGEND AND NOTES ON DWG. TS-1




**TYPICAL PAVEMENT MARKING & REFECTORIZED RAISED PAVEMENT MARKER DETAIL**

SCALE: N.T.S.



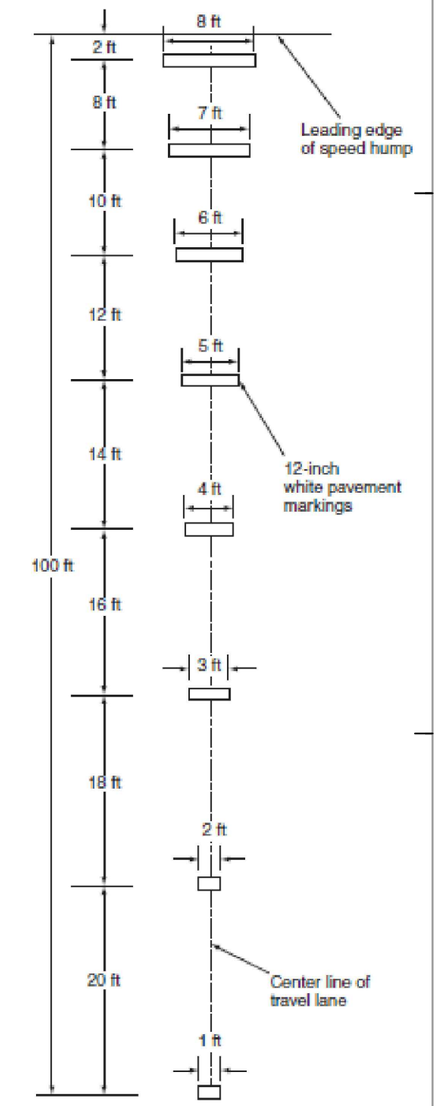




**PAVEMENT MARKING FOR SPEED HUMPS**

SCALE: N.T.S.

Legend

→ Direction of travel




**DETAIL—SPEED HUMP ADVANCE WARNING MARKINGS**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Stamp:

LOCAL REDEVELOPMENT AUTHORITY FOR ROOSEVELT ROADS

Revisions:

| No. | Date & Description |
|---|---|

Project Name:
**PAVEMENT REHABILITATION AT ROOSEVELT ROADS RE-DEVELOPMENT**

CEIBA & NAGUABO, PUERTO RICO

Client: GOVERNMENT OF PUERTO RICO
Project No.: 19-1741.0
Drawing Title:
**PAVEMENT MARKING DETAILS**

SET ISSUE DATE
▶APRIL 12, 2022◀
BID-PHASE

Sheet:
**TS-2**


Sheet Template ID: OPE-F-07-B
File: P:\pr\19-Ceiba\17410 ROOSEVELT RD AE CONSULT\Job 162 Re-Asphalt Bid Package\Drawings\PAVEMENT MARKING DETAILS; Plotted: 4/21/2022 5:04 p.m. by SVAZQUEZ; Saved: 4/21/2022 2:33 p.m. by INTEGRAUSER