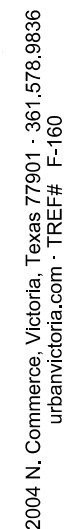


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PAVING & GRADING PLAN	C4
STANDARD DETAILS	C5 - C6

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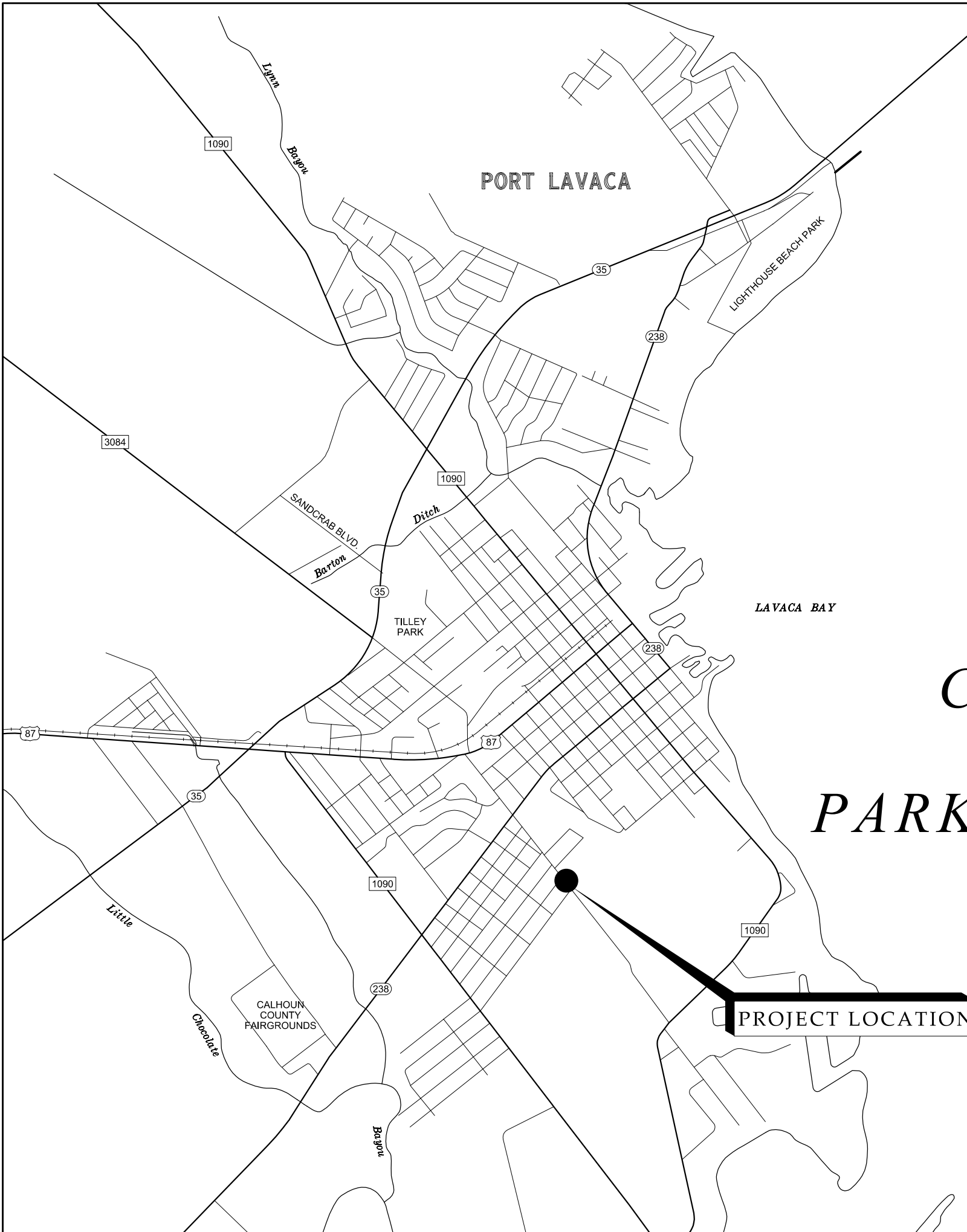
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1. STRIP AND REMOVE ALL VEGETATION, LOOSE TOPSOIL, TREES AND ROOTS WITHIN THE CONSTRUCTION AREA.
2. IMPORTED FILL MATERIALS, WHEN REQUIRED TO ACHIEVE FINAL SUBGRADE ELEVATION, SHALL BE CHOSEN THAT EXHIBIT SIMILAR CLASSIFICATION AND PHYSICAL PROPERTIES AS THE IN-SITU SOILS. SAMPLES OF THE FILL MATERIAL SHALL BE SUBMITTED TO THE OWNER'S TESTING LABORATORY 7 DAYS PRIOR TO PLACEMENT. SUBGRADE FILL, WHERE REQUIRED, SHALL BE PLACED IN 6" LOOSE LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (ASTM D698) AT + 2% OF OPTIMUM MOISTURE.
3. ONCE FINAL SUBGRADE ELEVATION HAS BEEN ACHIEVED, THE EXPOSED SUBGRADE SHALL BE PROOF-ROLLED IN ACCORDANCE WITH THE SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. PROOF-ROLLING SHALL BE PERFORMED TO DESTROY WEAK ZONES. WEAK AREAS DETECTED DURING THE PROOF-ROLLING PROCESS, AS WELL AS ZONES CONTAINING DEBRIS AND/OR ORGANICS SHALL BE REMOVED AND REPLACE WITH SOILS MEETING THE REQUIREMENTS FOR IMPORTED FILL.



1. CEMENT STABILIZED SAND SHALL CONTAIN A MINIMUM OF 1 1/2 SACKS OF CEMENT PER CUBIC YARD. THE SAND SHALL BE SP, SW OR SM PER USC (ASTM D2487) AND SHALL HAVE THE FOLLOWING PROPERTIES: LESS THAN 15% PASSING #200 SIEVE (PER ASTM C136); LESS THAN 0.5% CLAY LUMPS; PLASTICITY LESS THAN 4; LIQUID LIMIT LESS THAN 25.

2) PAVEMENT PATCH
(PROPOSED CONCRETE TO EXISTING FLEXIBLE PAVEMENT)

1. INSTALLATION OF PRECAST STRUCTURES SHALL BE PER MANUFACTURERS INSTRUCTIONS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRE-CAST STRUCTURES TO ENGINEER PRIOR TO ORDERING MATERIALS.
2. PRECAST STRUCTURE AND GRATE SHALL BE DESIGNED FOR AASHTO HS-20 WHEEL LOADING.
3. PLACE RAMMEK OR EQUAL GASKET MATERIAL BETWEEN PRECAST STRUCTURE SECTIONS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
4. CEMENT STABILIZED SAND SHALL CONTAIN A MINIMUM OF 1 1/2 SACKS OF CEMENT PER CUBIC YARD. SAND SHALL BE SP. SW OR SM PER USC (ASTM D2487) AND SHALL HAVE THE FOLLOWING PROPERTIES: LESS THAN 15% PASSING #200 SIEVE; LESS THAN 2% CLAY LUMPS; PI < 7; LL < 25.



1. REINFORCING STEEL SHALL BE ASTM A615, GRADE 40.
2. EXPANSION JOINTS SHALL BE LOCATED AT DRIVEWAYS AND OTHER FIXED OBJECTS, AND AT 45' MAXIMUM INTERVALS ALONG THE SIDEWALK OR AS INDICATED ON PLANS.
3. EXPANSION JOINT SHALL BE SEALED SONNEBORN BUILDING PRODUCT; SONOLASTIC SL-1; NON-PRIME, ONE-PART, SELF-LEVELING POLYURETHANE SEALANT OR APPROVED EQUIV. JOINT SEALING AND PREPARATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. TOoled CONTRACTION JOINTS SHALL BE LOCATED AT REGULAR INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK OR AS INDICATED ON PLANS. JOINTS SHALL BE SPACED SO THAT THE RESULTING PANELS ARE SQUARE. IN NO CASE SHOULD THE LENGTH OF A PANEL EXCEED 1.5 TIMES THE WIDTH. FINISH EXPANDED EDGE SHALL BE TO THE CENTERLINE.
5. CONCRETE SHALL MEET THE REQUIREMENTS OF TXDOT (2014) ITEM 421--HYDRAULIC CEMENT CONCRETE, CLASS A (3,000 PSI), WITH THE FOLLOWING MODIFICATIONS: SLOPE SHALL RANGE FROM 4 INCHES TO 4 1/2 INCHES AT THE CURB.
6. MAXIMUM LONGITUDINAL SLOPE FOR ANY SIDEWALK SHALL BE 1:20 (5.0%).
7. MAXIMUM TRANSVERSE SLOPE FOR ANY SIDEWALK SHALL BE 1:50 (2.0%).



1. NEW PIPE TO BE SET FLUSH WITH INSIDE WALL OF STRUCTURE.



1. BANK RUN SAND SHALL BE SP, SW OR SM PER USC (ASTM D2487) AND SHALL HAVE THE FOLLOWING PROPERTIES: LESS THAN 15% PASSING #200 SIEVE; LESS THAN 2% CLAY LUMPS; PI < 7; LL < 25.

2. CEMENT STABILIZED SAND SHALL CONTAIN A MINIMUM OF 1 1/2 SACKS OF CEMENT PER CUBIC YARD. THE SAND SHALL BANK RUN SAND AS SPECIFIED ABOVE.



ISSUE

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<input type="checkbox"/>	CONSTRUCTION

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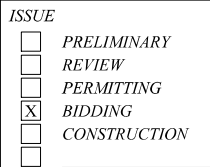
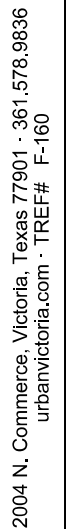
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1. MAXIMUM SLOPE IN ANY DIRECTION (INCLUDING DIAGONAL) SHALL NOT EXCEED 2%.
2. THE ACCESSIBLE ROUTE SHALL CONFORM TO ITEM 4.3 OF TEXAS ACCESSIBILITY STANDARDS.



1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.

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