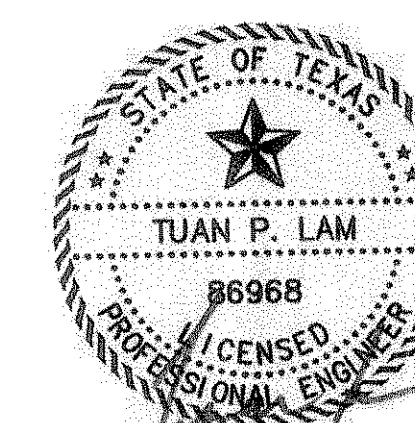


GRADING NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY'S PLANS AND SPECIFICATIONS, EXCEPT AS NOTED HEREIN AND APPROVED BY THE CITY AND NCTCOG 3RD EDITION.
2. THE LOCATION OF ALL UTILITIES LOCATED ON THESE PLANS ARE TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS, ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING CONSTRUCTION OF THE PAVING FOR THIS DEVELOPMENT.
4. DRAINAGE SHOULD BE MAINTAINED AWAY FROM THE FOUNDATIONS, BOTH DURING AND AFTER CONSTRUCTION.
5. GEOTECH REPORT TO BE PROVIDED BY OTHERS. ALL RECOMMENDATIONS CONTAINED WITHIN GEOTECHNICAL REPORT SHALL BE FOLLOWED IN THE CONSTRUCTION OF THIS PROJECT. ALL EARTHWORK OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS PER THE GEOTECHNICAL REPORT.
6. THE SUBGRADE IN AREAS TO BE FILLED SHOULD BE STRIPPED OF VEGETATION AND ANY MAJOR ROOT SYSTEMS. IT SHOULD THEN BE PROOFROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT PUMPING AREAS SHOULD BE UNDERCUT AND PROPERLY BACKFILLED. THE SUBGRADE SHOULD THEN BE SCARIFIED TO A MINIMUM +2 PERCENTAGE POINTS ABOVE THE SOIL'S OPTIMUM MOISTURE DETERMINED BY THE TEST.
7. ALL FILL TO BE COMPACTED USING A SHEEP'S FOOT ROLLER. ALL BACKFILL SHALL BE COMPACTED TO 95% PROCTOR DENSITY. BACKFILL SHOULD BE STRIPPED OF VEGETATION AND ANY MAJOR ROOT SYSTEMS. IT SHOULD THEN BE PROOFROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT PUMPING AREAS SHOULD BE UNDERCUT AND PROPERLY BACKFILLED. THE BACKFILL SHOULD THEN BE SCARIFIED TO A MINIMUM +2 PERCENTAGE POINTS ABOVE THE SOIL'S OPTIMUM MOISTURE DETERMINED BY THAT TEST. THE FILL MATERIALS SHOULD THEN BE SPREAD IN LOOSE LIFTS, LESS THAN 8 INCHES THICK, AND UNIFORMLY COMPACTED TO THE SAME CRITERIA. IF FILLING IS SUSPENDED AND THE SUBGRADE BECOMES DESICCATED OR RUTTED, IT SHOULD BE REWORKED PRIOR TO PLACEMENT OF A SUBSEQUENT LIFT. ALL FILL TO BE COMPACTED USING A SHEEP FOOT ROLLER.
8. COMPACTION TEST SHALL BE DONE FOR EACH 8" OF FILL, BUT NOT LESS THAN ONE TEST FOR EVERY CUBIC YARDS, OR MORE FREQUENTLY IF REQUIRED BY THE SOILS ENGINEER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COSTS INCURRED FOR THE INSPECTION AND TESTING OF SOILS DUE TO FAILURE TO COMPLY WITH THE MINIMUM REQUIREMENTS OF THE SOILS REPORT.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TUAN P. LAM, P.E. 86968 ON 03/21/14. ALTERATION OF A SEALED DOCUMENT WITHOUT THE PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

GRADING PLAN

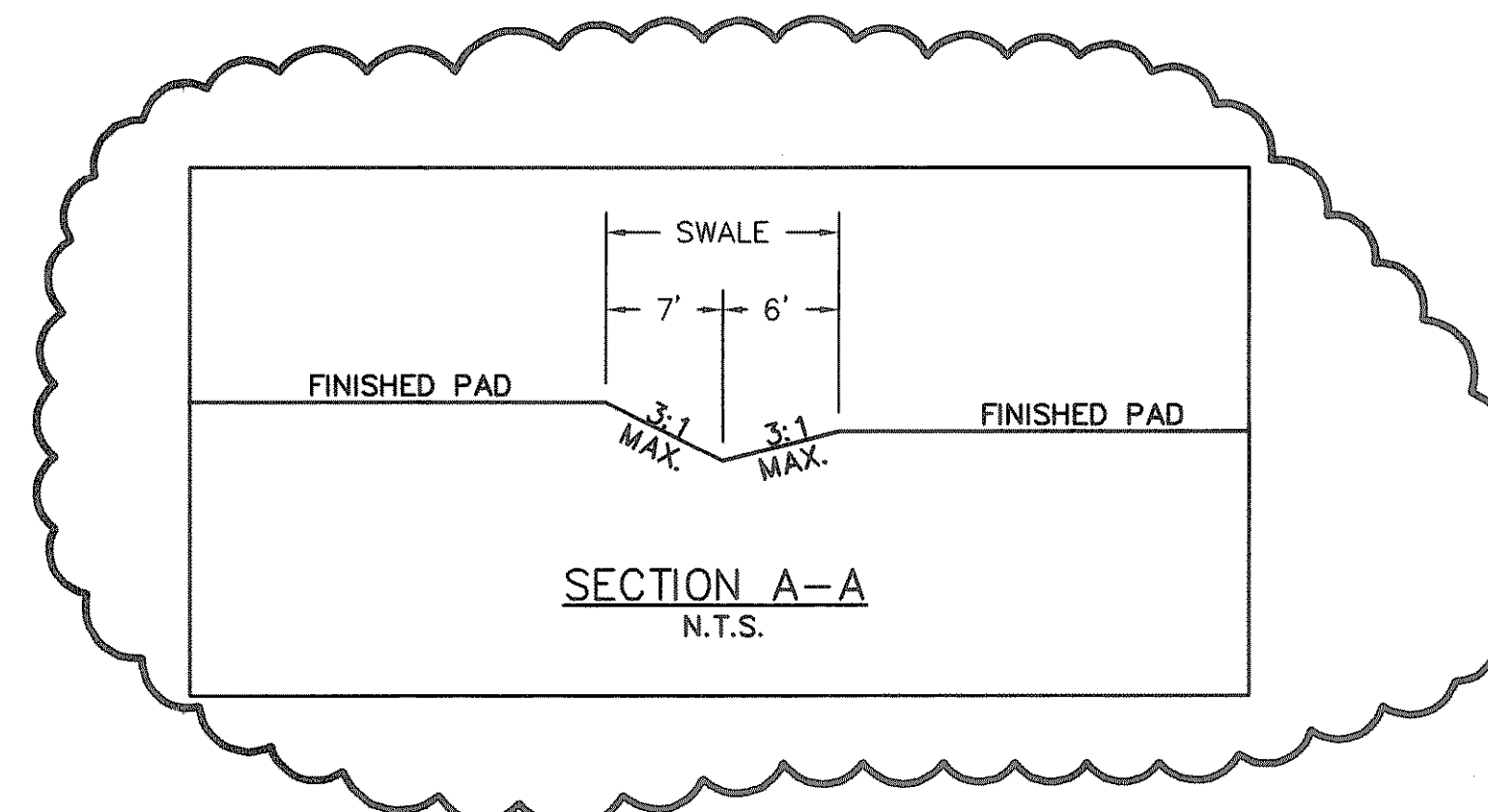
SHADY DALE ESTATES
LOT 1-14, BLOCK 1
ROCKWALL, TEXAS.

LCE LAM CONSULTING ENGINEERING
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 Firm #F-9763

DESIGN:	LCE	CHECK:	LCE	SCALE:	AS NOTED	3 of 5
DRAWN:	CTL	DATE:	MARCH 2014	PROJECT:	0486-14	

CONTRACTOR SHALL PAY ALL PERMIT FEES AND WILL SETUP PRE-CONSTRUCTION MEETING PRIOR TO COMMENCING ANY WORK.

THE INFORMATION SHOWN ON THIS PLAN ARE FROM RECORD DRAWINGS. THE ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION SHOWN ON THIS DRAWING. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES AND CONTACT ALL UTILITY COMPANIES 48 HRS PRIOR TO ANY EXCAVATION. 1-800-DIG TESS



LEGEND

- | | |
|-----------|--------------------------------|
| 450.00 TP | TOP OF PAVING ELEVATION |
| 450.00 FG | FINISHED GRADE/ BOTTOM OF WALL |
| 450.00 TC | TOP OF CURB ELEVATION |
| 450.00 G | GUTTER ELEVATION |
| → | PROPOSED FLOW ARROW |

BENCHMARK:

- 1) CITY OF ROCKWALL BENCHMARK "RESET #1" NEAR THE INTERSECTION OF SUMMER LEE AND FM 740. ELEV. = 567.70
- 2) TEMP. BENCHMARK - PK NAIL IN THE MIDDLE OF SHADY DALE LANE, SOUTH OF LOT 1, OF THE SHADY DALE ESTATES. ELEV. = 566.34
- 3) TEMP. BENCHMARK - PK NAIL IN THE MIDDLE OF SHADY DALE LANE, SOUTH OF LOT 14, OF THE SHADY DALE ESTATES. ELEV. = 555.24