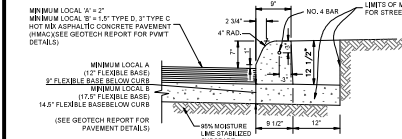


LOCATION MAP
N.T.S.

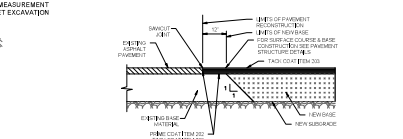
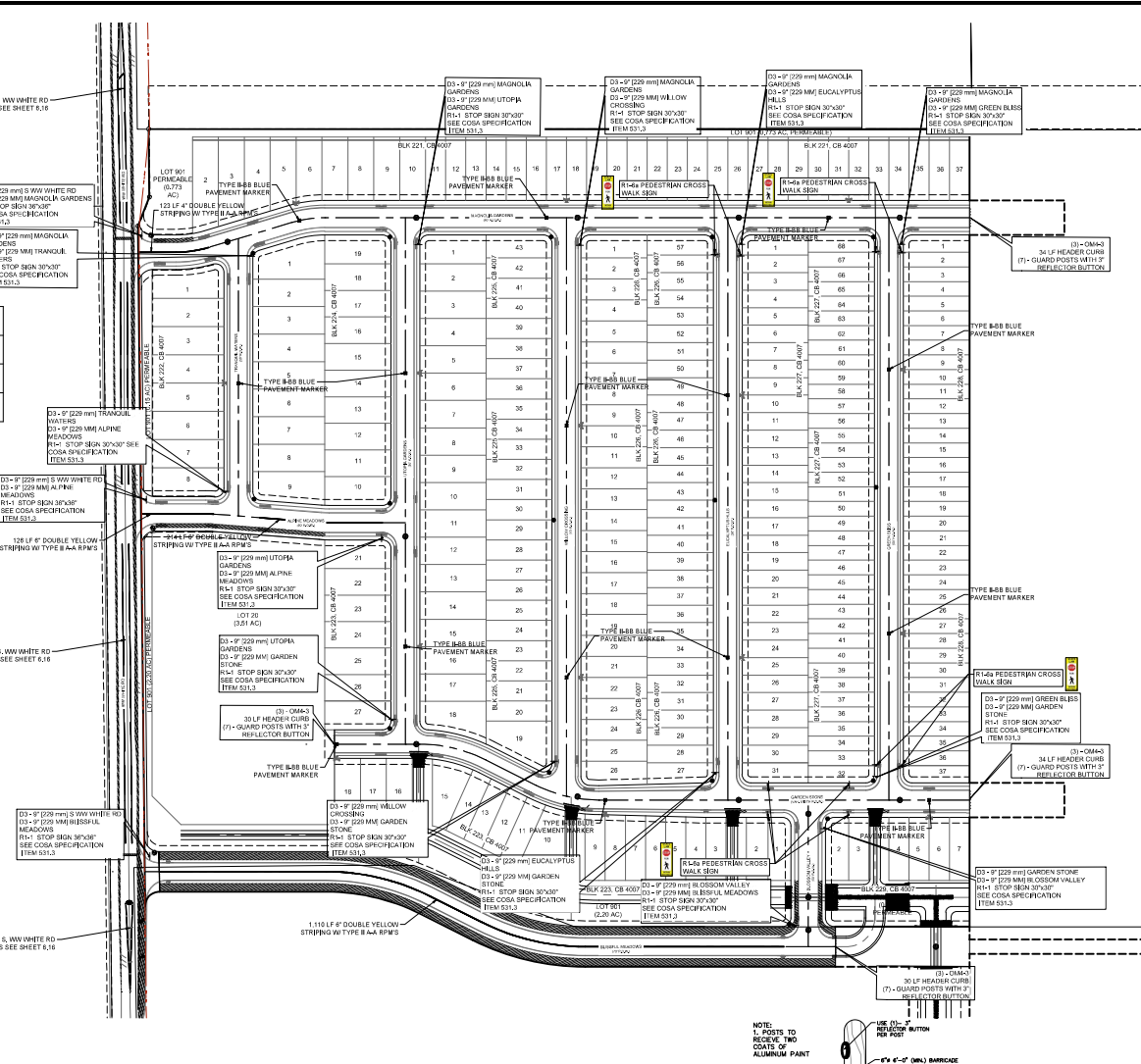
PAVEMENT SECTION TABLE CBR = 3.0%	LOCAL A (NO BUS)	LOCAL B	COLLECTOR	ARTERIAL
HOT MIX ASPHALT CONCRETE (TYPE "C" or "D") DEPTH	TYPE D = 4.0" TYPE C = 4.0"	TYPE D = 4.0" TYPE C = 4.0"	TYPE D = 4.0" TYPE C = 4.0"	TYPE C = 4.0"
TYPE A GRADE 42 GRANULAR BASE COURSE	12.0"	17.5"	14.5"	17.5"
LIME TREATED SUBGRADE (SEE GENERAL NOTE 4)	6.00"	6.00"	6.00"	—

- CONTRACTOR TO REFER TO GEOTECHNICAL ENGINEERING BY TTI, INC. DATED NOVEMBER 17, 2023 FOR HARBOR DRIVE IMPROVEMENTS, TTI, INC. PROJECT NO. 00300000030.
- MINIMUM OF 4" FLEXIBLE BASE OR 2" OF ASPHALT TREATED BASE IS REQUIRED UNDER THE CURB (REFER TO PAVEMENT & CURB DETAILS).
 - LINE TREATMENT SHALL BE PERFORMED ONLY ON THE DARK BROWN CLAY SUBGRADE. THE SUBGRADE SHALL BE TREATED WITH HYDRATED LIME IN ACCORDANCE WITH TxDOT ITEM 306. USE ANTEBITER THAT APPROXIMATELY 1% HYDRATED LIME WILL BE REQUIRED. APPROXIMATELY 3% LSSV. THE OPTIMUM HYDRATED LIME CONTENT SHOULD RESULT IN A SOLID LIME Mixture WITH A RH OF AT LEAST 12.4 WHEN TESTED IN ACCORDANCE WITH ASTM C 877. APPENDIX XI OF THE HYDRATED LIME SHOULD BE INITIALLY BLENDED WITH A MIXING DEVICE SUCH AS A PLIOMBER AFTER SUFFICIENT MOISTURE CONDITION. THE TREATED SOL Mixture SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH THE STANDARD PROCTOR (ASTM D 1557). AT MOISTURE CONTENTS FROM OPTIMUM TO +4 PERCENTAGE POINTS OF THE OPTIMUM CONTENT. IF THE SURFACE GRADATION REQUIREMENTS CAN BE ACHIEVED DURING INITIAL MIXING, THE REMAINING AFTER THE CURING PERIOD CAN BE ELIMINATED.
 - GEOTECHNICAL ENGINEER TO BE ON SITE TO MAKE FINAL SUBGRADE DETERMINATION. CHANGES TO THE PAVEMENT DESIGN SHALL BE SUBMITTED TO COAGARD & BERNAR COUNTY PRIOR TO PLACEMENT OF BASE MATERIAL.

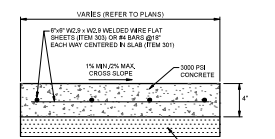
- PAVEMENT NOTE:
GEOTECHNICAL ENGINEER TO BE ON SITE TO MAKE FINAL SUBGRADE DETERMINATION. CHANGES TO THE PAVEMENT DESIGN SHALL BE SUBMITTED TO COAGARD & BERNAR COUNTY PRIOR TO PLACEMENT OF BASE MATERIAL.
- GENERAL NOTES
- INPUT PARAMETERS USED IN PAVEMENT SECTION CALCULATIONS ARE SHOWN IN TABLE NO. 5.1.1 (TTL & PAGE 7) OF TSG PROJECT NO. 00300000030. PROST SERVICES, INC., PLEASE CALL TTI, INC. AND PROST SERVICES TO PROVIDE PAVEMENT RECOMMENDATIONS, IF NEEDED, FOR DIFFERENT INPUT VALUES.
 - IF REPEATING TRUCK OR HEAVY TRUCK TRAFFIC IS ANTICIPATED, PLEASE CONTACT US FOR REVISED PAVEMENT RECOMMENDATIONS.
 - PAVEMENT SECTION RECOMMENDATIONS ARE BASED ON A SUBGRADE CBR VALUE OF 3.0. THE PAVEMENT RECOMMENDATIONS ARE NOT BASED ON THE SHRINK SWELL CHARACTERISTICS OF THE UNDERLYING SOILS. THE PAVEMENT CAN EXHIBIT CRACKING AND DEFORMATION DUE TO SHRINKAGE AND SWELLING CHARACTERISTICS OF THE SOILS AS DESCRIBED IN THE VERTICAL MOVEMENTS SECTION OF THIS REPORT. USE OF SECOND HELPS REDUCE THE SHRINK SWELL RELATED CRACKING.
 - THE SUBGRADE SHOULD BE TREATED TO A DEPTH OF 6 INCHES USING 8% LIME CONTENT, APPROX. 43 LBS PER 50 YARDS.
 - THE SUBGRADE MAY ALSO BE STABILIZED WITH CEMENT IN LBO OF LIME. CEMENT APPLICATION RATES SHOULD BE DETERMINED AT THE TIME OF CONSTRUCTION.
 - IF WATER IS ALLOWED TO GET UNDERNEATH THE ASPHALT, OR IF MOISTURE CONTENT OF THE BASE OR SUBGRADE CHANGES SIGNIFICANTLY, THEN PAVEMENT DISTRESS WILL OCCUR. MOISTURE PENETRATION UNDERNEATH THE ASPHALT PAVEMENT SURFACE MAY BE REDUCED BY INSTALLING A VERTICAL MOISTURE BARRIER, SUCH AS DESPER CURBS, CURBS EXTENDING A MINIMUM OF 6 INCHES INTO SUBGRADE.
 - TTI RECOMMENDS THAT A CBR VALUE OF 3.0 PERCENT BE USED TO REPRESENT THE PAVEMENT SUBGRADE CONDITIONS AT THIS SITE.



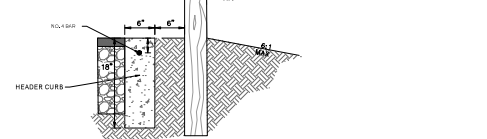
7" MACHINE LAID CURB DETAIL
N.T.S.



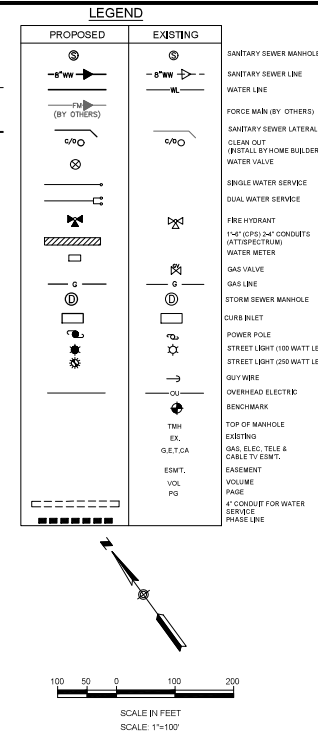
PAVEMENT TIE-IN DETAIL
N.T.S.



SIDEWALK DETAIL
N.T.S.



HEADER CURB & BARRICADE POST DETAIL
N.T.S.



GRACE GARDENS SUBDIVISION UNIT 1
LAND-PLAT-23-11800410
SIGNAGE PLAN

DATE: 09/15/2024
DESIGNED BY: RICHARD W. GRAY, INC.
CHECKED BY: RGS
DRAWING NAME: 23-11800410-01-01
JOB NUMBER: SA023-0401B-426
SHEET NO. 6.18
OF SHEETS