

THE KENNEDY CENTER PARKING LOT RECONSTRUCTION WOODSIDE AVENUE & LINDEMAN DRIVE TRUMBULL, CONNECTICUT

PREPARED FOR :

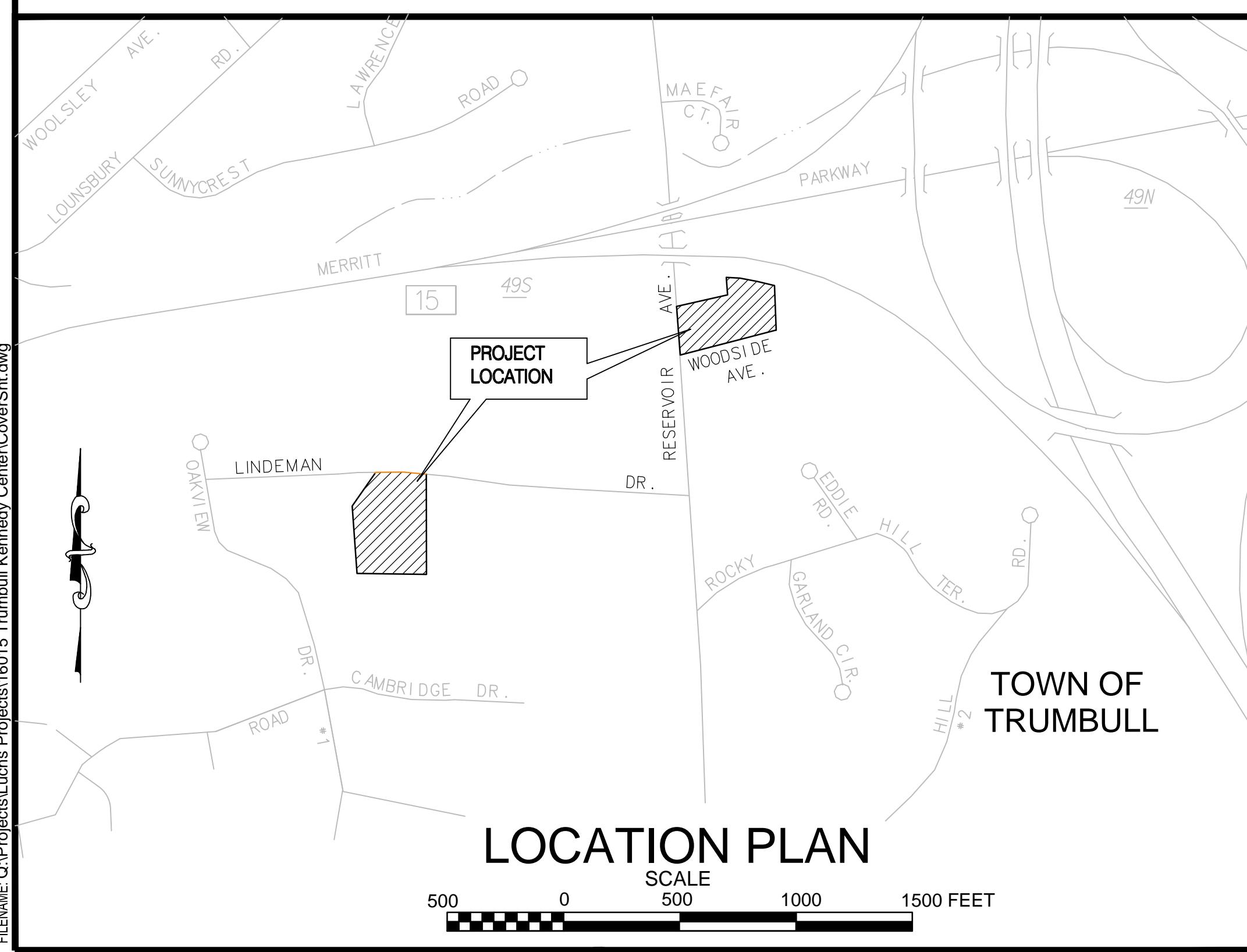
TOWN OF TRUMBULL



FIRST SELECTMAN: TIMOTHY M. HERBST

DEPARTMENT OF PUBLIC WORKS

DIRECTOR OF PUBLIC WORKS: JOHN MARSILIO
TOWN ENGINEER: FRANK SMERIGLIO



DATE: SEPTEMBER, 2016

INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
1	TSH-1	TITLE SHEET
2	GEN-1	NOTES
3-5	PLN-1 TO PLN-3	PARKING LOT RECONSTRUCTION PLANS
6	DET-1	CONSTRUCTION DETAILS
7	DET-2	CONSTRUCTION DETAILS

GENERAL NOTES:

- EXISTING CONDITIONS ARE NOT BASED UPON FIELD SURVEY. BASE INFORMATION IS COMPILED FROM TOWN OF TRUMBULL G.I.S. MAPPING AND VISUAL FIELD EDITS, LOCATIONS OF SITE FEATURES ARE APPROXIMATE.
- THE SHADED LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
- EXISTING UTILITY INFORMATION IS NOT KNOWN, THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE LOCATION OF EXISTING UTILITIES. THE ENGINEER AND OWNER MAKE NO GUARANTEE AS TO THE UNDERGROUND CONDITIONS THAT MAY BE ENCOUNTERED.
- PER CONNECTICUT LAW, CONTRACTOR SHALL CALL 1-800-922-4455 OR 811 AND THE TOWN OF TRUMBULL PRIOR TO ANY UNDERGROUND EXCAVATION ON SITE. THE "CALL BEFORE YOU DIG" SERVICE WILL FIELD LOCATE AND MARK UNDERGROUND UTILITIES IN THE FIELD. THE "CALL BEFORE YOU DIG" VERIFICATION NUMBER SHALL BE SUBMITTED TO THE TOWN OF TRUMBULL PRIOR TO ANY DEMOLITION AND REMOVAL OR CONSTRUCTION WORK.
- ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
- ALL EXCAVATION SHALL COMPLY WITH OSHA'S LATEST STANDARDS. ALL REQUIREMENTS OF OSHA'S EXCAVATION STANDARDS SHALL BE PROVIDED BY THE CONTRACTOR INCLUDING, BUT NOT LIMITED TO, THE PROVISIONS FOR A COMPETENT PERSON ON SITE AND ANY REQUIRED DOCUMENTATION THAT MAY REQUIRE CERTIFICATION BY A PROFESSIONAL ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL UTILITIES FUNCTIONING PROPERLY IN THE AREAS UNDER CONSTRUCTION PRIOR TO COMPLETION OF THE PROJECT. ALL PIPES AND STRUCTURES WITHIN THE LIMITS OF THIS CONTRACT SHALL BE LEFT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SAND AND SILT FROM DISTURBED AREAS FROM ENTERING THE SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE SUSTAINED TO ANY EXISTING UTILITIES AND IT IS HIS RESPONSIBILITY TO MAKE REPAIRS TO THE REQUIREMENTS OF THE TOWN OR RESPECTIVE UTILITY COMPANY AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL COORDINATE RELOCATION OR SUPPORTING OF UTILITY POLES IF REQUIRED WITH THE RESPECTIVE UTILITY COMPANY.
- LAND DISTURBANCE SHALL BE KEPT TO THE MINIMUM NECESSARY FOR CONSTRUCTION OPERATIONS. ALL DISTURBED AREAS SHALL BE LOAMED AND SEDED UNLESS OTHERWISE SPECIFIED. OVER EXCAVATE LOAM AND SEED AREAS AS REQUIRED TO MEET GRADE.
- ALL MATERIALS AND METHODS ARE TO COMPLY WITH TOWN OF TRUMBULL DPW STANDARDS, UNLESS OTHERWISE DIRECTED.

CONSTRUCTION NOTES:

- UTILITY, STRUCTURE AND FACILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE, THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS IS NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE FOR HIMSELF, THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WHICH MAY AFFECT HIS CONSTRUCTION OPERATIONS. THE CONTRACTOR MUST ADEQUATELY PROTECT AND SUPPORT UTILITIES AND HE SHALL BE RESPONSIBLE FOR ALL DAMAGE INCURRED AT NO EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL OBTAIN A TOWN OF TRUMBULL EXCAVATION PERMIT PRIOR TO ANY WORK BEING PERFORMED WITHIN TOWN RIGHT-OF-WAY.
- ANY AND ALL WORK PERFORMED ON THE TOWN OF TRUMBULL RIGHT-OF-WAY SHALL BE REQUIRED TO MEET THE TOWN STANDARDS.
- THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT ALL EXISTING STRUCTURES, SURFACE IMPROVEMENTS, LANDSCAPING, ETC. OUTSIDE THE PROJECT LIMITS AND SHALL RESTORE ANY DAMAGE TO THESE ITEMS TO PRE-DAMAGE CONDITION OR BETTER.
- THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT AND SIDEWALK AREAS AS REQUIRED BY THE CONTRACT DRAWINGS OR THE OWNERS REPRESENTATIVE PRIOR TO THE START OF ANY EXCAVATION AND AT ALL LOCATIONS WHERE THE PROPOSED PAVEMENT/CONCRETE WALK MEET EXISTING PAVEMENT/CONCRETE WALK.
- THE CONTRACTOR IS TO DEMOLISH, REMOVE, AND LEGALLY DISPOSE OF BITUMINOUS CONCRETE PAVEMENT, CONCRETE WALK, CURBING, DRIVEWAY APRONS AND OTHER MISCELLANEOUS ITEMS NOT CALLED OUT TO BE REUSED, ETC. AND ALL ITEMS INDICATED TO BE REMOVED WITHIN THE PROJECT LIMITS.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITY STRUCTURES NOT IDENTIFIED FOR REMOVAL DURING UTILITY AND SURFACE DEMOLITION OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED TO EXISTING UTILITY STRUCTURES AND SHALL REPAIR OR REPLACE THE EXISTING UTILITY STRUCTURES TO PRE-DAMAGED CONDITION OR BETTER TO THE SATISFACTION OF THE OWNER AND AT NO ADDITIONAL COST TO THE OWNER.
- UNLESS OTHERWISE NOTED ON THE PLANS, REMOVAL OF EXISTING BIT. CONC. PAVEMENT SHALL INCLUDE THE REMOVAL OF ALL ADJACENT BIT. CONC. CURBING.
- THE PROVISIONS OF WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH THE RULES, LAWS AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE SPECIFIC PHYSICAL OR CHEMICAL HAZARDS POSED TO THE CONTRACTOR'S EMPLOYEES IS THE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. REFER TO SPECIFIC HEALTH AND SAFETY SPECIFICATIONS.
- PRIOR TO DEMOLITION WORK OF ANY UTILITY COMPANY, THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES NOT IDENTIFIED FOR REMOVAL OR ABANDONMENT. COORDINATE WITH PROPOSED UTILITY WORK.
- ALL ITEMS IDENTIFIED FOR REMOVAL/DEMOLITION SHALL BE DISPOSED OF LEGALLY OFF SITE. ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE FOR EXCAVATION IN THE BID. ANY AND ALL DEMOLISHED BUILDING MATERIALS, STRUCTURES, PIPES, PAVEMENT, CURBING, SURPLUS MATERIAL, AND SITE RUBBLE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE AT HIS EXPENSE AND IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.
- THE CONTRACTOR TO COMPLY WITH THE REQUIREMENTS FOR EROSION AND SEDIMENTATION CONTROL.
- THE CONTRACTOR SHALL MODIFY SUBGRADE TO PROVIDE DRAINAGE PATTERNS TO ENSURE THAT PONDING WILL NOT OCCUR AFTER THE PLACEMENT OF BITUMINOUS CONCRETE PAVEMENT.

EROSION CONTROL NOTES:

- ALL CATCH BASINS SHALL BE PROTECTED WITH CATCH BASIN SEDIMENTATION PROTECTION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED DURING CONSTRUCTION PERIOD AS DIRECTED BY THE ENGINEER.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- SEDIMENT REMOVAL SHALL BE DISPOSED OF OFF SITE OR IN A MANOR AS REQUIRED BY THE ENGINEER.
- THE CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
- THE CONTRACTOR SHALL MAINTAIN A SUPPLY OF SILT FENCE AND HAY BALES ON SITE FOR EMERGENCY REPAIRS.
- ALL DRAINAGE STRUCTURES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND CLEANED TO PREVENT THE BUILDUP OF SILT.
- THE CONTRACTOR SHALL KEEP ALL PAVED ROADWAYS CLEAN, SWEEP BEFORE FORECASTED STORMS.
- THE CONTRACTOR SHALL NOTIFY AUTHORIZED TOWN AGENT AND THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF COMMENCEMENT OF INITIAL SITE ACTIVITY AND SUBSEQUENT MAJOR SITE CONSTRUCTION PHASES FOR REVIEW AND/OR INSPECTION.

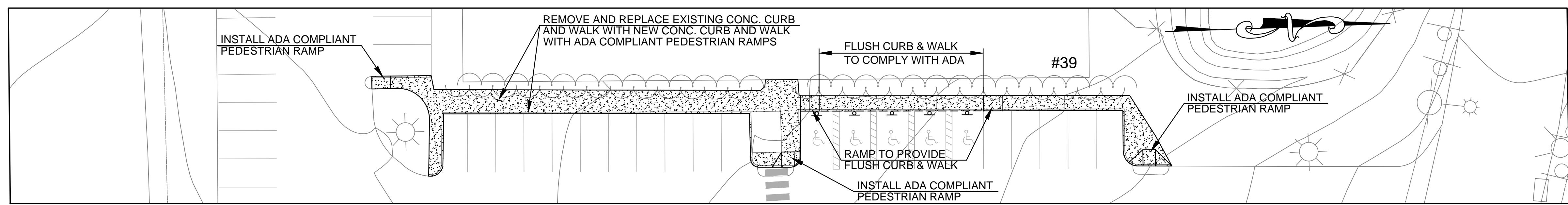
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DRAFTER: MLF
CHECKED BY:
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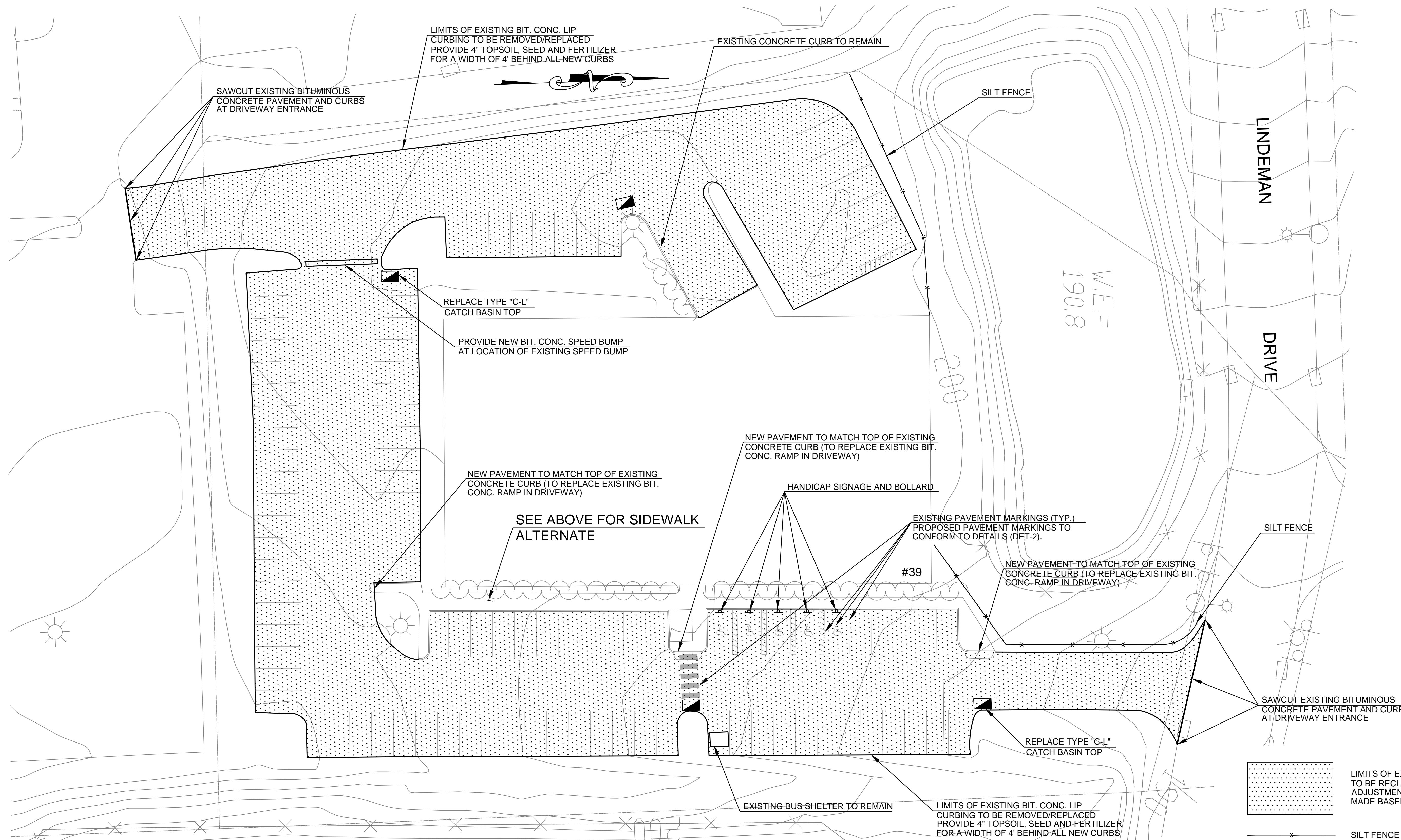


PROJECT TITLE:
THE KENNEDY CENTER
PARKING LOT RECONSTRUCTION
CADD
PLOTTED:

PROJECT NO.: 16015.00
DRAWING NO.: GEN-1
DRAWING TITLE: GENERAL NOTES
SHEET NO.: 2



SIDEWALK ALTERNATE BID NO. 2



REV.	DATE	DESCRIPTION	SHEET. NO.
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SCALE 1"=20'

DESIGNER: MLF

DRAFTER: MLF

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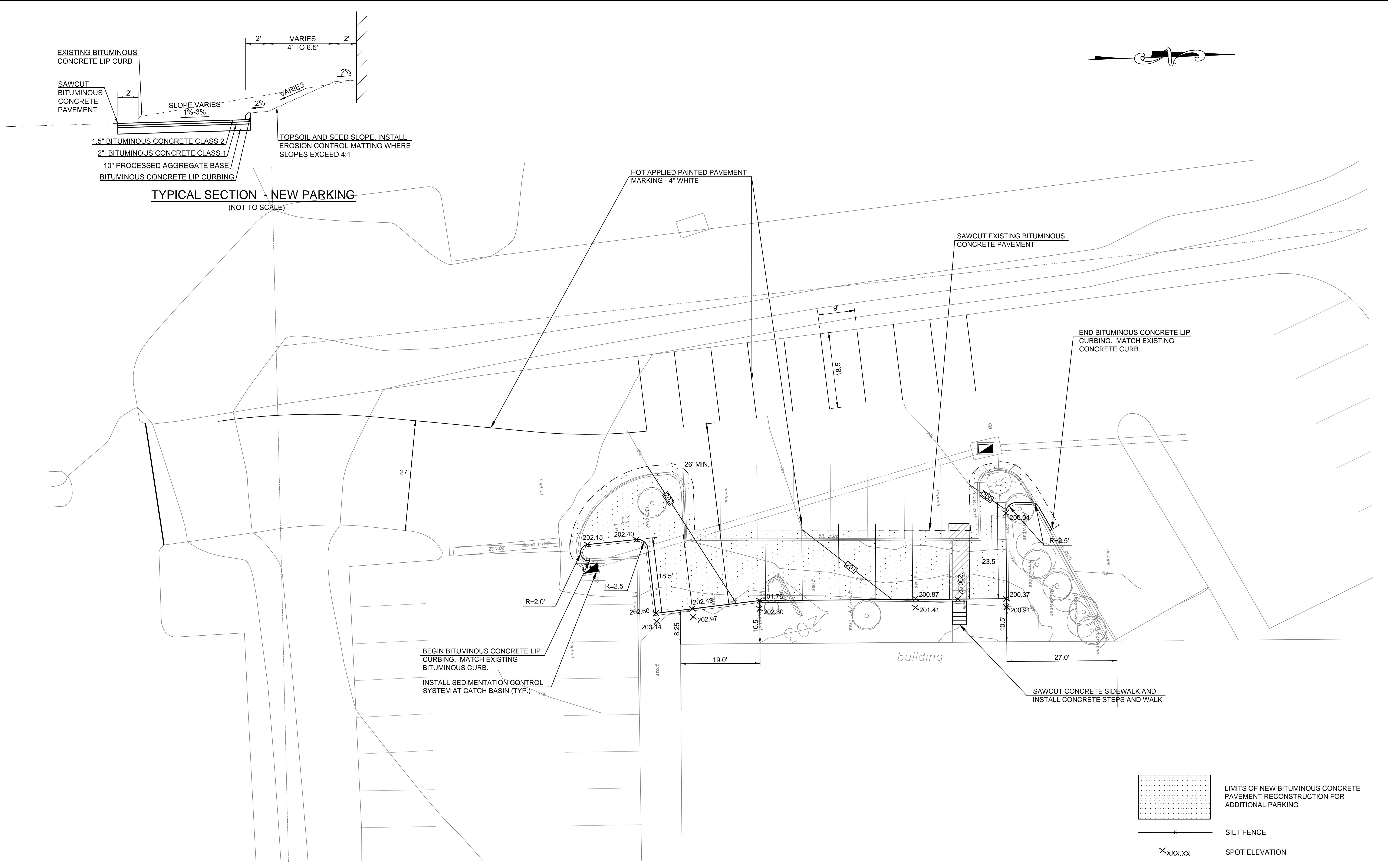
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PROJECT TITLE:
THE KENNEDY CENTER
PARKING LOT RECONSTRUCTION

CADD PLOTTED:

TOWN: TRUMBULL
PROJECT NO.: 16015.00
DRAWING TITLE: BASE BID
SHEET NO.: PLN-1
LINDEMAN DRIVE PARKING LOT
PLOTTED:
3



NO.			DESIGNER: ML
016			DRAFTER: ML
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		CHECKED BY:	
		DATE CHECKED:	



The logo for Luchs Consulting Engineers. It features a stylized graphic on the left composed of black and white rectangles of varying sizes. To the right of the graphic, the word "Luchs" is written in a large, bold, black sans-serif font. Below "Luchs", the words "CONSULTING ENGINEERS" are written in a smaller, black, all-caps sans-serif font.

PROJECT TITLE:

THE KENNEDY CENTER PARKING LOT RECONSTRUCTION

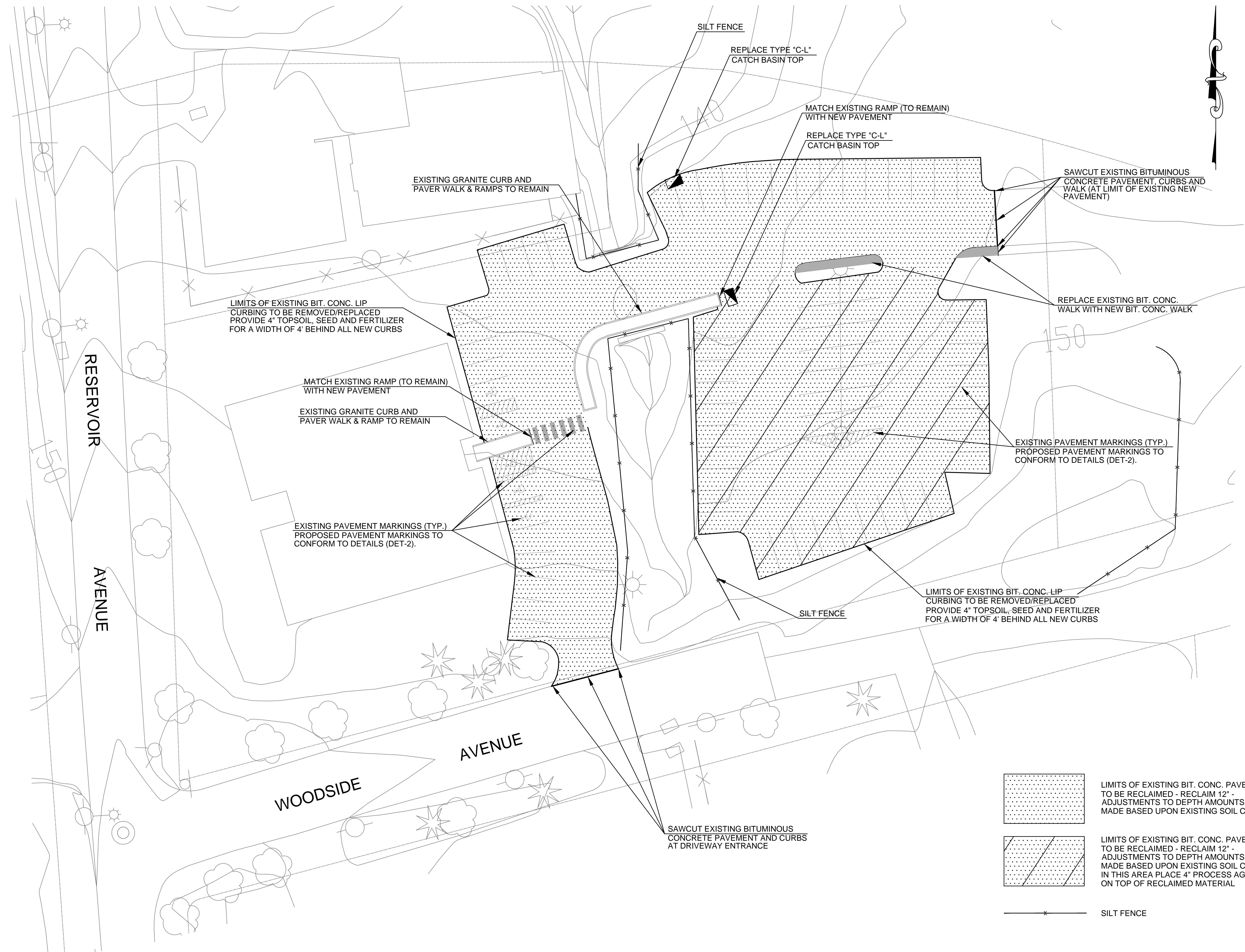
TOWN: **TRUMBULL**

DRAWING TITLE: **ALTERNATE BID NO. 1
LINDEMAN DRIVE NEW PAR**

PROJECT NO.:
16015.00

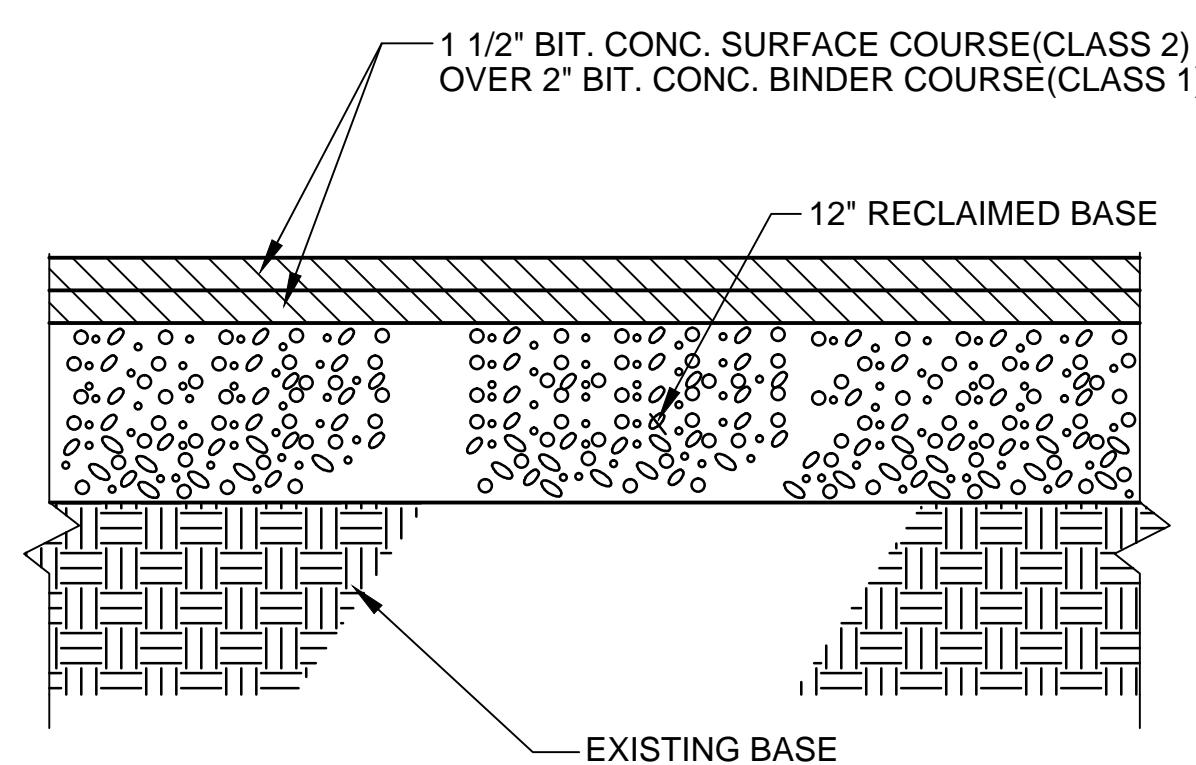
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PLN-2

SHEET NO.:
4



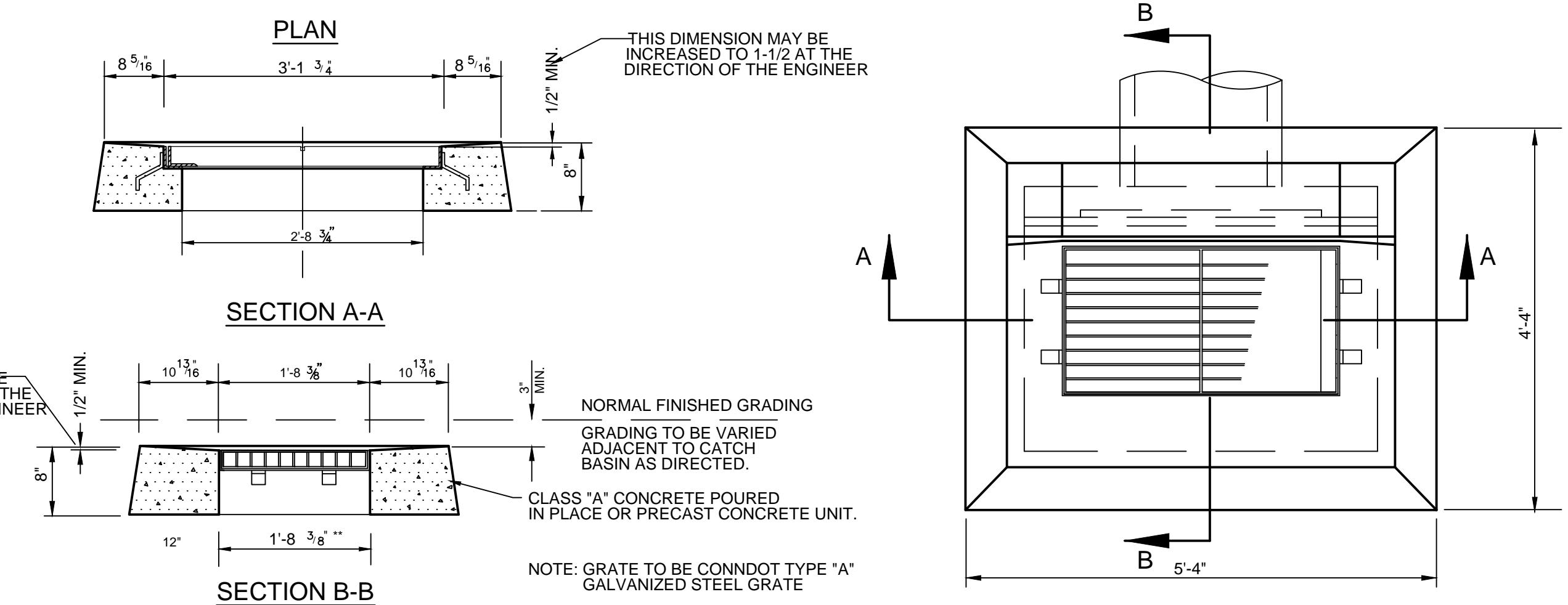
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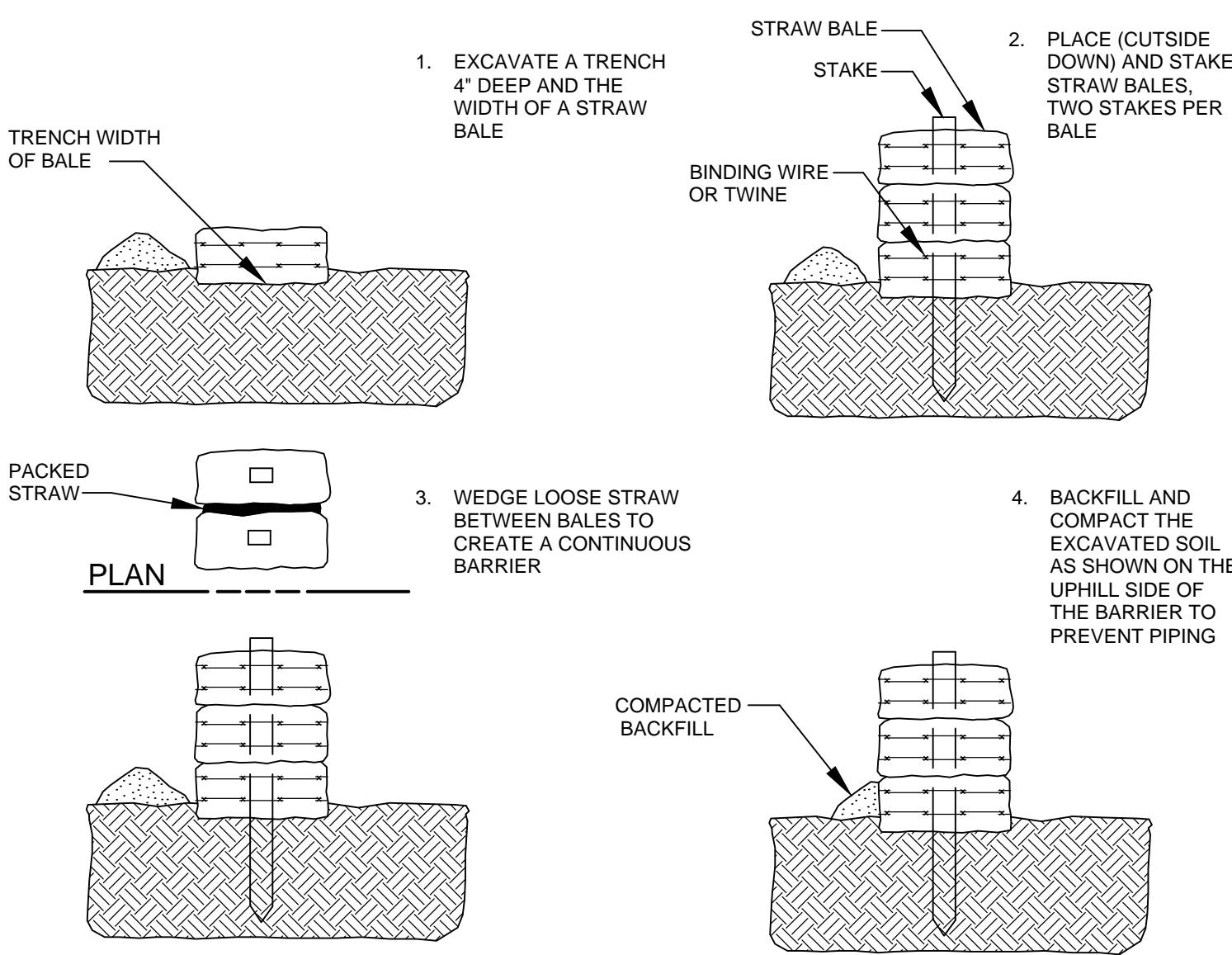
PARKING LOT PAVEMENT SECTION

N.T.S.



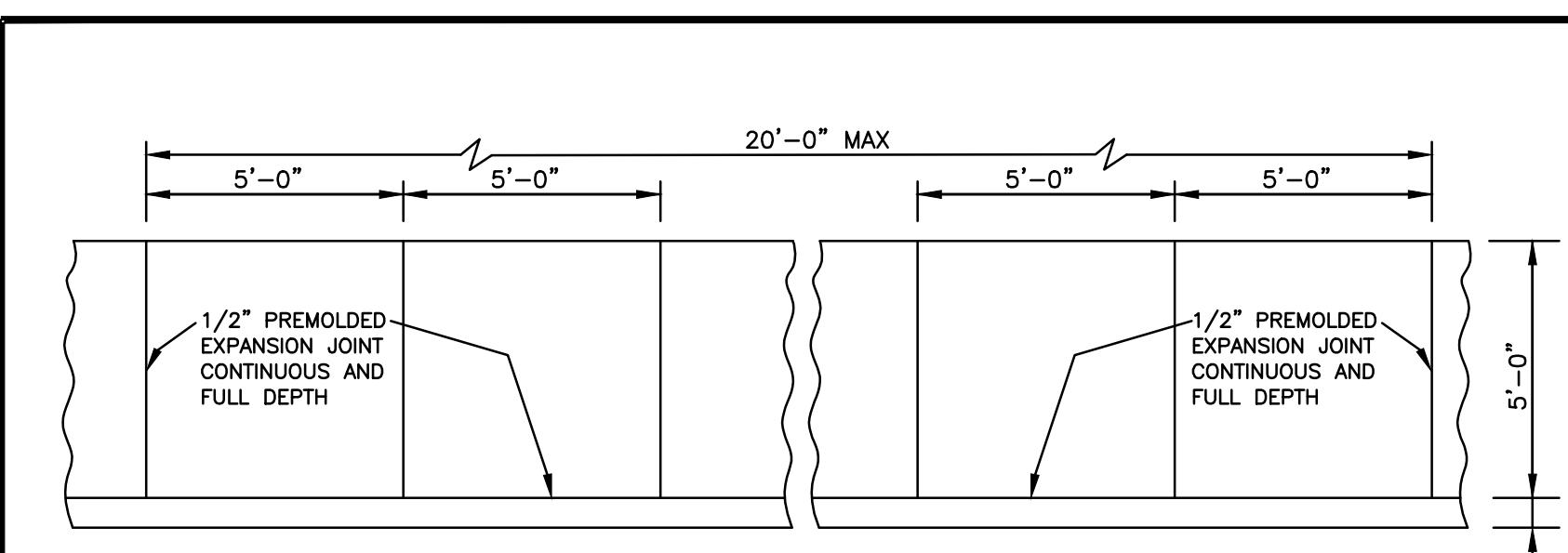
TYPE "CL" TOP DETAIL

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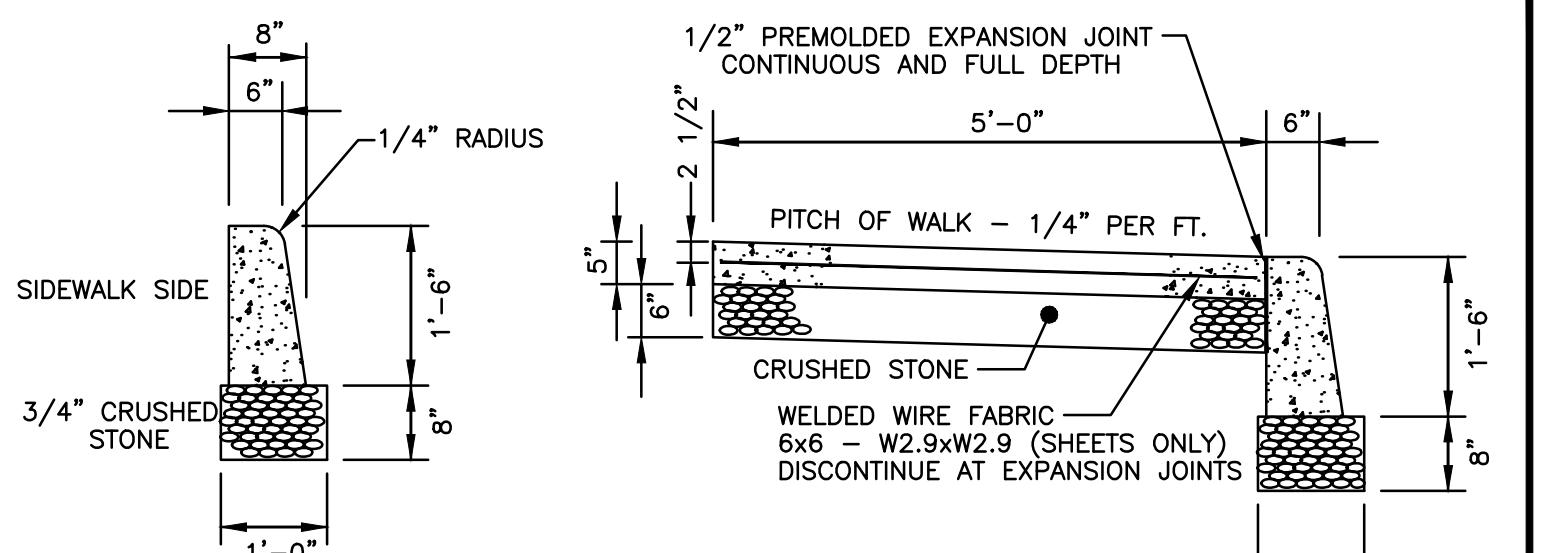
HAYBALE STAKING DETAIL

N.T.S.



PLAN OF A SECTION OF CONCRETE SIDEWALK

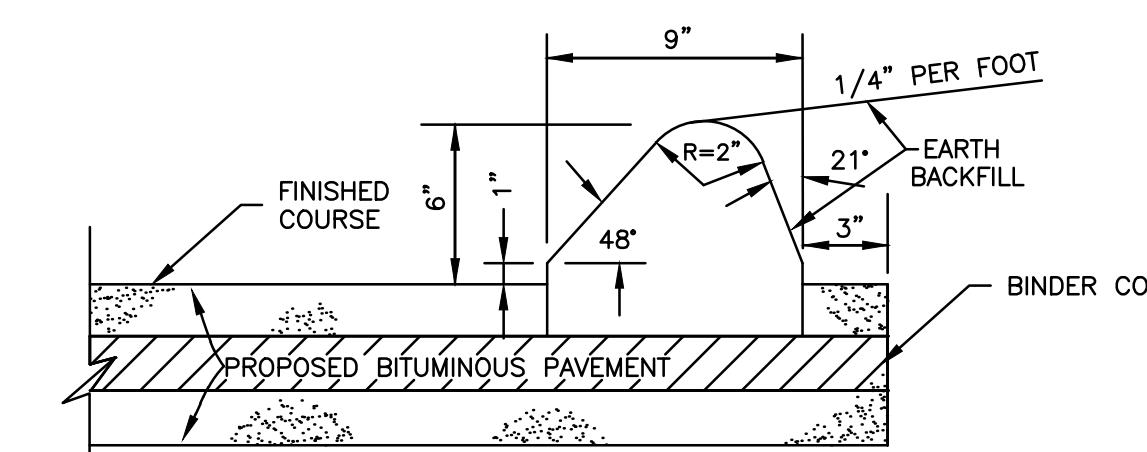
SCALE: 1/4" = 1'-0"



STANDARD CURB & SIDEWALK

SCALE: 1/2" = 1'-0"

NOTES:
1.) A 1/2" PREMOLDED EXPANSION JOINT SHALL BE UTILIZED BETWEEN ALL RIGID STRUCTURES (INCLUDING WALLS) AND NEW SIDEWALK WORK.
2.) ADDITIONAL CONTROL JOINTS SHALL BE PLACED AS REQUIRED TO ELIMINATE ANY CONDITION WHICH WILL CAUSE STRESS VERTICES (EXAMPLE: CORNERS OF STRUCTURES)
3.) CONCRETE SHALL BE CLASS C CEMENT TYPE II (3000 PSI MIN.)
4.) AIR ENTRAINMENT SHALL BE BETWEEN 6-7%



BITUMINOUS CONCRETE LIP CURBING

MACHINED FORMED

TOWN OF TRUMBULL

ENGINEERING DEPARTMENT
SKETCHES & CALCULATIONS

Project No. & Name STANDARDS
Subject SIDEWALKS & CURBING
Made by FMS Date 8/13/14
Chk. by FMS Date 8/13/14
SW-1 Sheet No. 1 of 2

DESIGNER: MLF

DRAFTER: MLF

CHECKED BY:

DATE CHECKED:

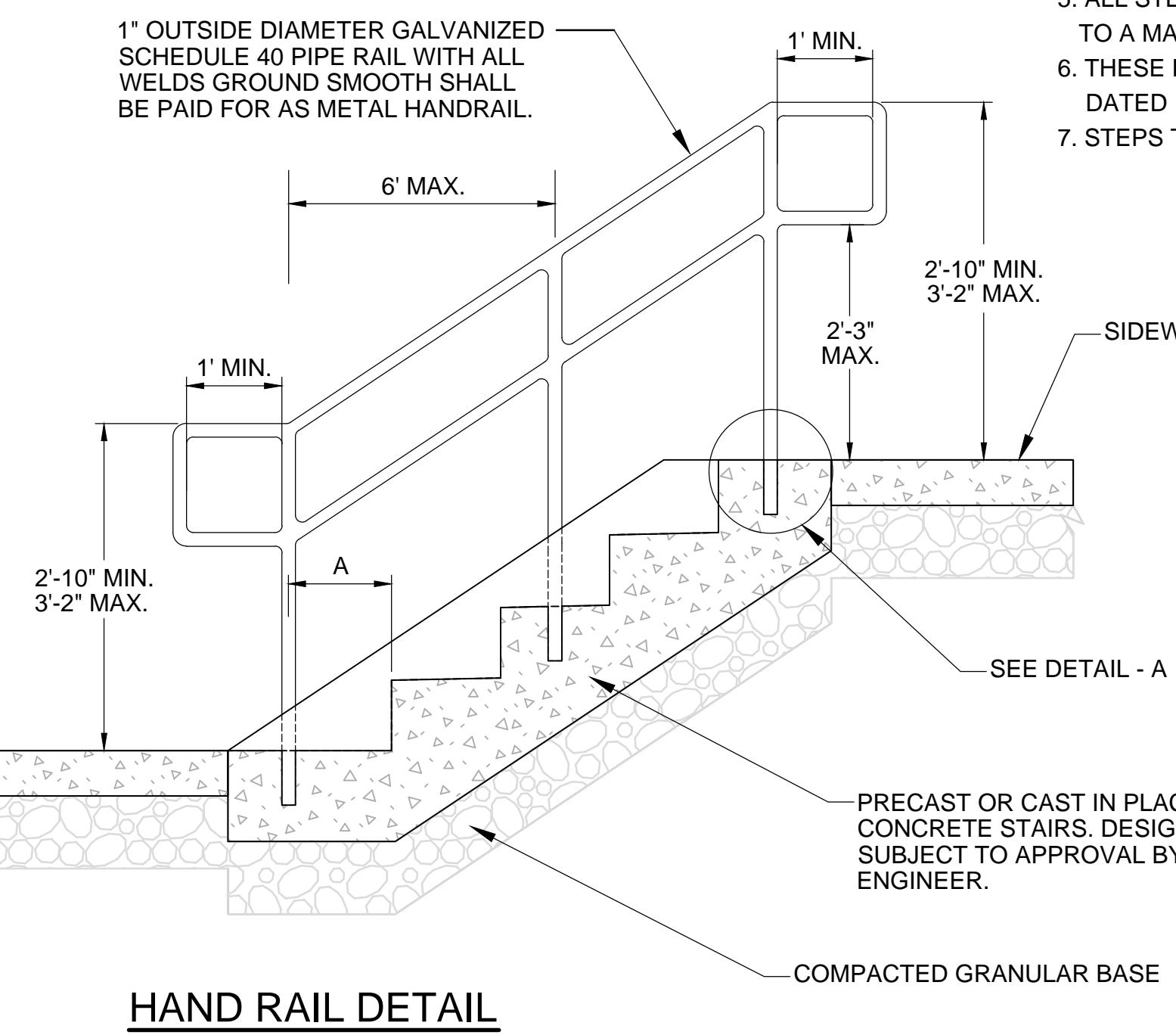
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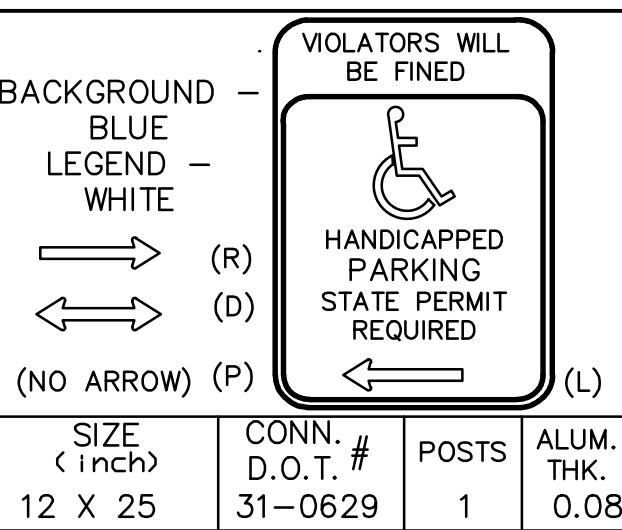
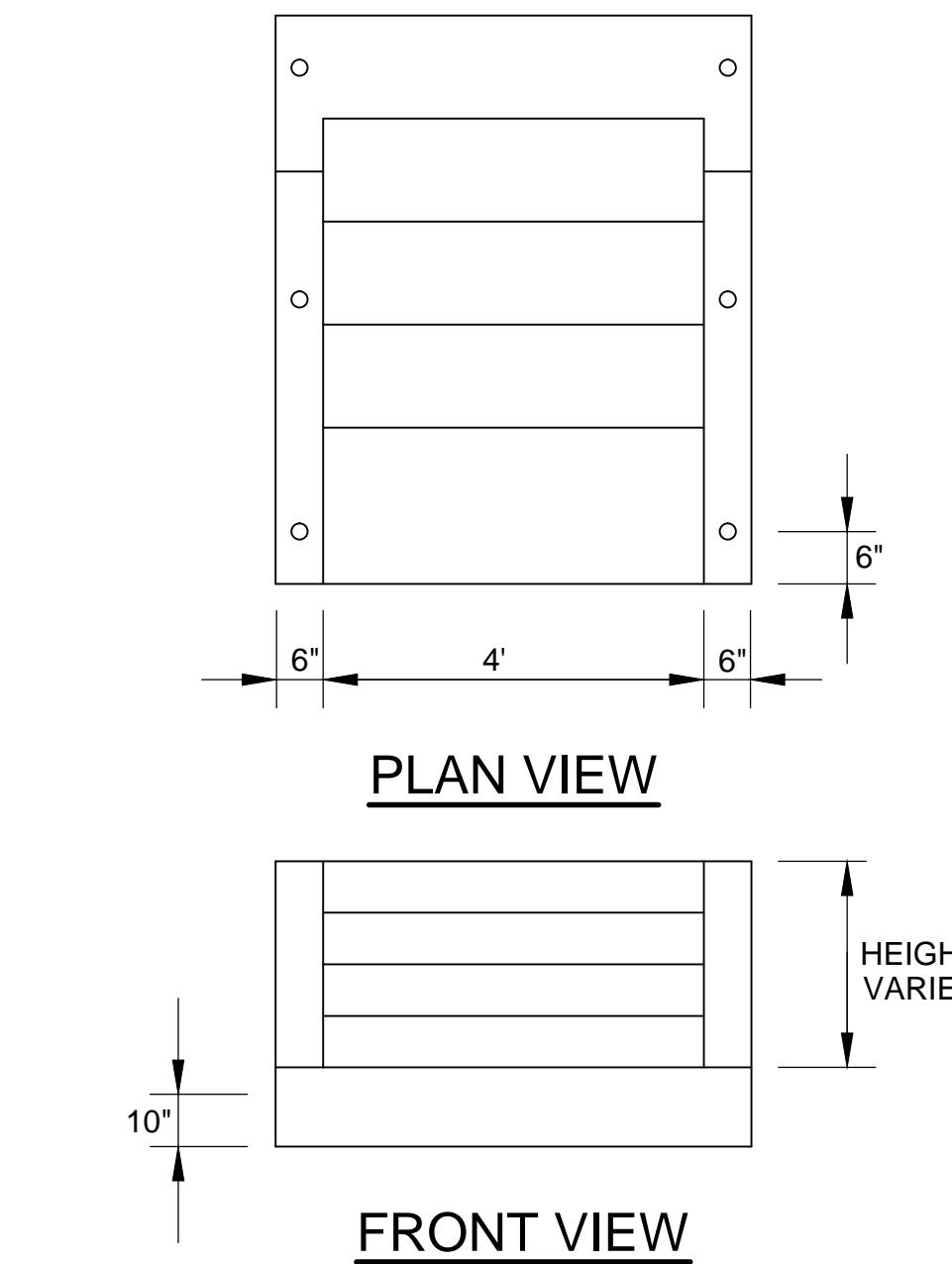
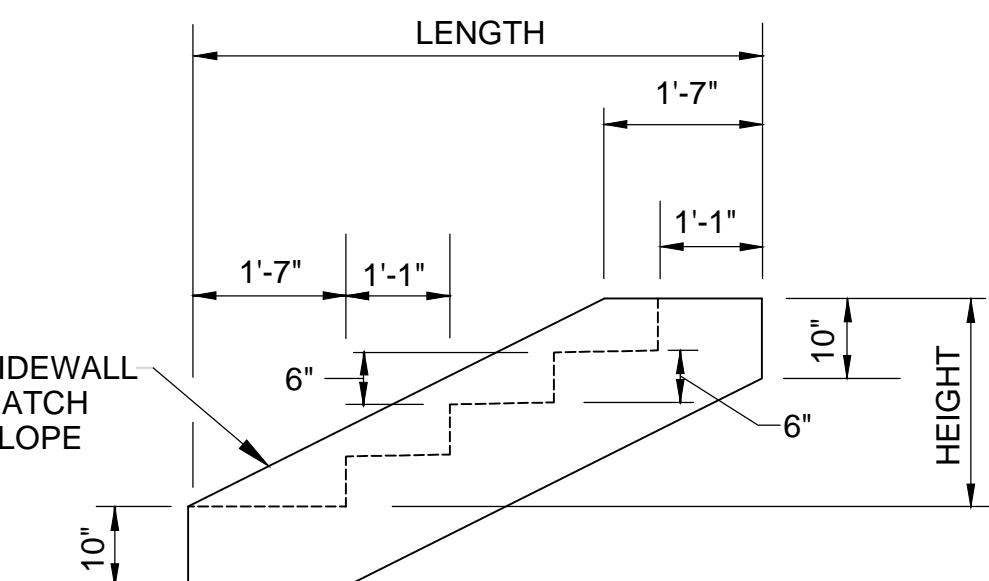
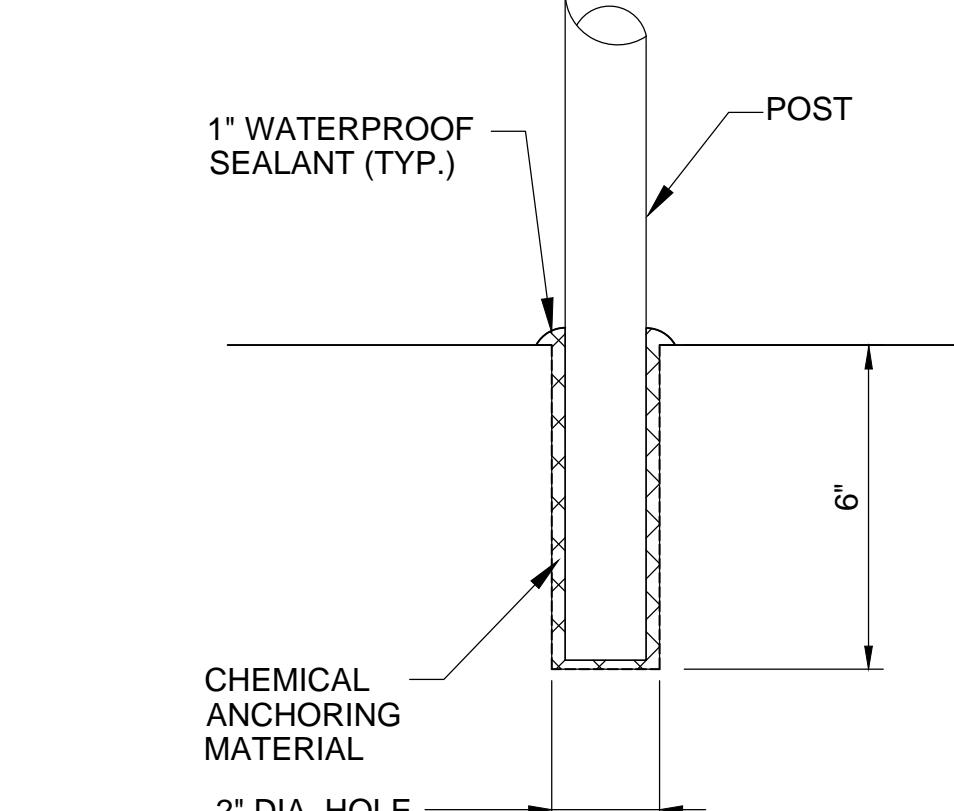
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SCALE 1"=20'

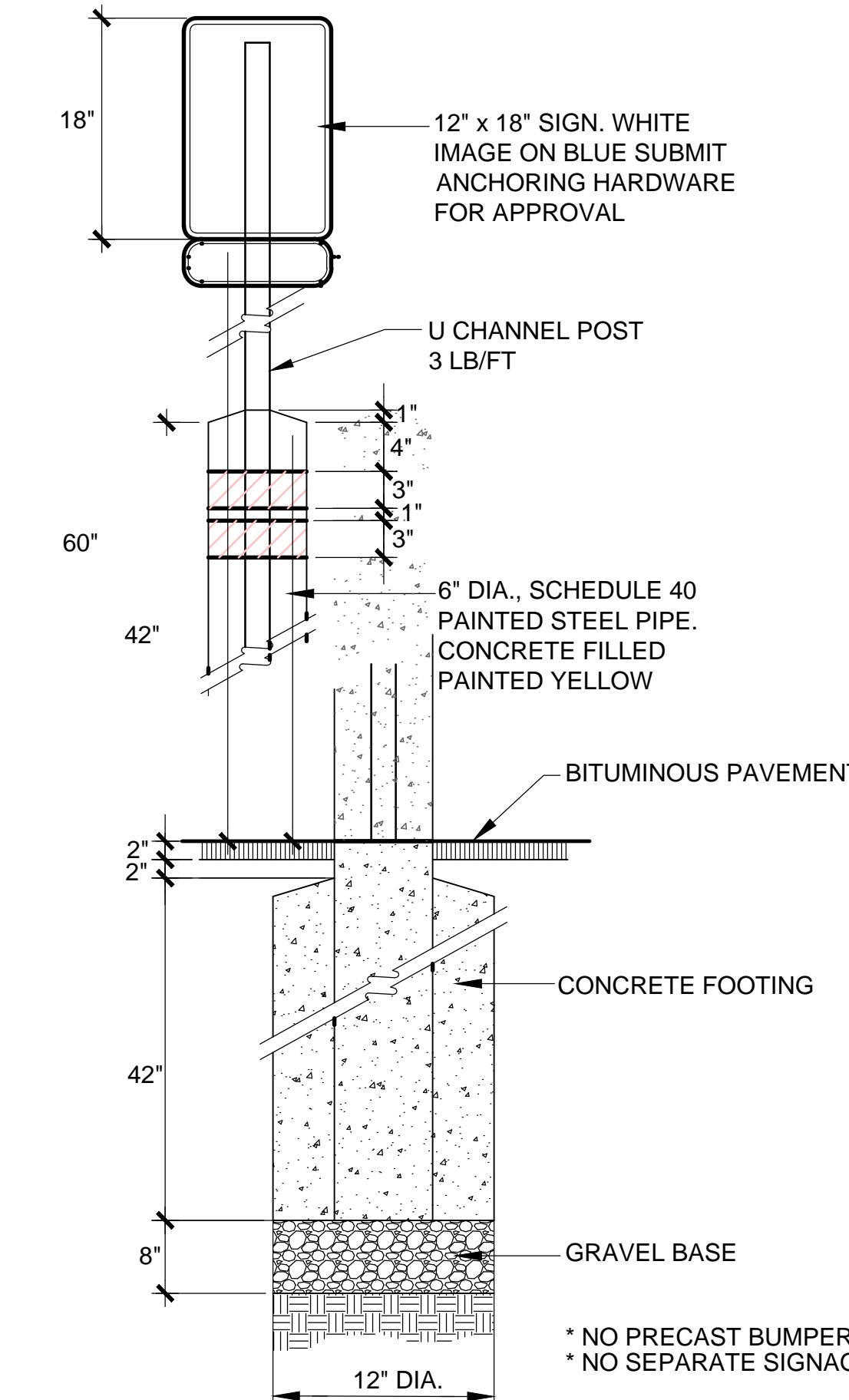
NOTE:
 1. A HANDRAIL IS REQUIRED ON BOTH SIDES OF STEPS WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE HIGHEST WALKING SURFACE AND THE LOWEST WALKING SURFACE IS GREATER THAN 30".
 2. POSTS SHALL BE NO MORE THAN 6' APART.
 3. THE RAILING BASE CONNECTION SHALL BE DESIGNED TO PROVIDE STRENGTH FOR A 251.8 POUND FORCE APPLIED IN ANY LOCATION OR DIRECTION ON THE RAIL.
 4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STEEL POSTS AND HANDRAIL ELEMENTS INCLUDING A LAYOUT FOR REVIEW AND APPROVAL.
 5. ALL STEPS SHALL HAVE UNIFORM RISER HEIGHT AND UNIFORM TREAD DEPTHS. RISERS SHALL BE A MINIMUM OF 4" HIGH TO A MAXIMUM OF 7" HIGH. TREADS SHALL BE A MINIMUM OF 11" DEEP MEASURED FROM RISER TO RISER.
 6. THESE DETAILS WERE DEVELOPED IN CONFORMANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) HANDBOOK DATED 1998 AND 2000.
 7. STEPS TO BE PAID FOR AS "CONCRETE FOR STEPS AND COPINGS".



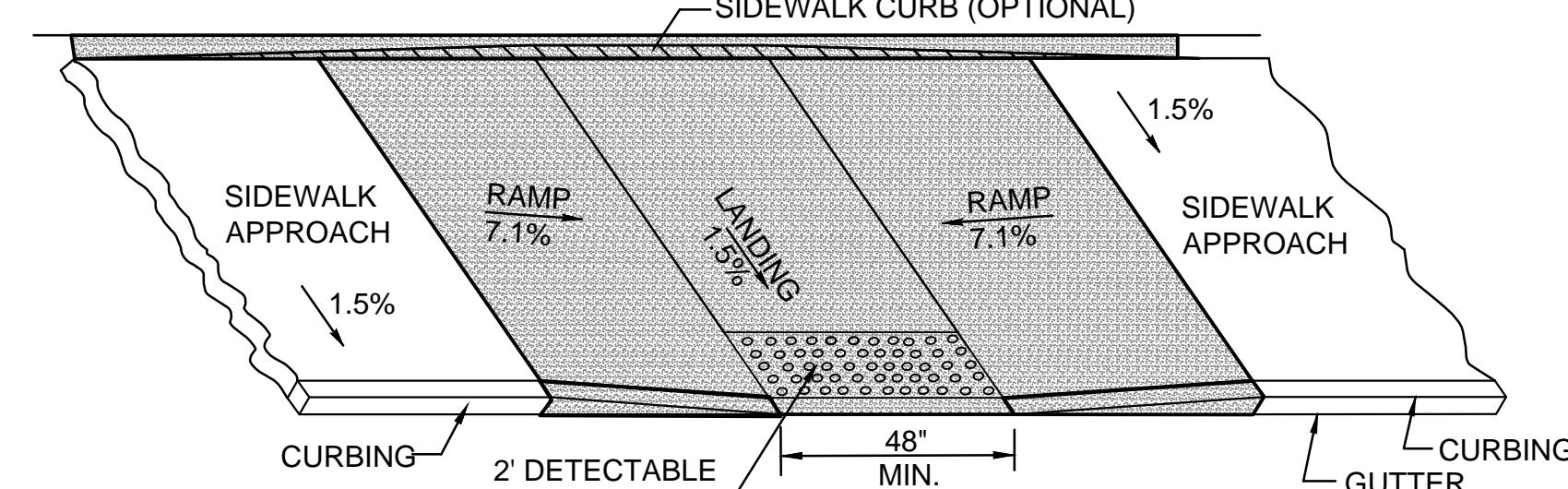
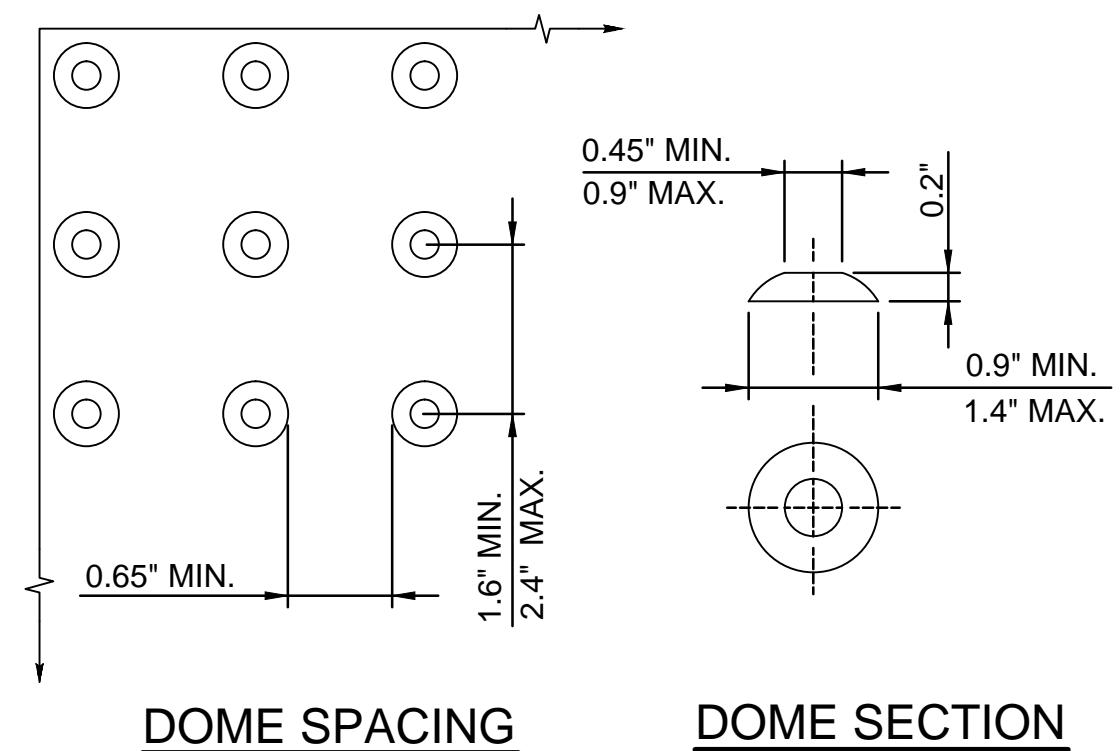
DETAIL A
POST HOLE AT LANDINGS
 (TYPICAL FOR ALL POSTS)



HANDICAP SIGN
 NOT TO SCALE



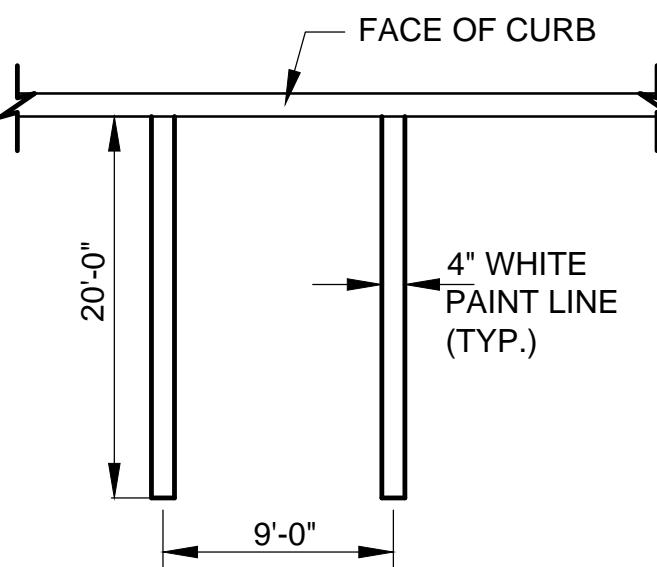
HANDICAP SIGNAGE AND BOLLARD
 NOT TO SCALE



STANDARD DOME ON DETECTABLE WARNING TILES
 NOT TO SCALE

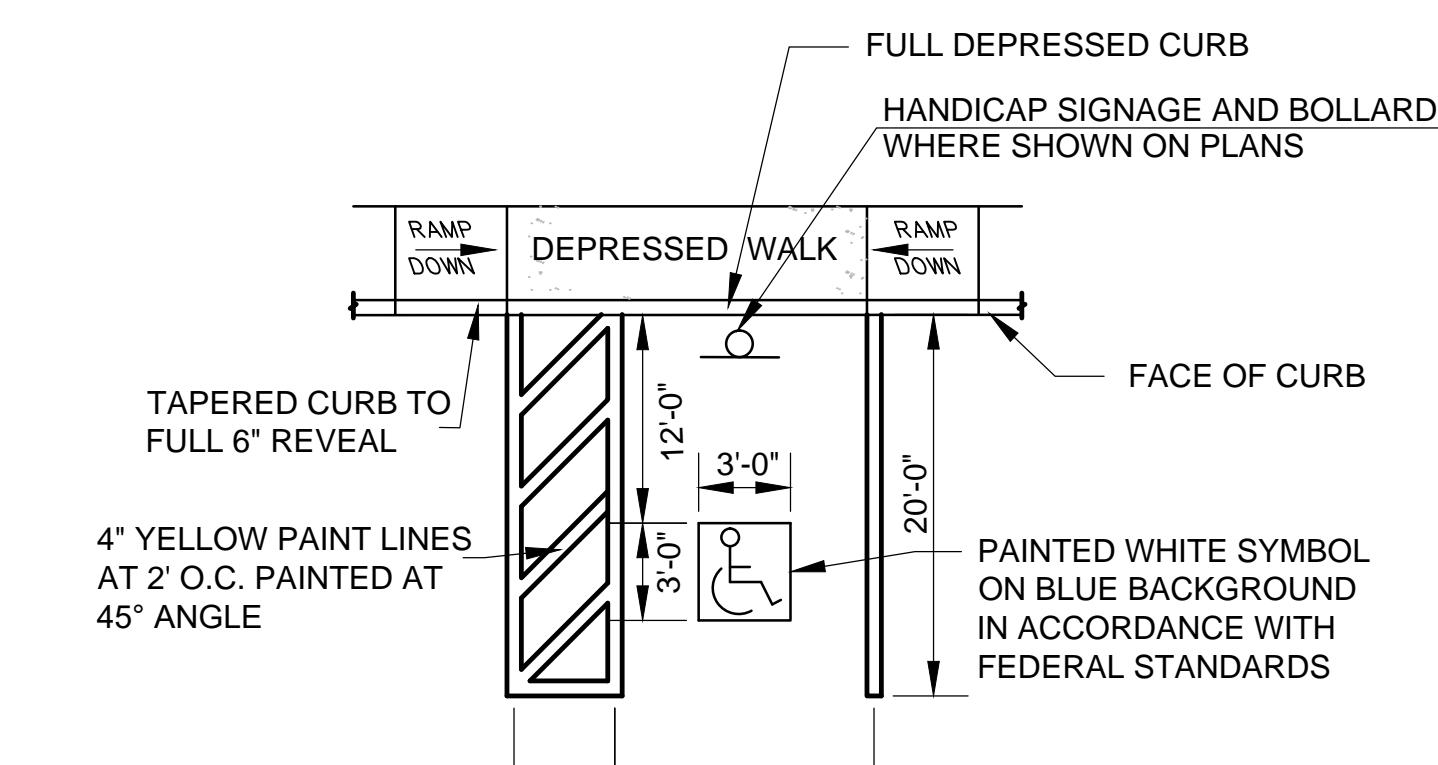
PARALLEL SIDEWALK RAMP (TYPE 1)
 NOT TO SCALE

PERPENDICULAR SIDEWALK RAMP WITH 48" MIN. BY PASS LANDING (TYPE 2)
 NOT TO SCALE



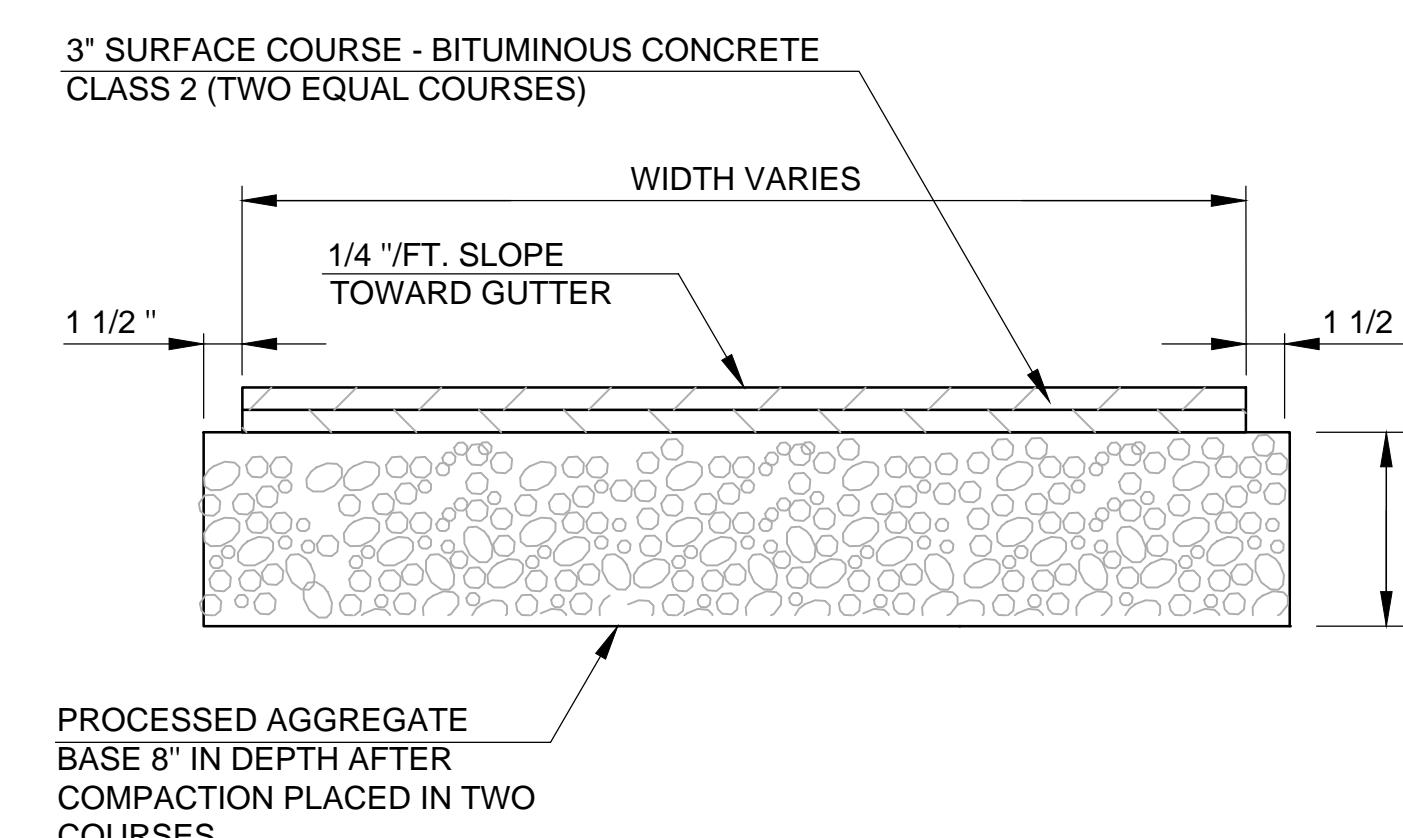
NOTE:
 1. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.
 2. SEE PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

TYPICAL PARKING SPACE DETAIL
 NOT TO SCALE

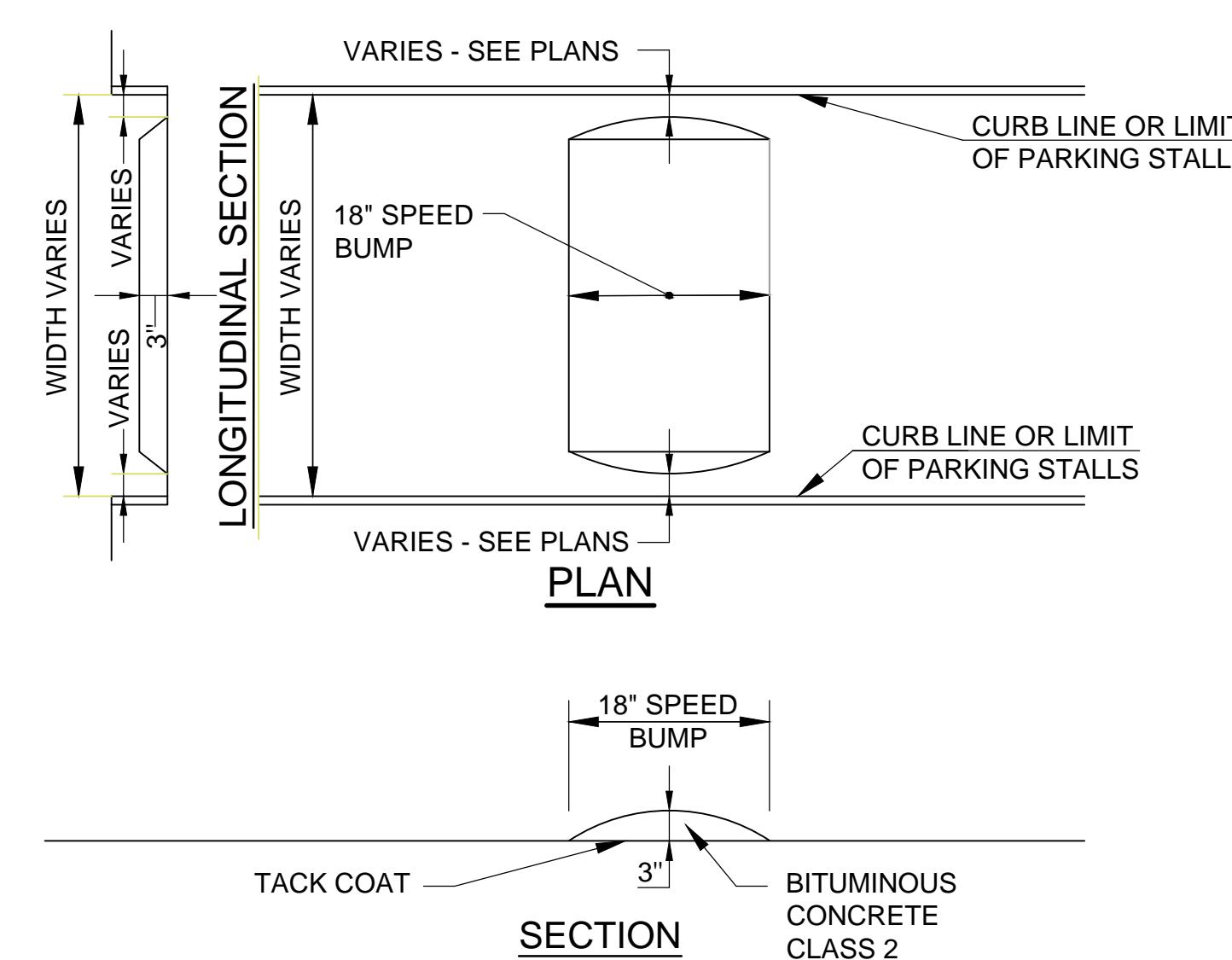


NOTES:
 1. SEE SITE PLAN FOR ACCESSIBLE SPACE LOCATIONS.
 2. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.

ACCESSIBLE PARKING SPACE DETAIL
 NOT TO SCALE



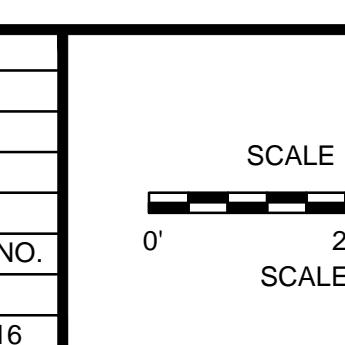
BITUMINOUS CONCRETE SIDEWALK
 NOT TO SCALE



SPEED BUMP DETAIL
 NOT TO SCALE

REV.	DATE	DESCRIPTION	REVISIONS	PLOTTED	SHEET NO.

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 THE KENNEDY CENTER
 PARKING LOT RECONSTRUCTION
 CADD
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TOWN:
 TRUMBULL
 DRAWING TITLE:
 CONSTRUCTION DETAILS
 SHEET NO.: 7

PROJECT NO.: 16015.00
 DRAWING NO.: DET-2
 SHEET NO.: 7