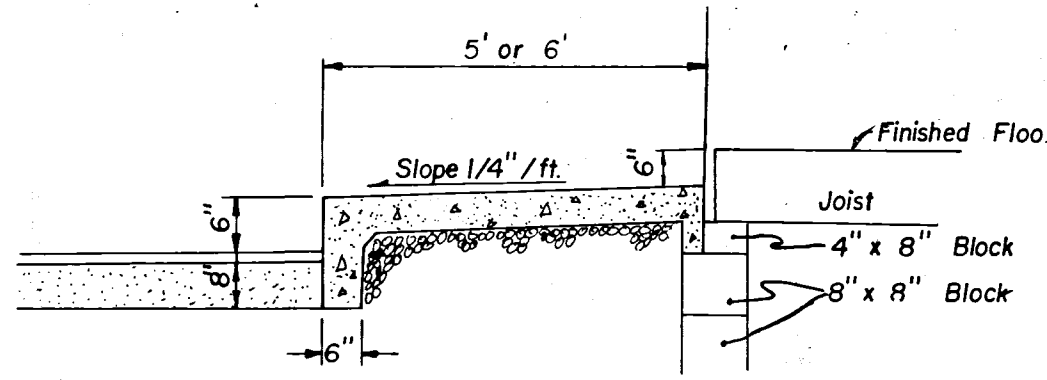


PAVEMENT, CONCRETE & GRADING SPECIFICATIONS

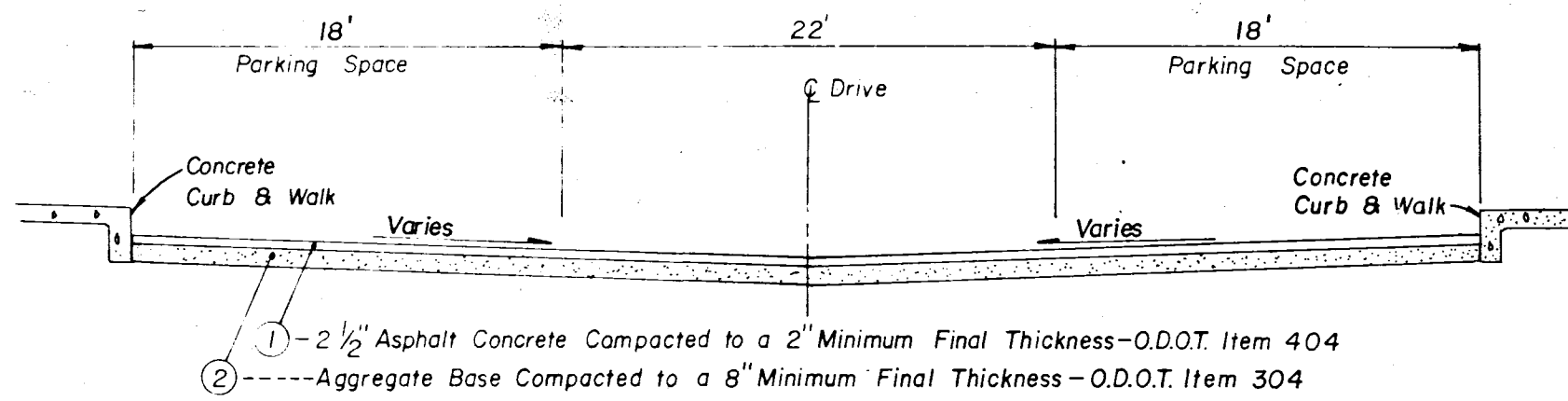
PAVEMENT & CONCRETE NOTES

- The contractor shall locate all utilities or underground structures prior to construction and notify each respective utility owner forty-eight hours prior to commencement of construction.
- Quantities are only estimates and should be re-calculated by the contractor for bid submittals.
- The contractor's bid shall be comprehensive and include all labor, materials and equipment to complete all excavation, fill and grading in accordance with Engineering and Specifications.
- The contractor shall restore offsite construction areas to an equal or better condition than existing, prior to commencement of construction.
- The contractor shall immediately notify the supervising construction engineer if a pavement or foundation stake is disturbed.
- The contractor shall construct pavement in accordance with typical pavement section details. The finish pavement grades shall conform to those specified on the site grading plan.
- The supervising construction engineer shall approve all sub base material and compaction in fill areas.
- The contractor shall form sidewalks, stoops, patios, curbs, trash pads etc. in accordance with the grading plan & specifications. Minimum sidewalk slope shall be 1% and maximum sidewalk slope shall not be more than 5.0%. Where the site grading plan displays no longitudinal sidewalk slope the sidewalks shall be constructed with a transverse slope (1/4"/ft.).
- The contractor shall use concrete with a minimum 28 day strength of 4000 P.S.I.
- The contractor shall place a 1" deep contraction joint every 4' in sidewalk.



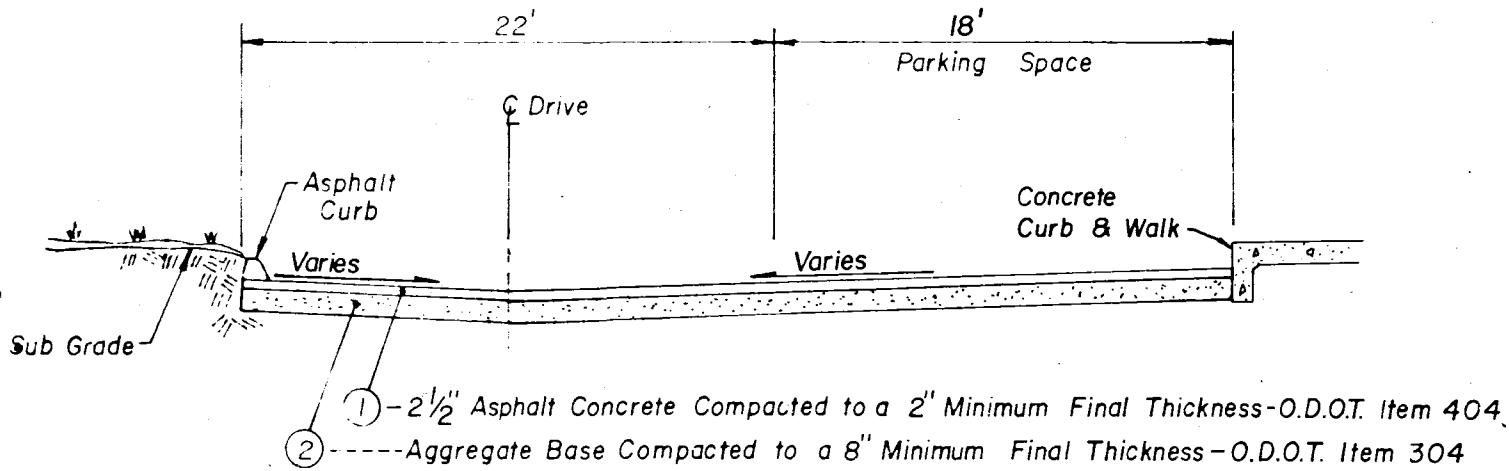
CONCRETE CURB & SIDEWALK DETAIL

NO SCALE



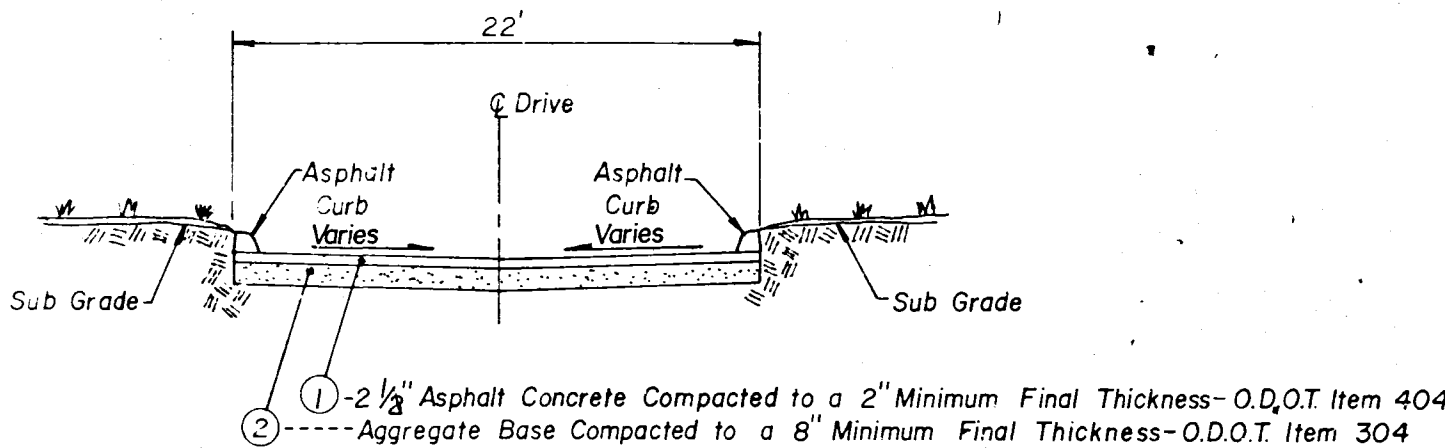
TYPICAL PAVEMENT SECTION "A"

NO SCALE



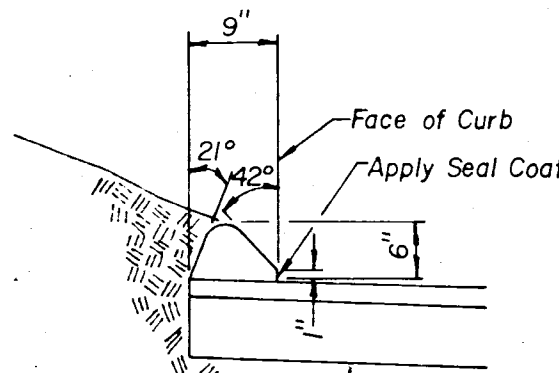
TYPICAL PAVEMENT SECTION "B"

NO SCALE



TYPICAL PAVEMENT SECTION "C"

NO SCALE



ASPHALT CURB DETAIL

NO SCALE

GRADING NOTES

- The contractor shall locate all utilities or underground structures prior to construction and notify each respective utility owner forty-eight hours prior to commencement of construction.
- Quantities are only estimates and should be re-calculated by the contractor for bid submittals.
- The contractor's bid shall be comprehensive and include all labor, materials and equipment to complete all excavation, fill and grading in accordance with Engineering and Specifications.
- The contractor shall restore offsite construction areas to an equal or better condition than existing prior to commencement of construction.
- The supervising construction engineer shall supervise and approve all sub-base materials and compaction in fill areas.
- The contractor shall immediately notify the supervising construction engineer if a foundation or pavement stake is disturbed.
- The contractor shall excavate and rough grade pavement areas to within ±.1' of the specified sub-base elevations.
- The contractor shall excavate and rough grade foundation crawl space areas as directed by the supervising construction engineer.
- After the Modular Units have been placed on the foundations, the contractor shall backfill and grade courtyards, sideyards and pavement sub-base areas to within ±.1' of specified grade elevations.
- The top of footer elevations (2) and the number of 8" courses (3) may vary due to soil conditions.
- Prior to commencement of construction, the Contractor shall meet with and submit a construction schedule to the City Engineer and secure all necessary licenses and permits.
- During construction, the Contractor shall provide for adequate drainage and proper soil erosion control measures for protection at all adjacent roads and lands.
- In slope areas greater than 3:1, the contractor shall refer to the owners Landscaping Plan for special vegetation and plantings to prevent soil erosion and maintain integrity of the slope.

ESTIMATE OF QUANTITY

QUAN.	UNIT	DESCRIPTION
5659	S.Y.	Asphalt Pavement
60	S.Y.	Driveway Approach
1369	L.F.	Asphalt Curb
1835	L.F.	Pavement Striping
7608	S.F.	Concrete Sidewalk & Curb (6')
360	S.F.	Concrete Sidewalk (6')
470	S.F.	Concrete Sidewalk (5')
4304	S.Y.	Grass Area Phase I (On Site)

ESTIMATE OF QUANTITY

QUAN.	UNIT	DESCRIPTION
LUMP	SUM	Power Poles to be Relocated
LUMP	SUM	Underground Electric Lines to be Relocated
LUMP	SUM	Gas Lines to be Relocated

ELEVATION SUMMARY

ELEVATION NO'S	BLDG. 1	BLDG. 2	BLDG. 3	BLDG. 4
① Finished Floor	726.30	725.60	725.60	725.60
② Top of Footer	722.30	721.60	722.27	716.93
③ Number of 8" Courses	5	5	4	4 - 12

BLACKBURN, GRASHEL, KOSANCHICK & ASSOCIATES, INC.

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DATE: FEB. 1981
DRAWN: J.R.J.
CHECKED: R.A.H.
FILE NO. SHEET:
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