

REVISIONS		
NO.	DESCRIPTION	DATE BY

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CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS
 CITY OF BALTIMORE BUREAU OF HIGHWAYS
 CONT. NO. 3131

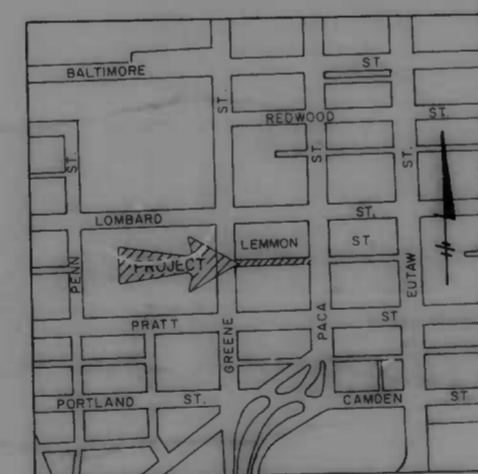


LEMMON STREET
RECONSTRUCTION
 FROM GREENE STREET TO PACA STREET

SYMBOLS-(EXISTING)

- CONSTRUCTION PROPERTY LINE
- CURB & BRICK GUTTER
- FENCE
- TREE
- FIRE HYDRANT
- GRATE
- WOODEN POLE
- HAND BOX
- LIGHT POLE
- VALVES & METERS (GAS & WATER)

NOTE: PROPOSED SYMBOLS ARE DESCRIBED ON APPLICABLE PLANS



VICINITY MAP
1" = 500'

PREPARED BY
PURDUM & JESCHKE
 CONSULTING ENGINEERS
 1029 N. CALVERT STREET
 BALTIMORE, MARYLAND 21202

DEPARTMENT OF PUBLIC WORKS

BUREAU OF HIGHWAYS

APPROVED:
 CHIEF, HIGHWAY ENGINEERING DIVISION

APPROVED:
 CHIEF, ENVIRONMENTAL SERVICES DIVISION

OFFICE OF TRANSPORTATION

APPROVED:
 DIRECTOR OF OFFICE OF TRANSPORTATION

APPROVED:

DIRECTOR OF PUBLIC WORKS

APPROVED:

HEAD, BUREAU OF HIGHWAYS

B OF H REVIEW	R/W RELEASE	GRADE EST. B	HIGHWAY DESIGN	STRUCTURAL	DRAINAGE	LIGHTING	CONDUIT	SEDIMENTATION AND EROSION CONTROL	OFFICE OF TRANSPORTATION	WASTE WATER ENGINEERING	WATER ENGINEERING
BY:						JCBurch	JCBurch				
DATE: 1/1/86	9/16/85	2/16/86			2.6.86	8/16/86	8/16/86	2/1/86	8/16/86	2/1/86	2/16/86

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LETTER DESIGNATION DESCRIPTIONS

- (P) - Modified Pedestrian Ramp - Type 2 (See BC. 655-21). Exposed Aggregate Surface
- (D) - 5" Reinforced Cement Concrete Pavement (Mix. No. 6) For Modified Driveways
- (C) - Standard Type 'A' Curb (See BC. 620-01 and Detail below for Modified Curb Height)
- (S) - 8" Reinforced Cement Concrete Pavement (Mix. No. 6)
- (W1) - 5" Plain Cement Concrete Pavement (Mix. No. 2)
- (W2) - 5" Exposed Aggregate Sidewalk
- (F) - Letter 'F' Denotes Future Construction (To be done by others)

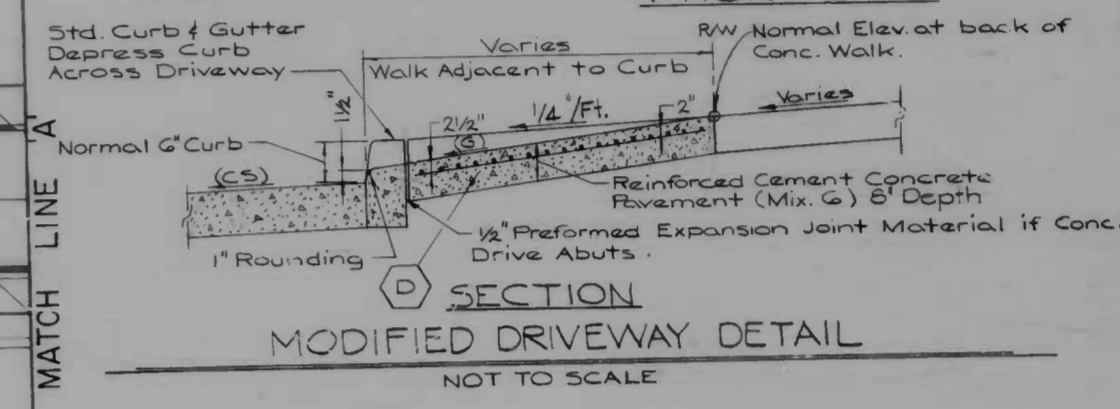
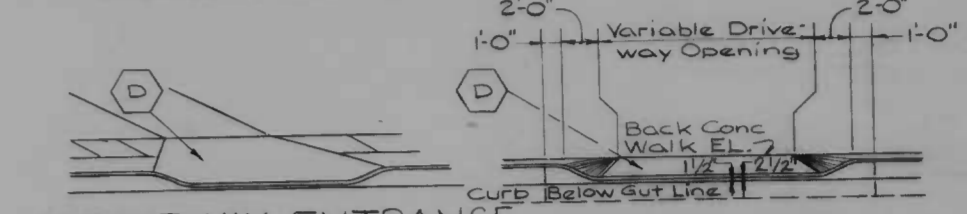
COORDINATE DATA

STA.	SOUTH	WEST
0+00	3905.301	2251.043
4+22	3883.645	1829.599

DEPRESSED CURBS

- STA. 1+54 TO 3+80 LEFT SIDE
- STA. 1+31 TO 1+84 RIGHT SIDE
- STA. 1+95 TO 2+87 RIGHT SIDE
- STA. 0+655 TO 0+75 LEFT SIDE
- STA. 1+40.5 TO 1+48 LEFT SIDE

NOTE: Where driveway is to be constructed through an existing curb, remove existing curb and gutter for its full depth and to the width indicated and construct depressed curb section as shown.



BENCH MARKS

LIMIT OF WORK STA. 0+31

BM No. 1 - Cut set on top of brick @ conc. wall NE corner of Greene St. and Lemmon St. Elev. 56.93

BM No. 2 - Cut on north rim steam MH 130' west of Paca St. Elev. 54.19

Strip existing surfacing

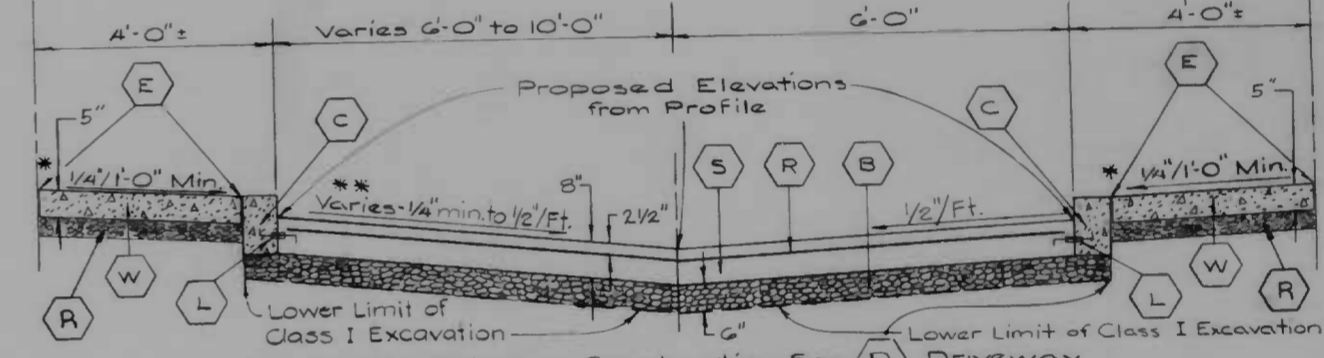
PROPOSED CURB CONTROLS

PT.	DESCRIPTION	STATION	OFFSET	BOTTOM OF CURB ELEVATIONS
1	PC	0+36.76	16.12'	52.78
2	PT	0+46.76	6.00'	52.56
3	PC	2+56.86	6.00'	54.47
4	PRC	2+60.32	8.00'	54.45
5	PT	2+63.79	10.00'	54.43
6	PC	3+87.81	10.00'	52.36
7	PT	3+97.81	20.00'	52.52
8	PC	0+36.44	15.98'	52.25
9	PT	0+46.44	6.00'	52.55
10	PC	3+87.21	6.00'	52.37
11	PT	3+97.21	16.22'	51.44

GREENE

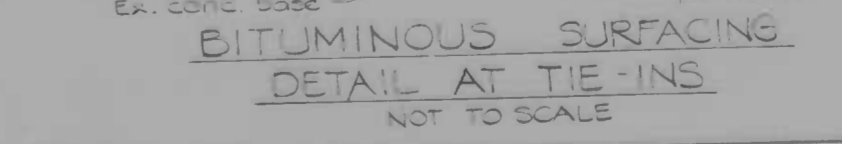
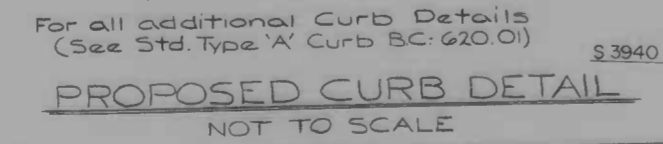
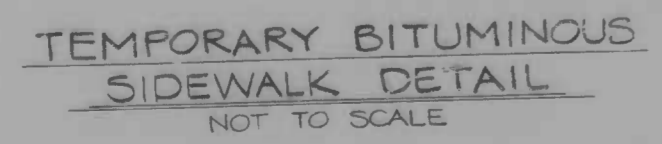
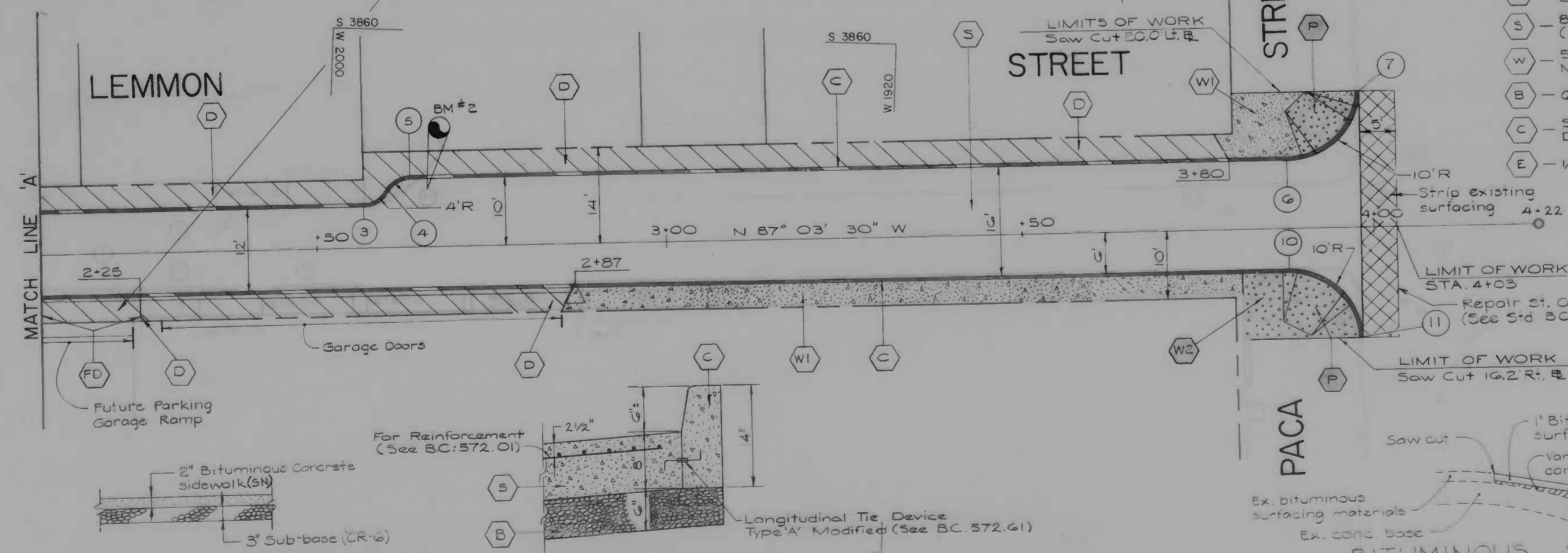
Sta. 0+36 to Sta. 2+25 Rt. Place temporary bituminous concrete paving between proposed curb and existing building line (3' depth). Future permanent construction of pedestrian ramp, sidewalk and driveway to be done by others. See detail below.

PLAN
Scale: 1" = 10'



- * Note: For Driveway Construction See (D) Driveway Detail
- ** - Sta. 2+63.79 to 3+87.81 (10' width area) reduces 1/2" / Ft slope
- (L) - Longitudinal Tie Device Type 'A' Modified (See BC. 572.61)
- (R) - Standard Wire Mesh Reinforcement (See BC. 572.01)
- (S) - 8" Reinforced Cement Concrete Pavement (Mix. No. 6)
- (W) - 5" Plain Cement Concrete Pavement (Mix. No. 2)
- (B) - 6" Compacted CR-6
- (R) - 3" Compacted CR-6
- (C) - Standard Type 'A' Curb BC. 620.01 (See Curb Detail this Sheet for Height Modification)
- (E) - 1/2" Preformed Expansion Joint Material

TYPICAL SECTION LEMMON STREET
NOT TO SCALE



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LEMMON STREET RECONSTRUCTION
PLAN
S. GREENE ST TO S. PACA ST.

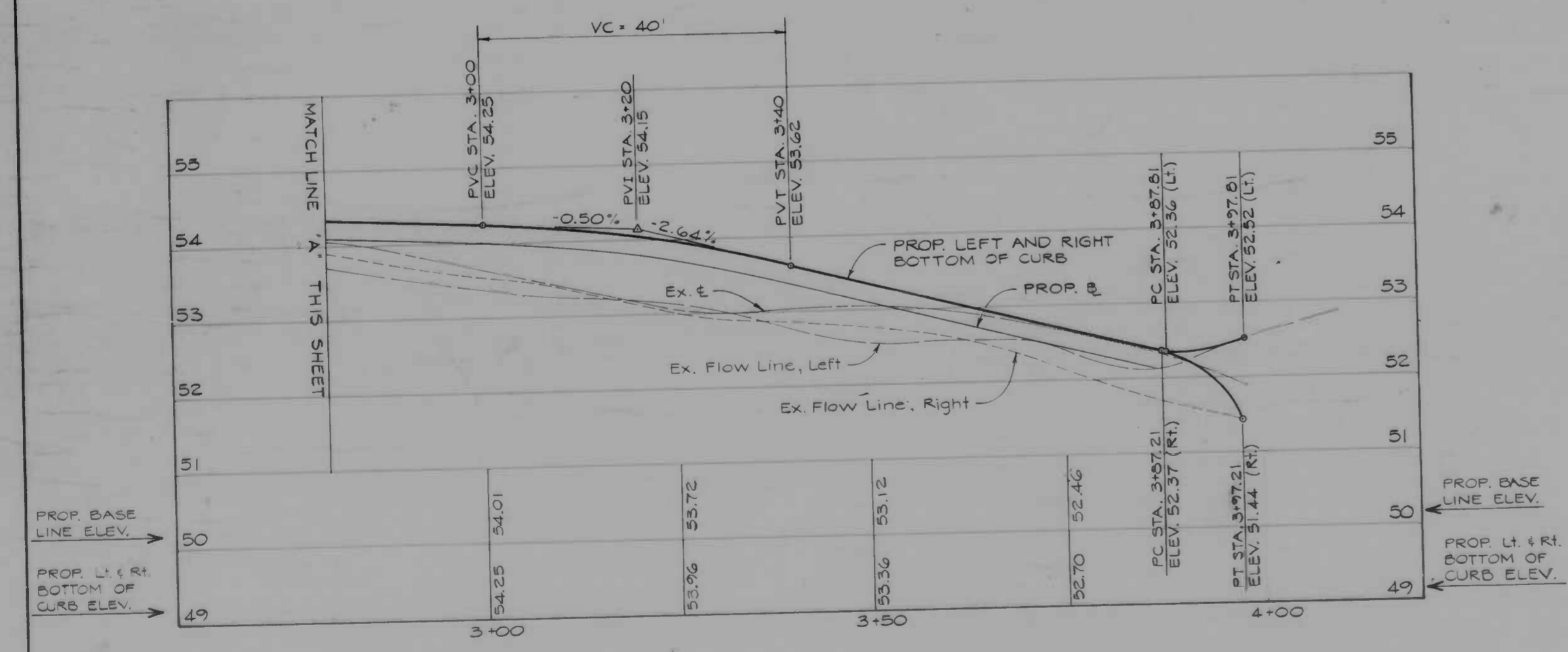
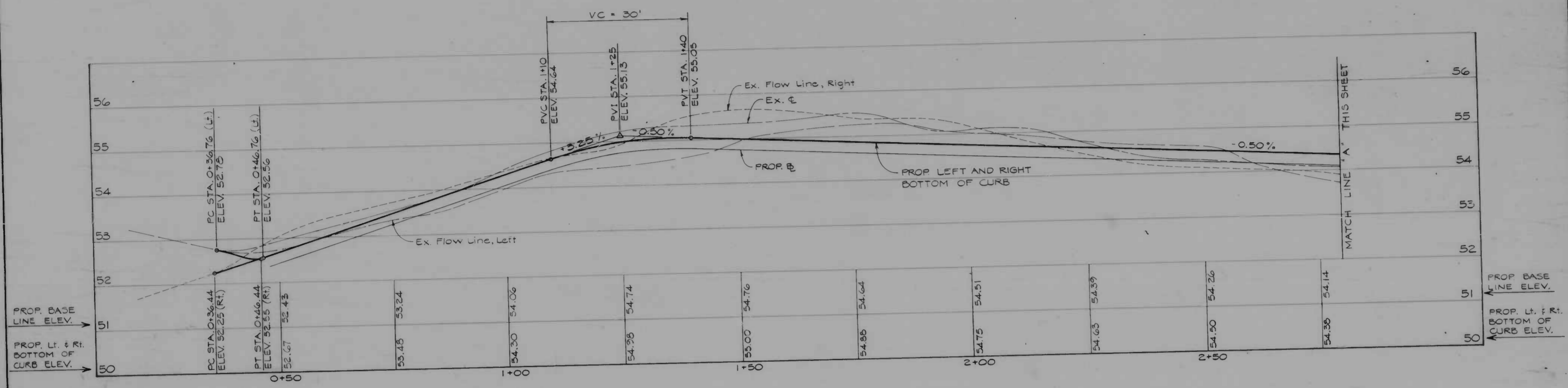
SCALE: AS SHOWN
BUR. OF HIGHWAYS CONT. NO. 3131 SHEET 2 OF 8

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LEMMON STREET RECONSTRUCTION

PROFILE

SCALE HORIZ. 1" = 10' VERT. 1" = 1.0' DATE: _____
BUR. OF HIGHWAYS CONT. NO. 3131 SHEET 3 OF 8

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Sta. 0+30
Std. Type 'S' Inlet (B.C. 379.01)
with Std. Type 'S-7' Frame &
Grate (B.C. 379.04) on Existing
15" Storm Drain. (See Utility
Profiles Sheet No. 5 for Elevations.)

See Contractors attention note
Profile sheet 5

Sta. 1+14 Lt.
Remove and Replace Existing
Top Slab of Steam MH # 151.
Reset Frame & Cover to avoid
Proposed Curb (See Construction
Details Sheet No. 5)

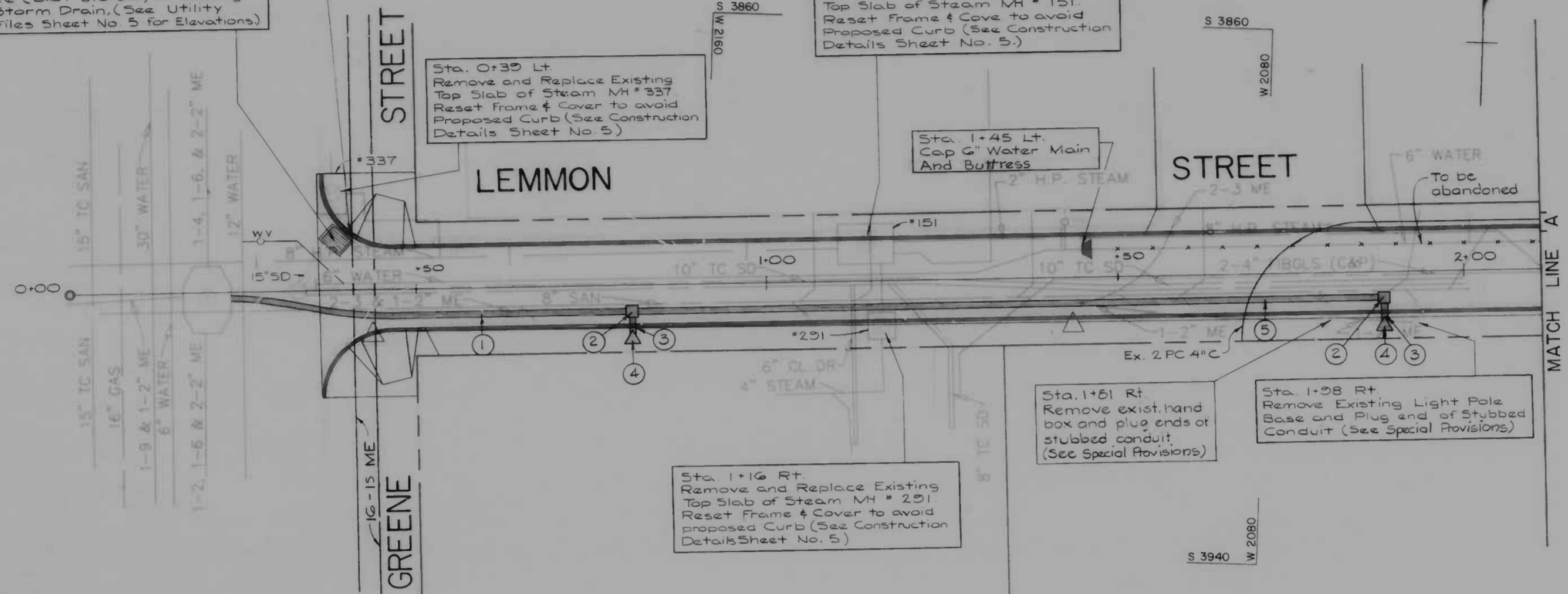
Sta. 0+30 Lt.
Remove and Replace Existing
Top Slab of Steam MH # 337
Reset Frame & Cover to avoid
Proposed Curb (See Construction
Details Sheet No. 5)

Sta. 1+45 Lt.
Cap 6" Water Main
And Butress

S 3860
W 2080

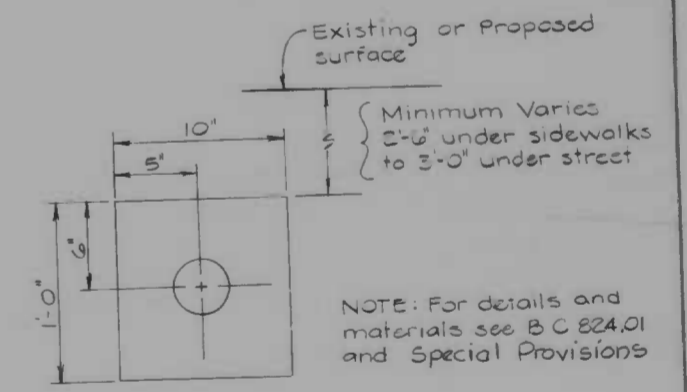
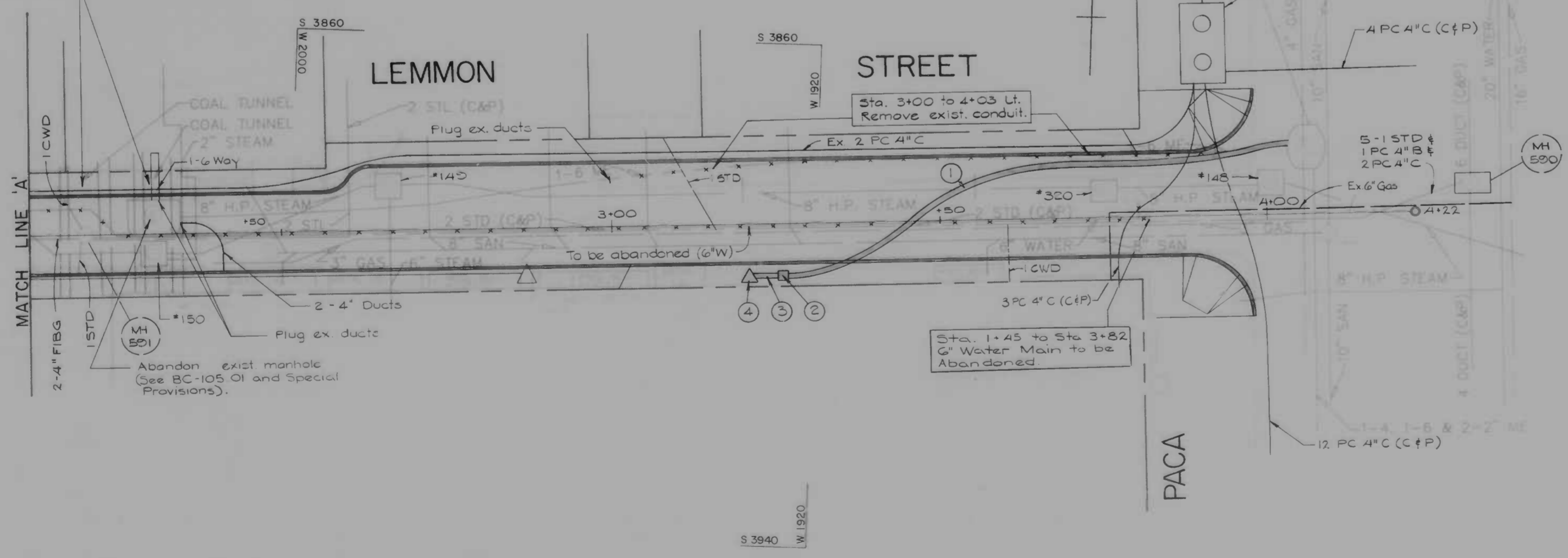
STREET LIGHT LOCATIONS	
STATION	OFFSET
0+81	8' RT
1+88	8' RT
3+21	8' RT

HANDBOX LOCATIONS	
STATION	OFFSET
0+81	0'
1+88	0'
3+26	8' RT



- LIGHTING CONDUIT NOTES**
1. Install 1-3" duct from existing manhole to new hand box. (See detail this sheet and BC 824.01.)
 2. Install new hand boxes from the chart shown on this plan for handbox locations. (See BC 804.01 for details.)
 3. Install 1-3" duct from new hand box to new light pole base. (See BC 824.01.)
 4. Install new light pole base from chart shown on this plan for street light locations. (1" diameter anchor bolts are to be used with an 11-inch bolt circle as directed by the Engineer. For other details see BC 801.01.)
 5. Install 1-3" duct from new hand box to new hand box. (See detail this sheet and BC 824.01.)

Abandon Existing Underground Tunnels
@ Sta. 2+20 & 2+31
See Special Provisions



3" CONDUIT DETAIL
NOT TO SCALE

CITY OF BALTIMORE
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**LEMMON STREET RECONSTRUCTION
UTILITY PLAN**

S. GREENE ST. TO S. PACA ST.

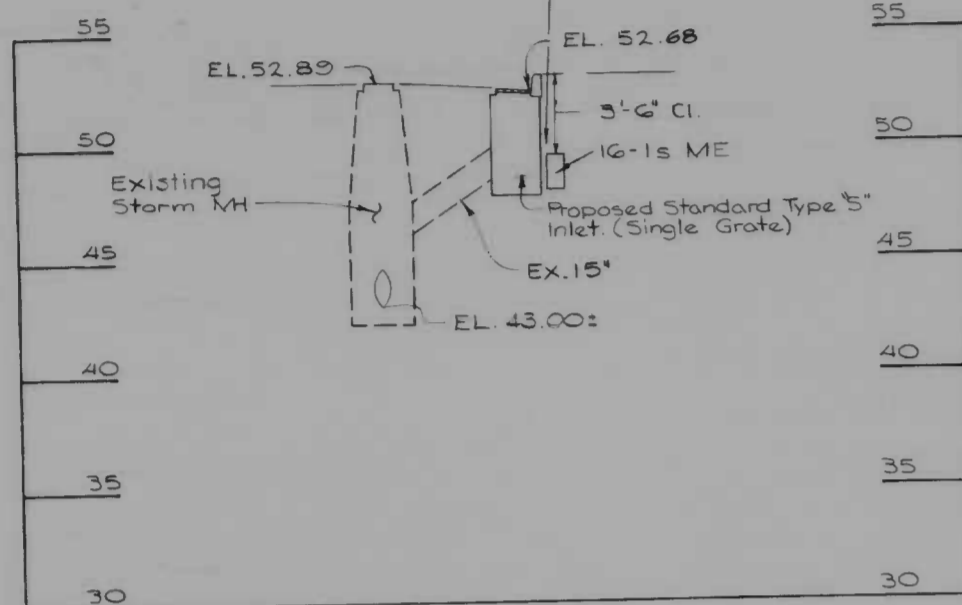
SCALE 1" = 10'
BUR. OF HIGHWAYS CONT NO 3131 SHEET 4 OF 8

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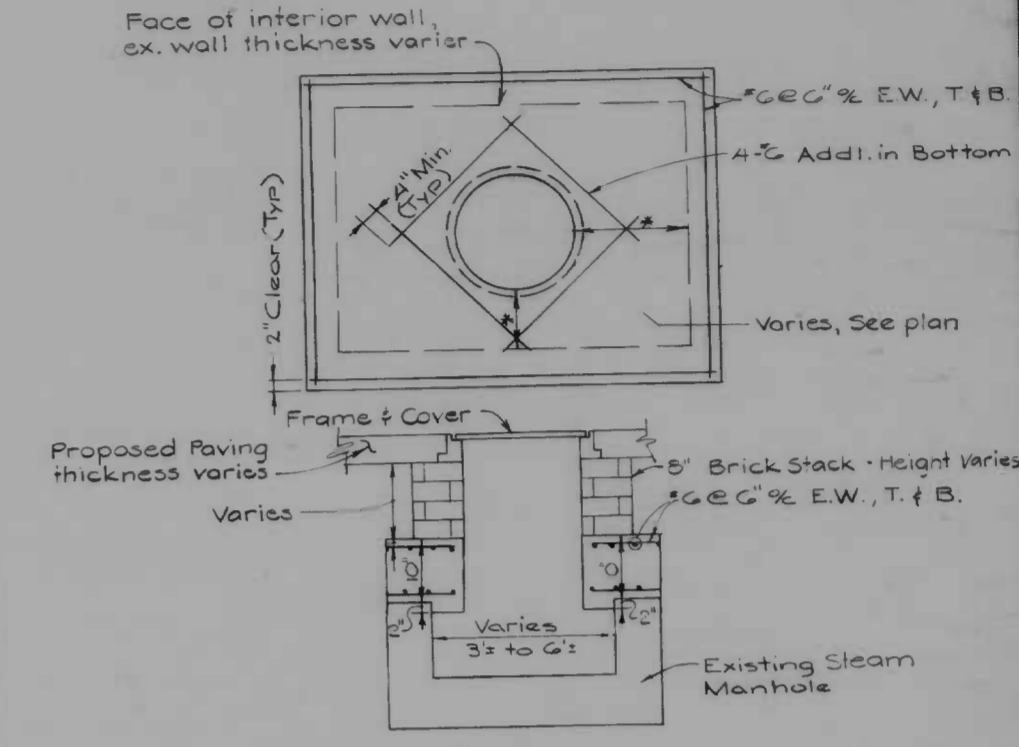
Contractor's attention is directed to limited clearance between the proposed inlet and existing electrical duct which will be protected during his operations. Any damage to the existing electrical duct will be corrected at contractor's expense.



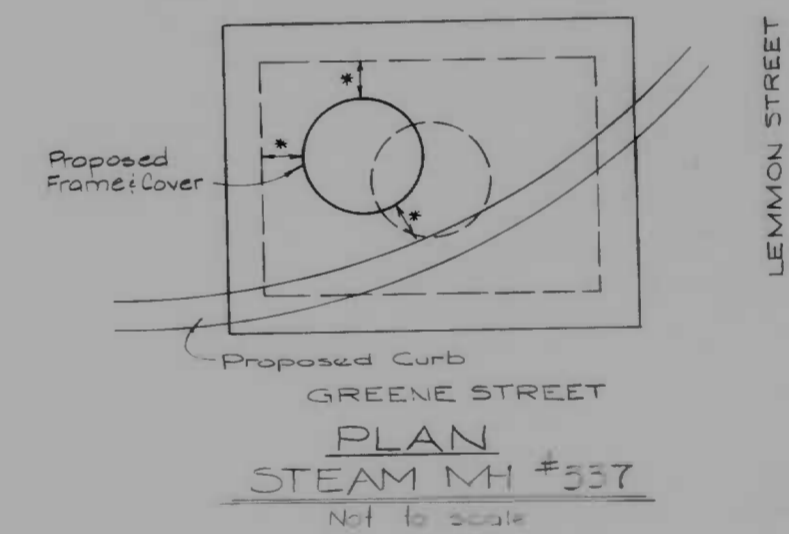
GENERAL NOTES

- The Specifications for this Contract will be the Baltimore City Specifications for Highways, Bridges, Utilities and Incidental Structures dated 1979 and Amendments and Special Provisions.
- All project Coordinates and Bearings as shown on the plans are based on the City of Baltimore Plane Coordinate System.
- All elevations are established using the Baltimore City Metropolitan Datum.
- Limits of removal and replacement of curbs and sidewalks may be extended from those shown on the plans to the nearest man-made joint for a maximum of 3' in which case saw cuts will be necessary to avoid saw cutting and to assure a neat finish upon completing construction.
- All utility adjustment to be completed prior to paving operations.
- Utilities shown on these drawings are for the convenience of the Contractor only and the Engineer does not warrant or guarantee the correctness or the completeness of the information given. The Contractor must verify all such information by contacting the individual utility companies or bureaus to determine the exact location of their respective structures.
- Damage to any existing utilities shall be the sole responsibility of the Contractor.
- SOIL EROSION AND SEDIMENT CONTROL:** Wherever possible, limit grading to only those areas involved in current construction activities and limit the length of exposure of unprotected graded areas. Accomplish temporary or permanent stabilization of areas at the earliest opportunity.
- INLET PROTECTION:** All existing and proposed inlets shall be protected using Baltimore City Standard No. BC-330.01.
- Soil Erosion and Sediment Control Procedures, as defined in Baltimore City Soil Erosion and Sediment Control (Revised July 1, 1984) shall be adhered to strictly. Contractor shall exercise caution to avoid damage to all inlets.
- Expansion material to be placed between proposed sidewalks and other types of construction such as buildings, curbs, and utility structures.
- Adjust and/or taper beginnings and endings of all proposed curb and sidewalk construction to align with existing surfaces.
- CAUTION:** The Contractor will be required to notify FIRE CHIEF FREEBURGER (at 396-1254) for adjusting fire call boxes, a minimum of 48 hours prior to the commencement of nearby sidewalk paving. The Contractor shall adjust fire call boxes to finished grade.
- The Contractor shall maintain vehicular and pedestrian access to all structures and buildings during construction.
- Baltimore Gas & Electric Company / C & P Telephone Company - Contact "MISS UTILITY" 1-800-257-7777 at least 3 working days prior to starting work so they can arrange to mark the location of their facilities.
- The Contractor will be required to notify Mr. Ted Barker (628-4564) of the Baltimore Steam Company 48 hours prior to the commencement of steam manhole reconstruction operations.
- Mr. Barker will supply new frames and covers within 48 hours in the event that the Baltimore Steam Company deems replacement is necessary.
- Notify Mr. J. Julian at 396-0315 two (2) weeks before starting work.
- Existing water valves shall be operated by City Water Maintenance Forces only.
- Caution should be observed when working over or near existing water mains.

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ROOF SLAB DETAILS FOR STEAM MANHOLES NOS. 291, 151, 150, 149, 320 Not to Scale



* Dimensions vary - Frame and Cover to be set in the center of the area between proposed curb & existing manhole walls as directed by the engineer.

CITY OF BALTIMORE
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LEMMON STREET RECONSTRUCTION
UTILITY PROFILE
&
CONSTRUCTION DETAILS

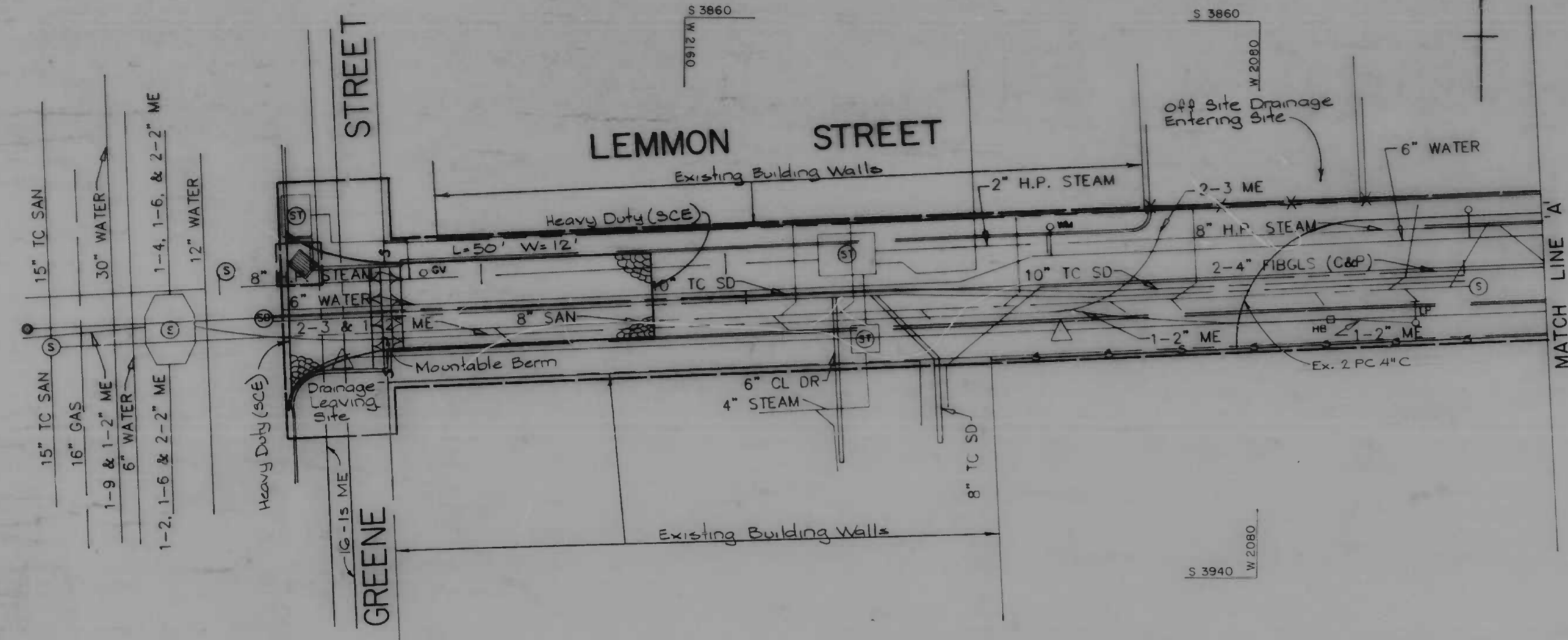
SCALE AS SHOWN DATE
BUR. OF HIGHWAYS CONT. NO. 3131 SHEET 5 OF 8

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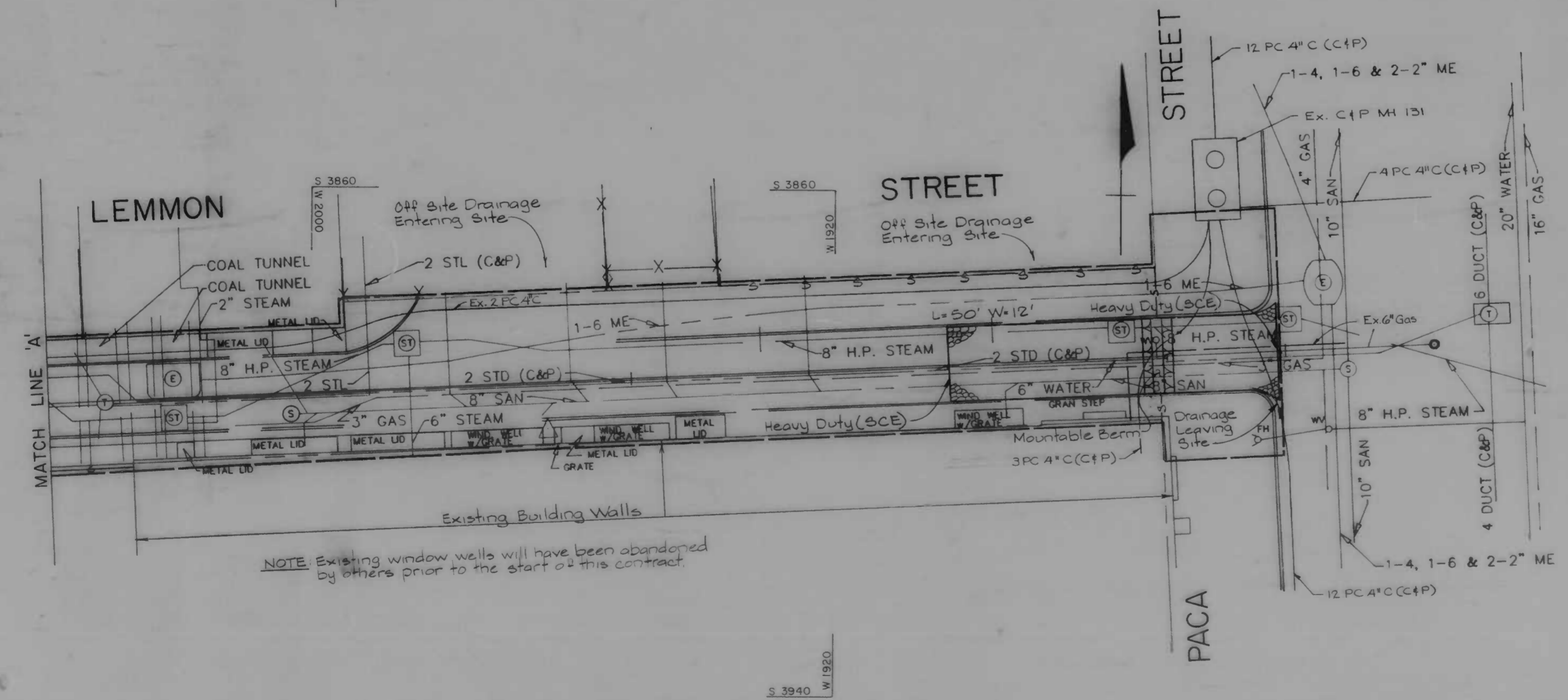
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SITE DATA
 TOTAL DISTURBED AREA 240 SY
 CUT 550 CY
 FILL 70 CY
 WASTE 550 CY

Note: No stockpiling or staging
 Will be Permitted on This Site



NOTE: Existing window wells will have been abandoned
 by others prior to the start of this contract.

CITY OF BALTIMORE
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**LEMMON STREET RECONSTRUCTION
 SOIL EROSION
 &
 SEDIMENT CONTROL
 PLAN**

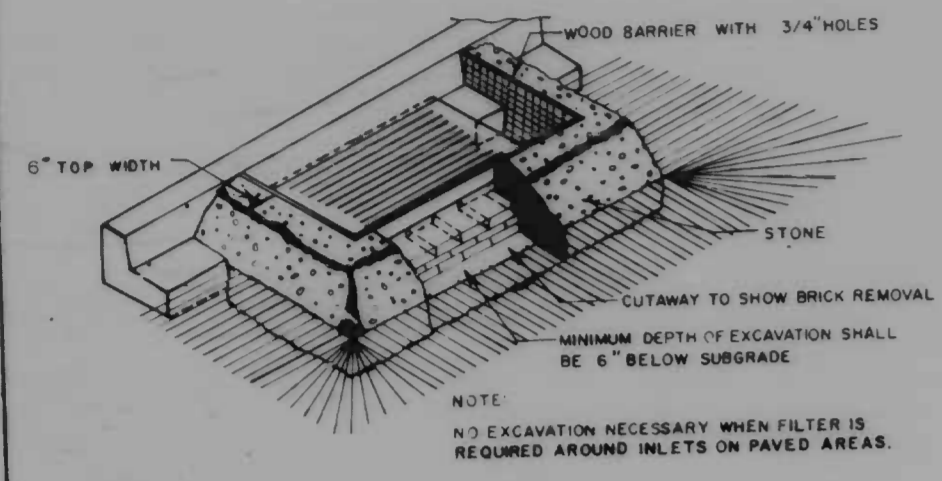
SCALE: 1" = 10' DATE: _____
 BUR. OF HIGHWAYS CONT. NO. 3131 SHEET 6 OF 8

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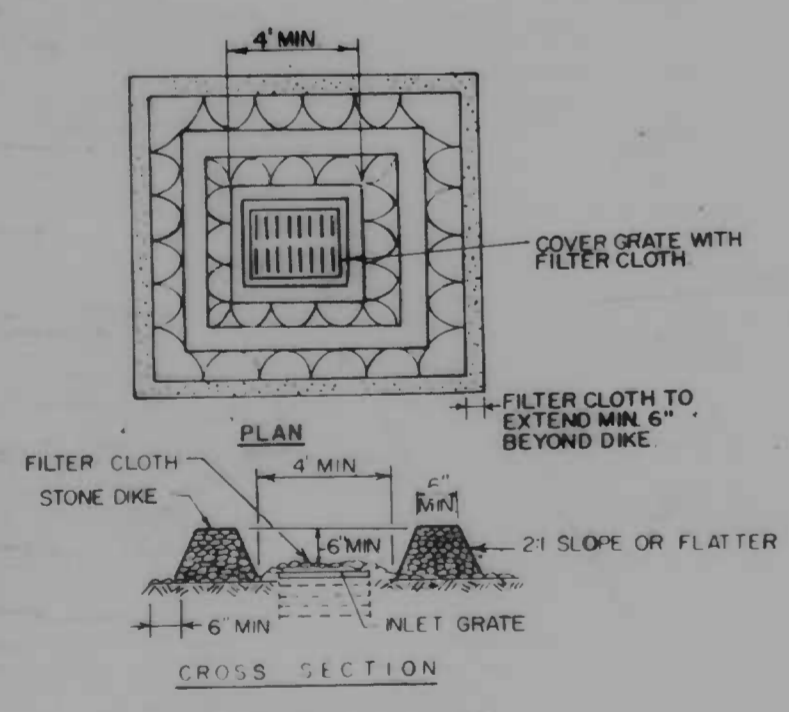
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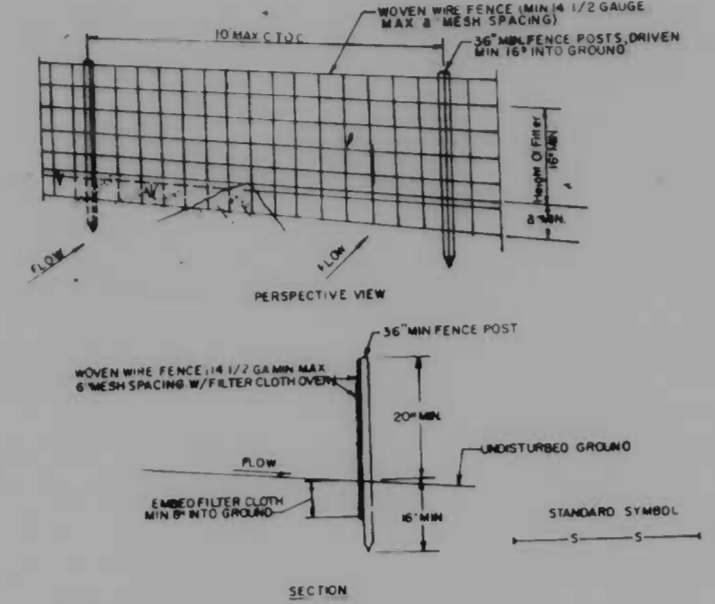
- CONSTRUCTION SPECIFICATIONS**
- Structure shall be inspected after each storm and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed when drainage area has been properly stabilized.
 - The crushed stone used in the outlet shall meet AASHTO Designation M3, Size No. 2 or 24, or its equivalent, such as MSHA No. 2. Gravel meeting the above gradation may be used if crushed stone is not available. Crusher run is not acceptable.

**INLET PROTECTION
DETAIL SC-1**

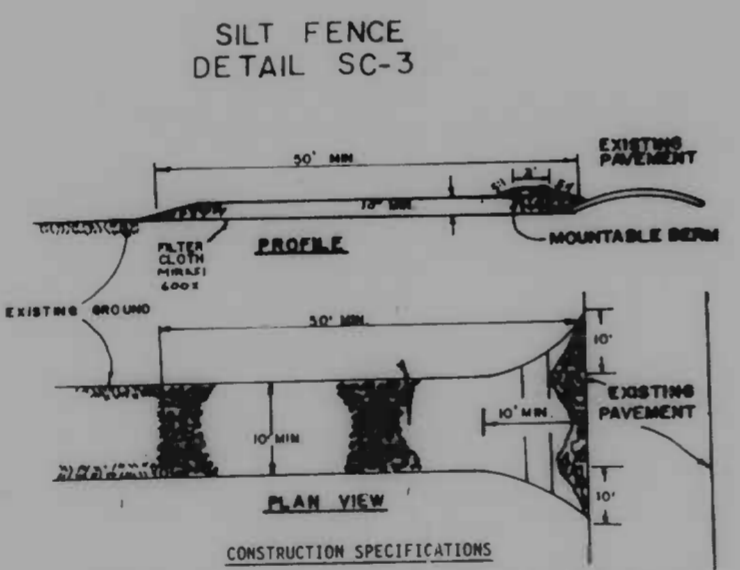


- CONSTRUCTION SPECIFICATIONS**
- Stone for the dike shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA Size No. 2 or AASHTO Designation M3, Size No. 2 or 24. Crusher run is not acceptable.
 - Filter cloth shall be Poly-Filter X, or approved equal.
 - The structure shall be inspected after each rain and repairs made as needed.

**INLET PROTECTION
DETAIL SC-2**

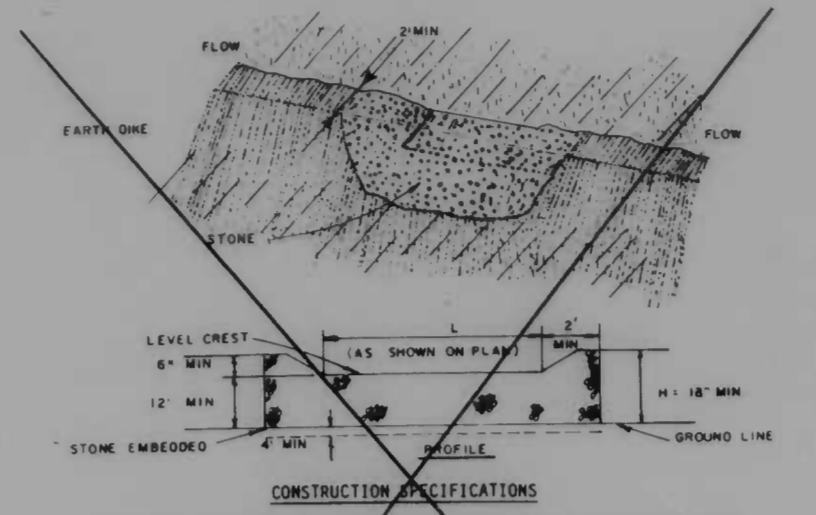


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- Woven wire fence to be fastened securely to fence posts with wire ties or staple.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid-section.
 - When two sections of filter cloth adjoin each other, they shall be overlapped by six inches and folded.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.
- POSTS: Steel, either T or U Type or 2" Hardwood
FENCE: Woven Wire, 14 Ga. 6" max. mesh opening
FILTER CLOTH: Filter X, Mirafil 100X, Stabilinka T140H, or approved equal
PREFABRICATED UNIT: Geofab, Envirofence, or equal



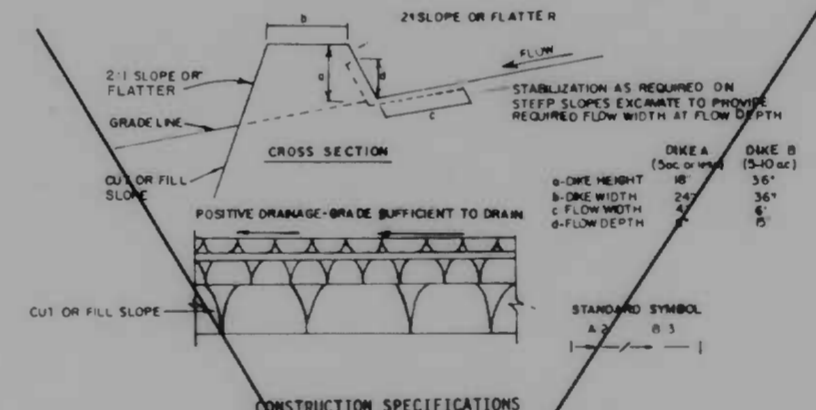
- Stone size: Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length: As required, but not less than 50 feet (except on a single residence lot where a 30-foot minimum length would apply).
- Thickness: Not less than ten (10) inches.
- Width: Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth: Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
- Surface Water: All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- Maintenance: The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed, or tracked onto public rights-of-way must be removed immediately.
- Washing: Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE
DETAIL SC-4
HEAVY DUTY ENTRANCE**



- The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA Size No. 2 or AASHTO Designation M3, Size No. 2 or 24.
- The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
- The stone outlet structure shall be embedded into the soil a minimum of four inches.
- The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage area.
- The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stones, washout, construction traffic damage, etc.

**STONE OUTLET STRUCTURE
DETAIL SC-5**



- CONSTRUCTION SPECIFICATIONS**
- All earth dikes shall be compacted by earth moving equipment.
 - All dikes shall have positive drainage to any outlet.
 - Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
 - Field location should be adjusted as needed to utilize a stabilized, safe outlet.
 - Dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
 - Stabilization shall be: (a) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (b) flow channel as per the chart below. Stone dike need not be stabilized.

FLOW CHANNEL STABILIZATION

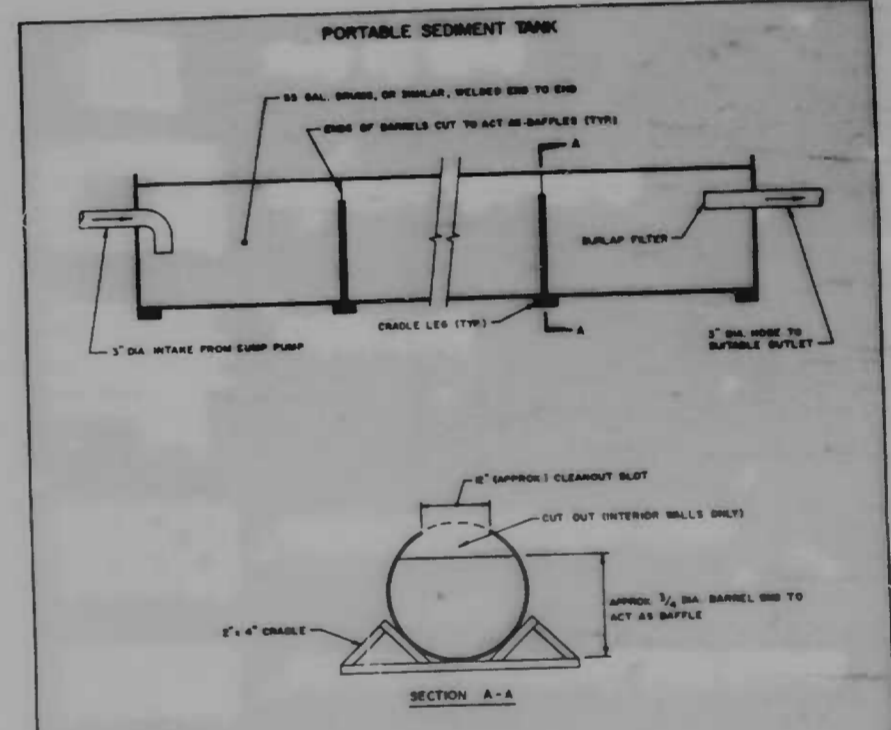
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed and straw mulch	Seed and straw mulch
2	3.1 - 5.0%	Seed and straw mulch	Seed using Jute, or excelsior; sod; 2" stone
3	5.1 - 8.0%	Seed with Jute, or sod; 2" stone	Lined riprap 4 - 8"
4	8.1 - 20%	Lined riprap 4 - 8"	Engineering design

- Stone to be 2-inch stone, or recycled concrete equivalent, in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
 - Riprap to be 4 to 8 inches in a layer at least 8 inches thick and pressed into the soil.
 - Approved equivalent can be substituted for any of the above materials.
- Periodic inspection and required maintenance must be provided after each rain event.

**EARTH / STONE DIKE
DETAIL SC-6/DETAIL SC-7**

LEGEND

- LIMITS OF DISTURBANCE
- [] INLET PROTECTION (SC-1 OR SC-2 AS NOTED)
- S-S- SILT FENCE (SC-3)
- [] STABILIZED CONSTRUCTION ENTRANCE (SC-4)
- NIC [] STONE OUTLET STRUCTURE (SC-5)
- NIC [] EARTH/STONE DIKE (SC-6 OR SC-7 AS NOTED)



- OPERATION INSTRUCTIONS**
- CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
 - STEEL BRIMS ARE USED AS AN EXAMPLE DUE TO THEIR READY AVAILABILITY. ANY TANKS MAY BE USED, PROVIDING THAT THE VOLUME REQUIREMENTS FROM PAGE 22, ALL ARE MET.
 - ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A SEDIMENT TRAPPING DEVICE OR AS APPROVED BY THE INSPECTOR.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	PORTABLE SEDIMENT TANK	STANDARD DRAWING PST-1
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DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS

LEMMON STREET RECONSTRUCTION

SOIL EROSION / SEDIMENT CONTROL DETAIL

SCALE: NO SCALE	DATE
BUR. OF HIGHWAYS CONT. NO. 3131	SHEET 7 OF 8

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STABILIZATION SPECIFICATIONS

TEMPORARY STABILIZATION - ARTICLE 36.12

Planting Season: Temporary seeding can be done anytime of the year except when the ground is frozen. This item shall consist of furnishing and placing all fertilizer, temporary seed and mulch on areas disturbed for more than fourteen (14) days.

Schedule of Procedure: The contractor shall provide temporary stabilization as specified in the approved sediment control plan.

Seedbed Preparation: When the area to be seeded is pocked and hard, the top layer of topsoil shall be loosened by raking or other means before seed is applied.

Lime: No lime shall be required for temporary seeding.

Fertilizer: Commercial fertilizer of an analysis 5-10-5 applied at a rate of 55 pounds per 1000 square feet.

Seeding (Section 20.28-1): Seed mixture, Annual Ryegrass applied at the rate of 3 pounds per 1000 square feet.

Mulching: Applied at the rate of 100 pounds per 1000 square feet. Mulch anchoring - asphalt mix at the rate of 10 gallons per 1000 square feet. The mulch shall be applied by blowing and the asphalt binder material shall be sprayed into the mulch.

N.I.C.

PERMANENT STABILIZATION - ARTICLE 36.06

Planting Season: No sod shall be placed between the dates of June 1 and August 15 inclusive nor at anytime when the temperature is below thirty-two (32) degrees Fahrenheit. No frozen sod shall be used and no sod shall be placed upon frozen soil.

Seedbed Preparation: Before placing or depositing sod upon any surfaces, all shaping and dressing of such surfaces shall have been completed. The completed areas to be sodded shall present a smooth, uniform, well-tilled surface true to line and cross section and any raking required to accomplish this will be done prior to the placing of the sod.

Fertilizers: All areas to be sodded shall be fertilized with a commercial fertilizer of an analysis 10-10-10 and Ureaform fertilizer 38-0-0 applied at the rate of 20 and 5 pounds respectively per 1000 square feet.

Lime: Limed at the rate of 100 pounds of ground limestone per 1000 square feet. The lime and the 10-10-10 and 38-0-0 fertilizers shall be worked into the top two (2) inches of soil prior to placing sod.

Seedmixture Grass Sod (Section 20.28-3):

TYPE A - Bluegrass Sod
 not less than 60% Kentucky Bluegrass
 not more than 35% Creeping Red Fescue
 not more than 10% other grasses and legumes

TYPE B - Tall Fescue Sod
 not less than 80% Tall Fescue
 not more than 20% other grasses and legumes

N.I.C.

CONSTRUCTION SEQUENCE

1. Remove that pavement necessary to construct sediment controls.
2. Install sediment controls including silt fence and stabilized construction entrances.
3. Construct utilities, including tunnel abandonment, water main abandonment, steam manhole modifications, and storm drain construction.
- 3a. Construct silt fence.
4. Install inlet protection.
5. Remove remaining existing paving and excavate to project subgrade.
6. Compact subgrade, and install aggregate base course.
7. Construct concrete curbs and roadway paving, removing only that portion of the stabilized construction entrances or other sediment control measures in direct conflict with the new paving.
8. Construct concrete sidewalk and aprons, removing only those sediment control measures in direct conflict with the new sidewalk.
9. Construct temporary bituminous sidewalk, removing remaining sediment controls.

DRAWN BY
EXAMINED BY

BALTIMORE CITY SEDIMENT CONTROL

Title B, Subtitle II, Natural Resources, Annotated Code of Maryland and Baltimore City Ordinance 1013, require that provisions to control erosion and sediment shall be included for all City land disturbance. As required by State Law, construction cannot be started until such erosion and sediment control provisions are approved.

The Contractor must filter all run-off and control all sediment within the project. All work must comply with all requirements of the "Baltimore City Erosion and Sediment Control Manual" and the "1983 Maryland Standards And Specifications For Soil Erosion And Sediment Control", as distributed and modified by the Baltimore City Sediment Control Section.

Nothing herein relieves the Contractor from complying with any and all other Federal, State or Municipal Regulations.

EROSION AND SEDIMENT CONTROL NOTES

1. All utilities to be constructed first, prior to any construction on the site.
2. No pumping from foundation excavations will be allowed directly into City system unless it is filtered by way of Sediment Traps or Filter.
3. All excavation material shall be placed on the high side whenever possible and confined to an area where it will not obstruct the normal flow of drainage courses.
4. Continuous inspection and maintenance of all Sediment Control devices will be required.

INSTRUCTIONS

- For land disturbing activities it is understood that the following conditions will be met:
- A. Grading**
1. All disturbed areas shall be protected to control erosion and to prevent sedimentation of adjacent properties, storm sewers and/or streams.
 2. Sediment control devices such as diversion berms, sediment traps, silt fences, vegetative stabilization, etc., shall be used to prevent off-site sedimentation at all times, at every location throughout the site where natural or existing conditions would cause sediment to normally wash off the site.
 3. No proposed cut or fill will exceed three feet in depth (cut) or height (fill) without erosion and sediment controls. Exclusive of excavation for foundations.
 4. No fill will be placed on any existing slope steeper than 5:1 without erosion and sediment controls.
 5. There will be no final graded slope steeper than 2:1.
 6. Borrow and/or spoil material shall not be stockpiled within the limits of this project.
 7. All fills will be free of any organic or other deleterious materials and will be compacted. All areas to receive fill will have the ground surface prepared by removing all existing vegetation and root mat.
 8. The proposed grading will not impair existing surface drainage, constitute a potential erosion hazard, or source of sedimentation to any adjacent property, drainage way or right-of-way.
 9. All points of ingress and egress shall be protected to prevent tracking of mud onto public ways.
- B. Stabilization**
1. As soon as final grading is completed, all disturbed areas will be stabilized with temporary or permanent means, including stone, blocktop, conc. surfacing, etc.
 2. For vegetating areas steeper than three horizontal units to one vertical unit, adequate mulch, fertilizer and type of seed will be placed to ensure a vigorous ground cover and such application will be repeated, if necessary, until such growth is established - N.I.C.
 3. Timing - Following initial soil disturbances or redistribution, permanent or temporary stabilization shall be completed within:
 - a. Seven calendar days for the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes greater than three horizontal to one vertical (3:1) and;
 - b. Twenty-four (24) hours for disturbed areas such as base repairs, alley returns, curb repairs, bus pads, pedestrian ramps, sidewalks and backfilled utility trenches. Stabilization shall consist of a minimum of 4 inch Graded Aggregate Sub-base and;
 - c. Fourteen calendar days for all other disturbed or graded areas.
 4. For Details regarding temporary and permanent stabilization practices, reference the "1983 Maryland Standards And Specifications For Soil Erosion And Sediment Control", or contact the Baltimore City Sediment Control Representative.
 5. Sediment control devices are to be removed only after all disturbed areas have been stabilized.

CONDITIONS

- The Contractor will submit written notification to the Baltimore City Sediment Control Representative at least three working days before starting any grading activities, stating the following:
1. The day he intends to start work
 2. The source of all borrow material
 3. The designated stockpile area
 4. The Contractor's staging area
 5. The disposal site for all excess material
 6. The construction sequence or acceptance of sequence on this sheet
 7. The completion day of the work

STABILIZATION SCHEDULE

ACTIVE	INACTIVE	TYPE OF STABILIZATION ① Temporary ② Permanent	SQUARE FOOTAGE	CONSTRUCTION SEQUENCE
✓		① Stabilized Construction Entrances	1,200	2
✓		① Aggregate Base Course	5,670	6
✓		② Concrete Pavement	5,670	7
✓		② Concrete Sidewalks and Aprons	1,930	8
✓		② Bituminous Sidewalks	737	9

NOTE: Quantities shown in the Stabilization Schedule above are relevant to only the Soil Erosion and Sediment Control Personnel of Baltimore City.

Owners/Developers Certification

I/We hereby certify that any clearing, grading, construction and/or development will be done pursuant to this plan and that all responsible personnel involved in the construction project will have a certification of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project.

James A. Zito *James A. Zito*
 Signature Owner/Developer Print Name Date: Aug. 8, 1986

204 Municipal Bldg. 396-4600
 Address Phone

Engineer's Certification

I certify that this plan for Erosion and Sediment Control represents a practical, workable plan based on personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Baltimore City Erosion and Sediment Control Section.

Cay G. Weinel, Jr. *CAY G. WEINEL, JR., P.E.*
 Signature Print Name Date: 8/27/86

1009 N. CALVERT ST.
 BALTIMORE, MD. 21202 637-0194
 Address Phone

APPROVED BY: *Fredrick Mose* 8/1/86
 EROSION & SEDIMENT CONTROL REPRESENTATIVE

Department of Public Works, Bureau of Highways
 Environmental Services Division, Erosion and Sediment Control Section
 309 Municipal Building, Baltimore, MD 21202
 Phone - (301) 396-3693

CITY OF BALTIMORE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS

LEMMON STREET RECONSTRUCTION

SOIL EROSION / SEDIMENT CONTROL NOTES

SCALE NONE DATE SEPT. 27, 1985
 BUR. OF HIGHWAYS CONT. NO. 3131 SHEET 8 OF 8

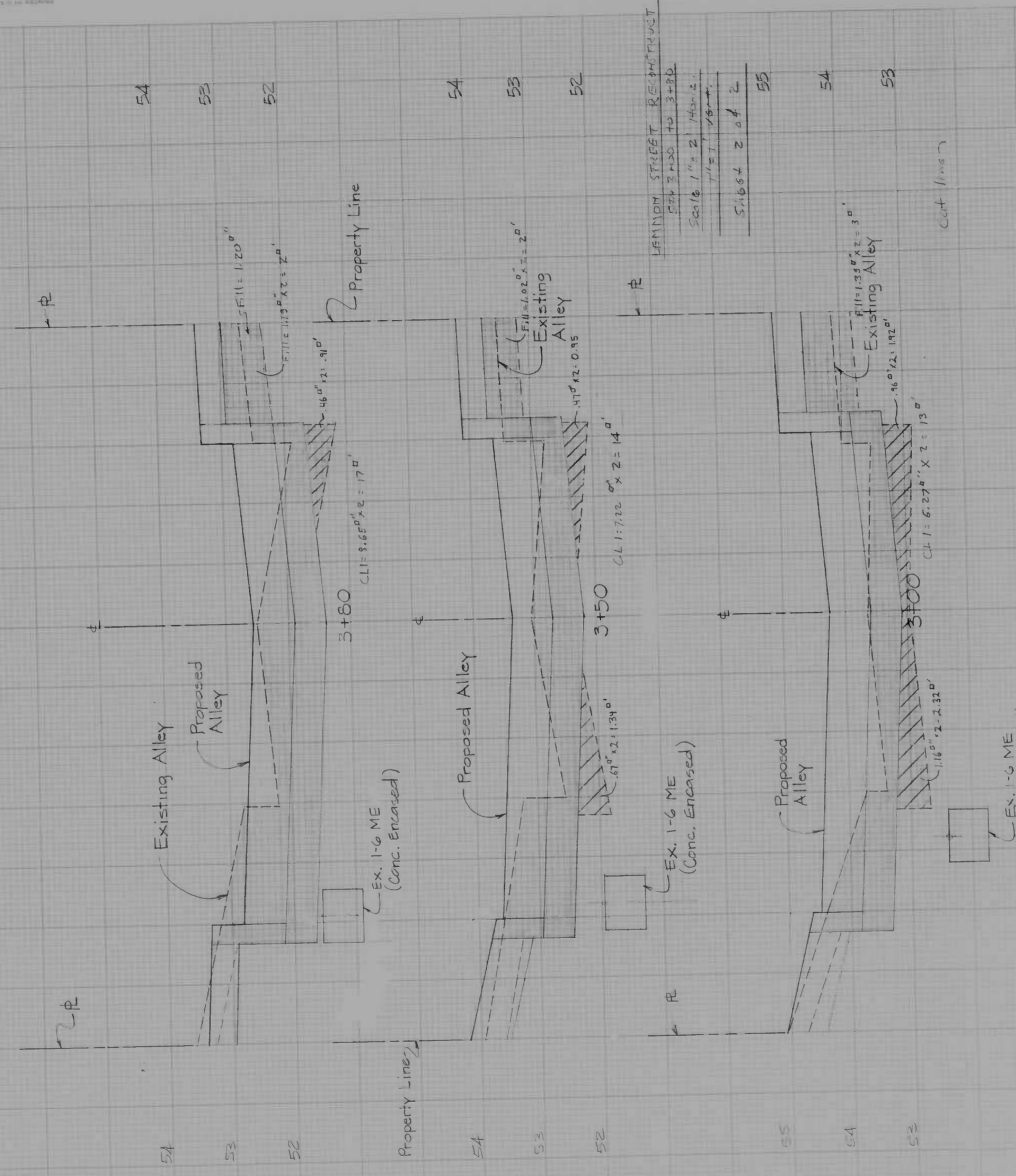
FILE REF.



LEMMON STREET / X-SECTION
 STA. 0+50 TO STA. 3+50
 SCALE: Horiz. 1" = 20'
 Vert. 1" = 1'
 Sheet 1 of 2
 Bur. of Highways Cont. No. 3131

LEMMON STREET RELAYMENT

Scale	1/2" = 20'
Sheet	1 of 2



LEMMON STREET RECONSTRUCTION
 FROM 3+20 TO 3+80
 Scale 1" = 2' HORIZ.
 1" = 1' VERT.
 51664 2 of 2

LEMMON STREET X-SECTION
 SCALE: HORIZ 1" = 2'
 VERT 1" = 1'
 SHEET 2 OF 2

Bur. of Highways Cont. No. 3131