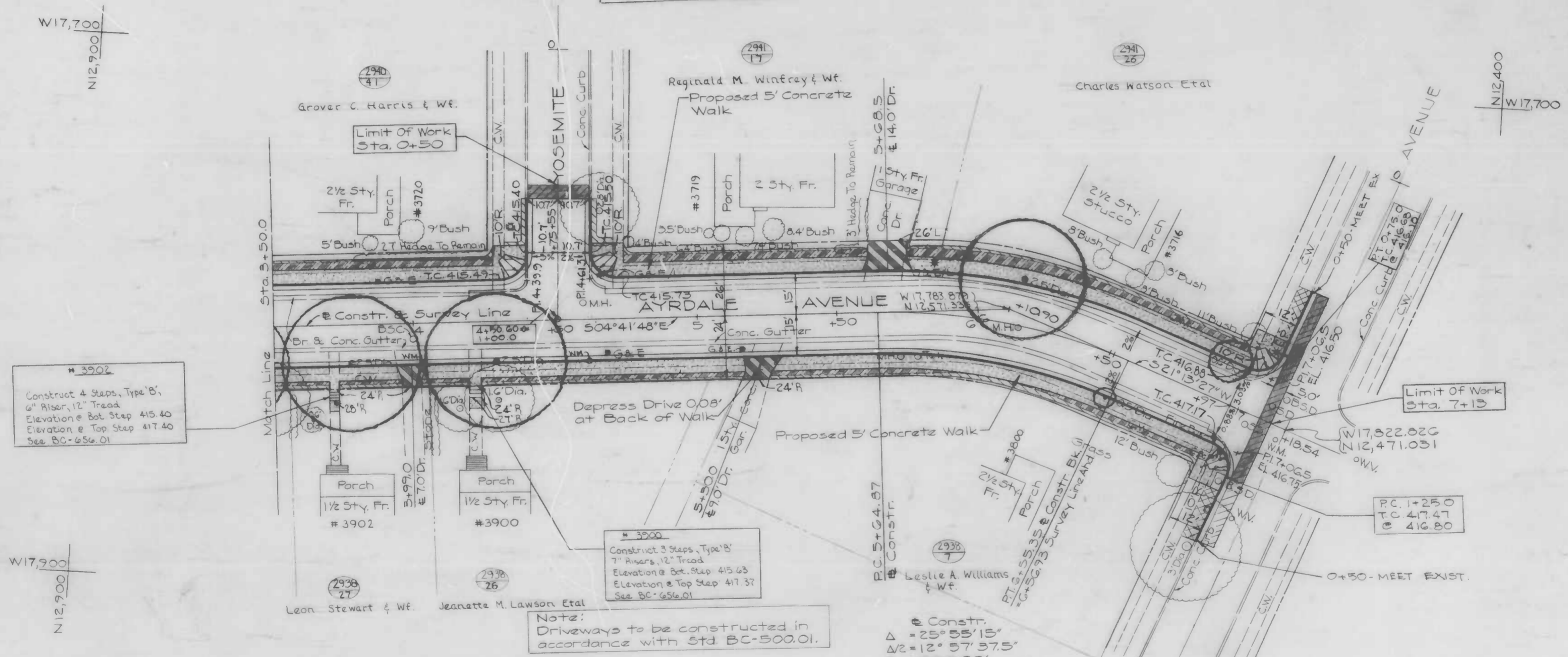
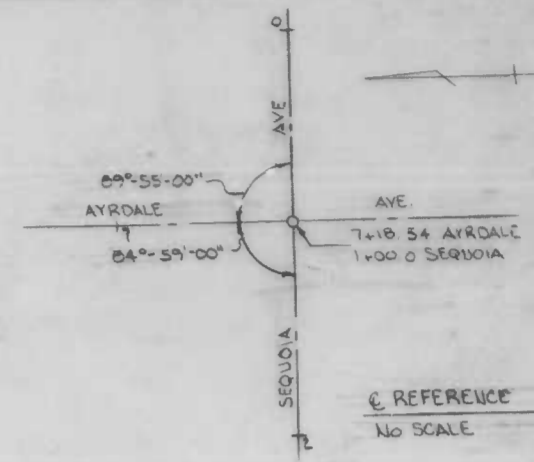
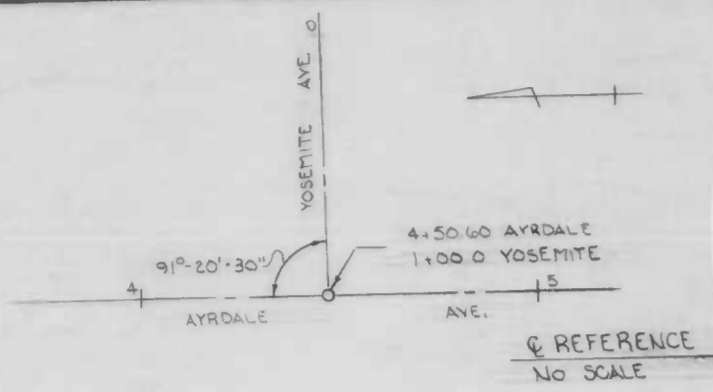




FILE REF.

REVISIONS		
NO.	DESCRIPTION	DATE BY

STA.	OFFSET	DIA.	SPREAD
3+78.24	14.24' R	25'	51.0'
4+28.55	14.44' R	25'	51.0'
6+12.50	17.0' L	25'	45.0'
6+55.44	15.85' R	25'	8.0'
6+90.34	14.83' L	0.6'	17.0'



Constr.  
 $\Delta = 25^{\circ} 55' 15''$   
 $\Delta/2 = 12^{\circ} 57' 37.5''$   
 $R = 200.00'$   
 $T = 46.03'$   
 $Cd = 89.71'$   
 $L = 90.48'$   
 $d = 0.59 \text{ min./ft.}$

Notes:  
 Driveways to be constructed in accordance with Std. BC-500.01.

# 3902  
 Construct 4 Steps, Type 'B',  
 6" Risers, 12" Tread  
 Elevation @ Bot. Step 415.40  
 Elevation @ Top Step 417.40  
 See BC-656.01

# 3900  
 Construct 3 Steps, Type 'B',  
 7" Risers, 12" Tread  
 Elevation @ Bot. Step 415.63  
 Elevation @ Top Step 417.37  
 See BC-656.01

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3061

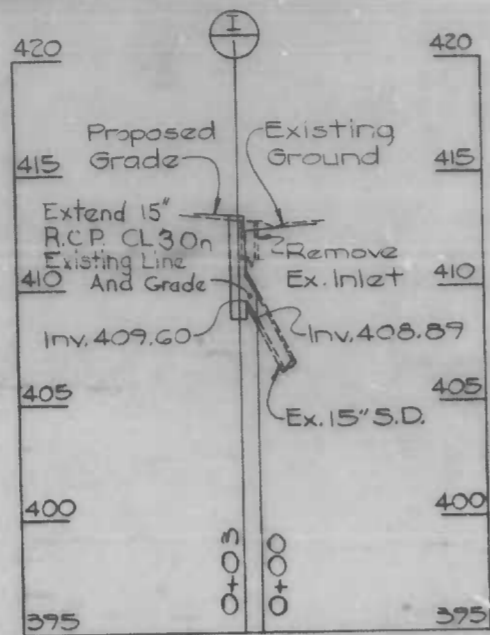
AYRDALE AVENUE  
 BELLE AVENUE - SEQUOIA AVENUE  
 STA. 3+50.0 TO SEQUOIA AVE.  
 PLAN

SCALE 1" = 20' DATE  
 HIGHWAY ENGINEERING DIVISION SHEET 4 OF 11  
 FILE REF.

DRAWN BY R.V. Bracato  
 EXAMINED BY J.A. Cizslak

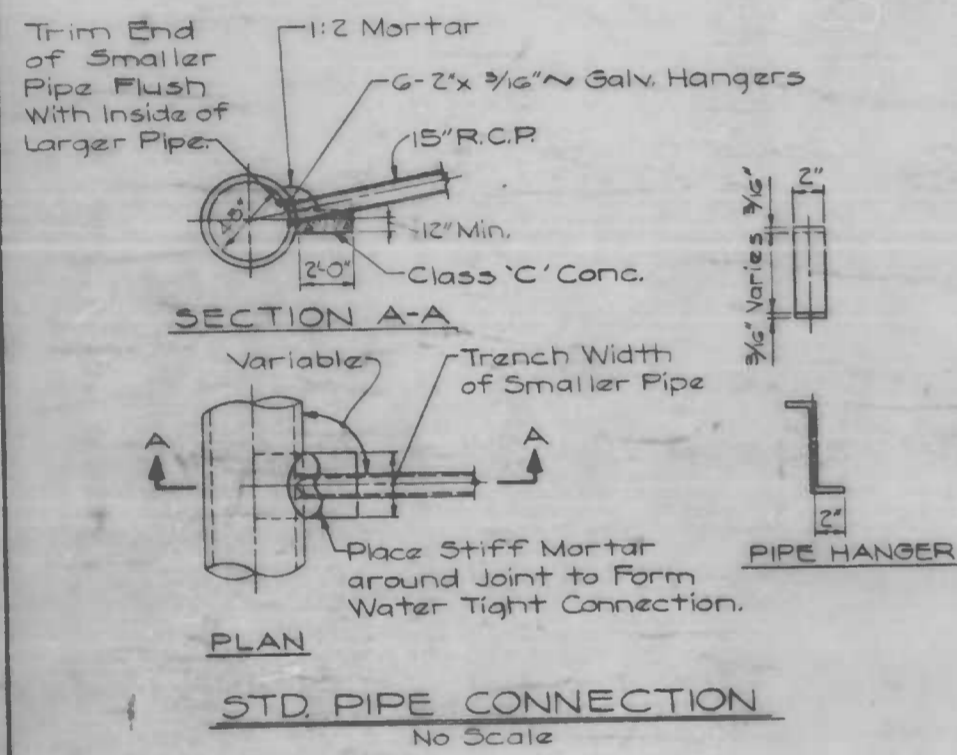
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REVISIONS		
NO.	DESCRIPTION	DATE

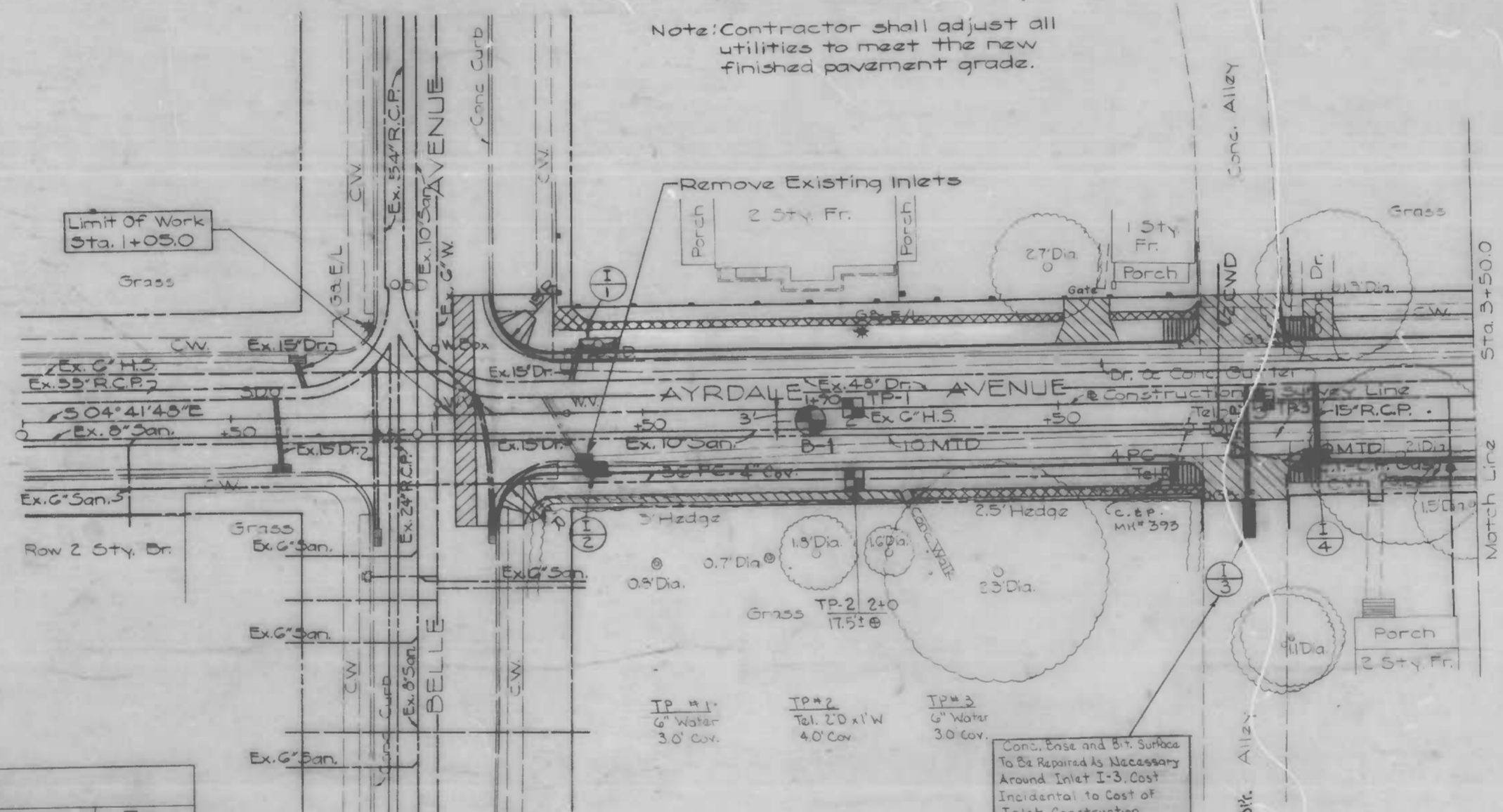


W17,700  
N15,200

W17,700  
N15,200



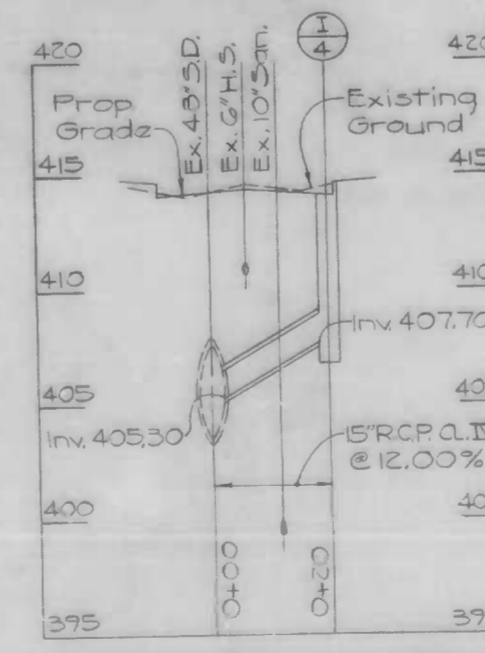
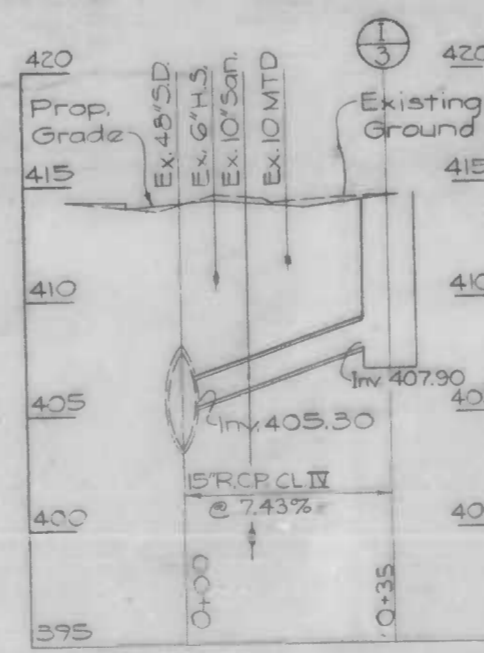
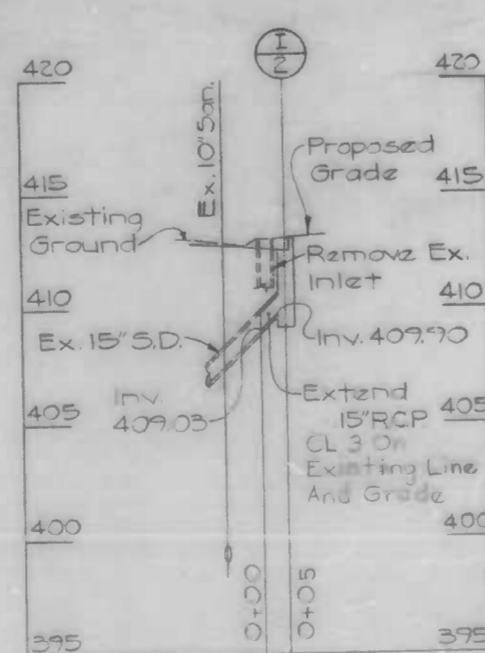
Note: Contractor shall adjust all utilities to meet the new finished pavement grade.



INLET SCHEDULE						
No.	Type	Ref. Lnz	Station	Offset	Invert Out	Top Grate
I-1	Std. Type 'H'	E & Survey	1+40	15' Lt.	409.60	412.46
I-2	Std. Type 'E' Comb.	"	1+45	15' Rt.	409.90	412.46
I-3	Std. Duplex Type 'E'	"	2+90	29' Rt.	407.90	414.50
I-4	Std. Type 'E' Comb.	"	3+13	15' Rt.	407.70	414.10

Sump @ Sta. 1+41.76

W15,000  
N15,200



Overhead Poles to be Relocated Behind the Proposed Sidewalk by others. Not in Contract

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3061

**AYRDALE AVENUE**  
BELLE AVENUE-SEQUOIA AVENUE  
BELLE AVE. TO STA. 3+50.0  
UTILITY PLAN

SCALE 1" = 20' Hor. 1" = 5' Vert. DATE  
HIGHWAY ENGINEERING DIVISION SHEET 10 OF 11

SEE SHEET 7 FOR WATER NOTES  
WATER ENGINEERING DIVISION. ECG

DRAWN BY R.V. Brocato  
EXAMINED BY J.A. Cieslak

Drawn By Cx. Curtis  
Check By Wm. Yaiter  
Chief Water Eng. Div

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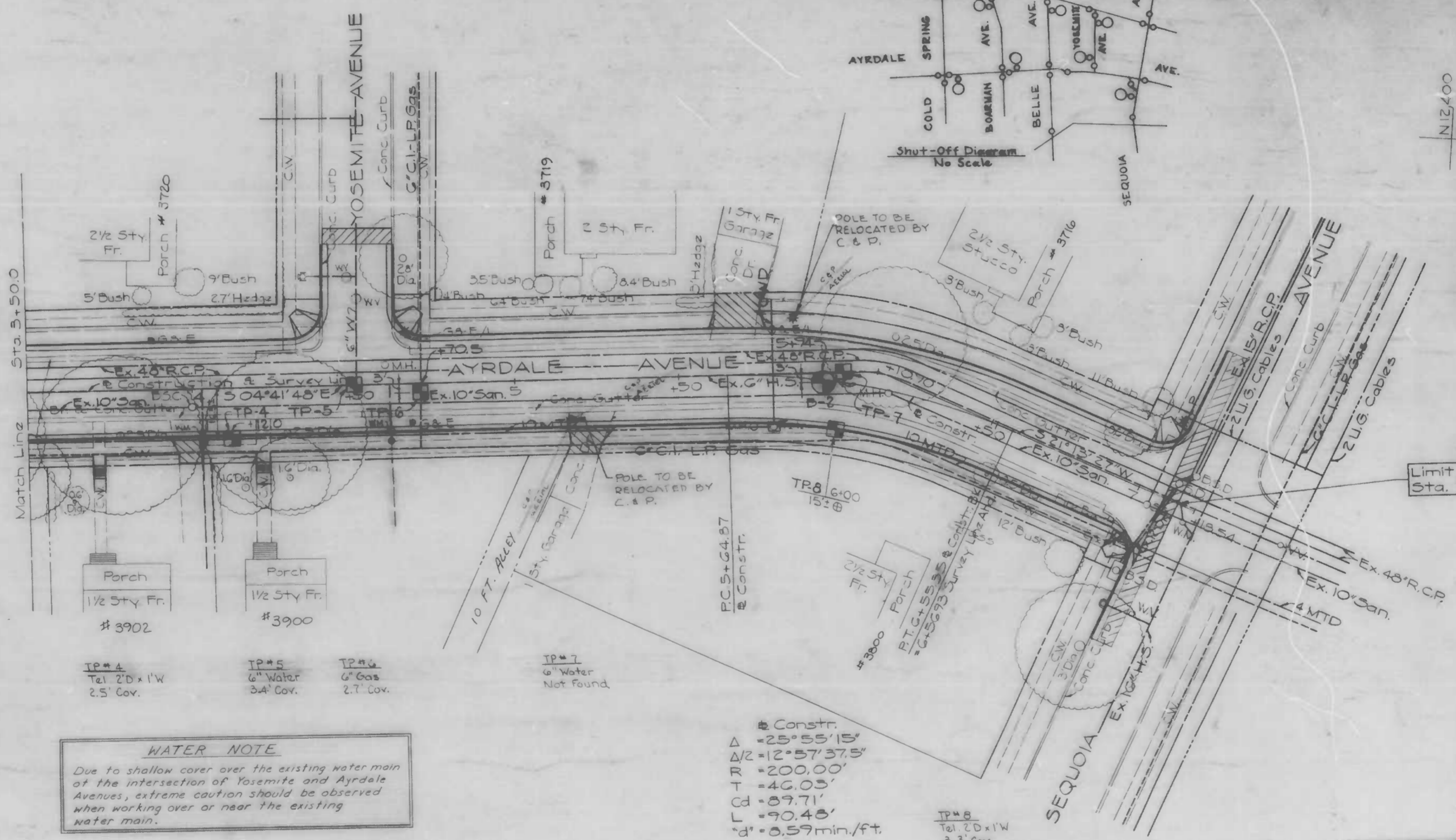
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

**WATER NOTES**

- 1) Notify The Bureau Of Water & Waste Water Maintenance Division At 396-0243 (1) One Week Before Starting Work.
- 2) All Existing Water Valve Shall Be Operated By The Bureau Of Water & Waste Water Maintenance Division Forces Only.
- 3) All Water Supply Services And/Or Meter Relocations Shall Be Done In Accordance With The Contract Documents And The Book Of Standards.
- 4) Contractor Shall Observe Extreme Caution When Working Near Or Over Existing Water Facilities.
- 5) Existing Water Supply Services And/Or Meters To Be Relocated In AYRDALE AVE.
  - a) Relocation Of (2) Two Single Setting 3/8" Meter Item-801.
  - b) Relocation Of (1) One Single Setting 3/4" Meter Item-802.

Working Pressure.... 67 P.S.I.  
Test Pressure.... 150 P.S.I.



Overhead Poles to be Relocated Behind the Proposed Sidewalk By others. Not in Contract

Limit of Work Sta. 7+13

**WATER NOTE**  
Due to shallow cover over the existing water main at the intersection of Yosemite and Ayrdale Avenues, extreme caution should be observed when working over or near the existing water main.

Constr.  
Δ = 25° 55' 15"  
R/2 = 12° 57' 37.5"  
R = 200.00'  
T = 46.03'  
Cd = 89.71'  
L = 90.48'  
d = 0.59 min./ft.

TP#4  
Tel 2'D x 1'W  
2.5' Cov.

TP#5  
6" Water  
3.4' Cov.

TP#6  
6" Gas  
2.7' Cov.

TP#7  
6" Water  
Not Found

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3061

**AYRDALE AVENUE  
BELLE AVENUE~SEQUOIA AVENUE  
STA. 3+50.0 TO SEQUOIA AVE.  
UTILITY PLAN**

SCALE 1"=20'  
DATE \_\_\_\_\_  
HIGHWAY ENGINEERING DIVISION SHEET 7 OF 11

WATER ENGINEERING DIVISION Ec 6

Drawn By: C.P. Curtis  
Checked By: W.A. Walter  
Chief, Water Eng. Sect.

Drawn By: R.V. Bracato  
Examined By: J.A. Cizslak

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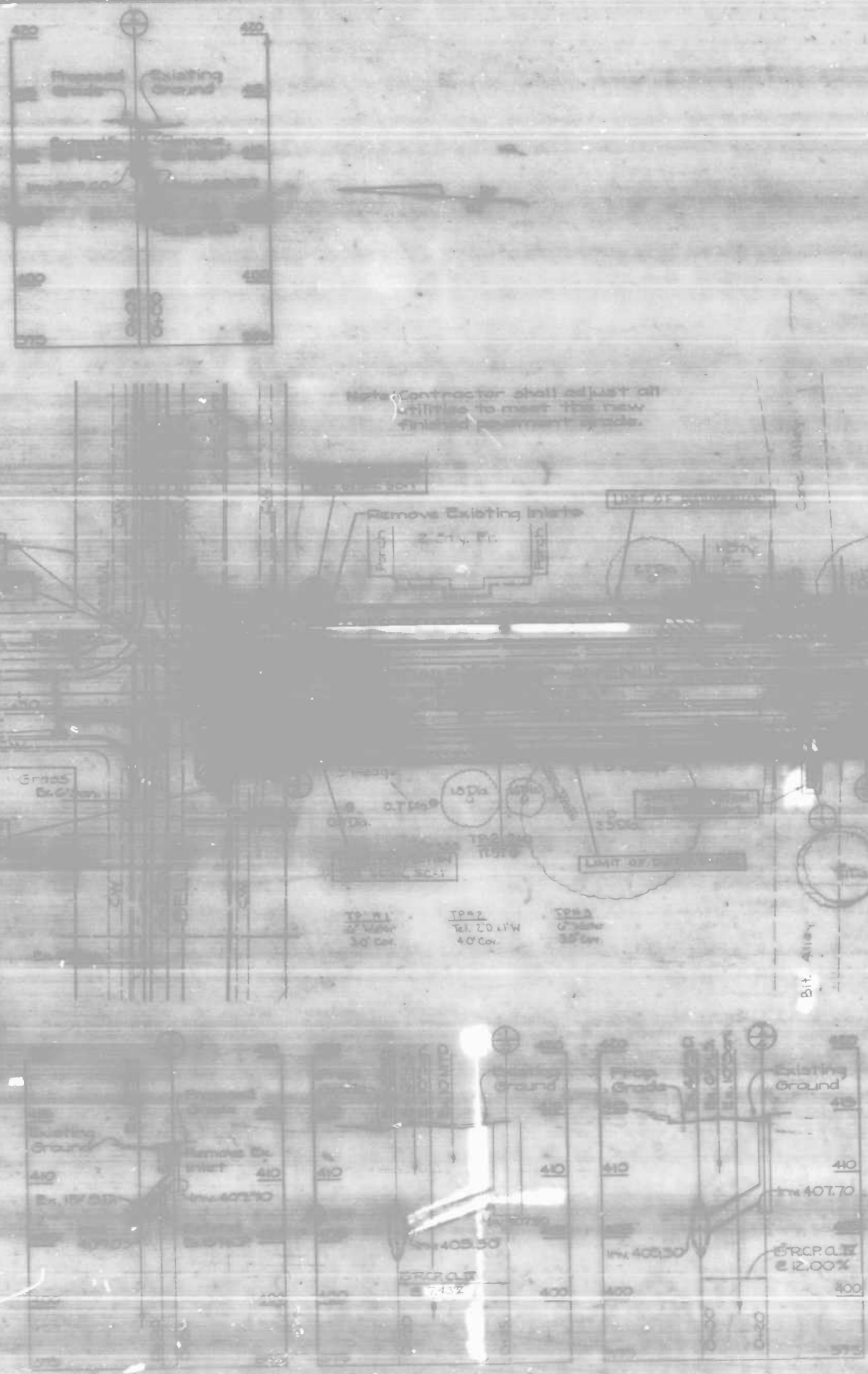
NO.	REVISIONS	DESCRIPTION	DATE	BY



**INLET SCHEDULE**

No.	Type	Ref. Line	Station	Offset	Invert	Top
1	Circle Type H	EA	1+60	15'	40.00	41.00
2	Circle Type H	EA	1+70	15'	40.00	41.00
3	Circle Type E	EA	3+00	15'	40.00	41.00
4	Circle Type E Comb	EA	3+00	15'	40.00	41.00

Scale: 1" = 4'-0"



FOR GENERAL NOTES, SEE SHEET 10  
FOR DESIGN GENERAL NOTES, SEE SHEET 11

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 5061

**AYRDALE AVENUE**  
**BELLE AVENUE-SEQUOIA AVENUE**  
BELLE AVE TO STA. 3+50.0

SOIL EROSION / SEDIMENT CONTROL PLAN

SCALE: 1" = 20' (SEE SHEET 10)  
HIGHWAY ENGINEERING DIVISION SHEET 5 OF 11

DESIGNED BY R.V. Drozdz  
DRAWN BY J.A. Ciesick

FILE REF.

FILE REF.

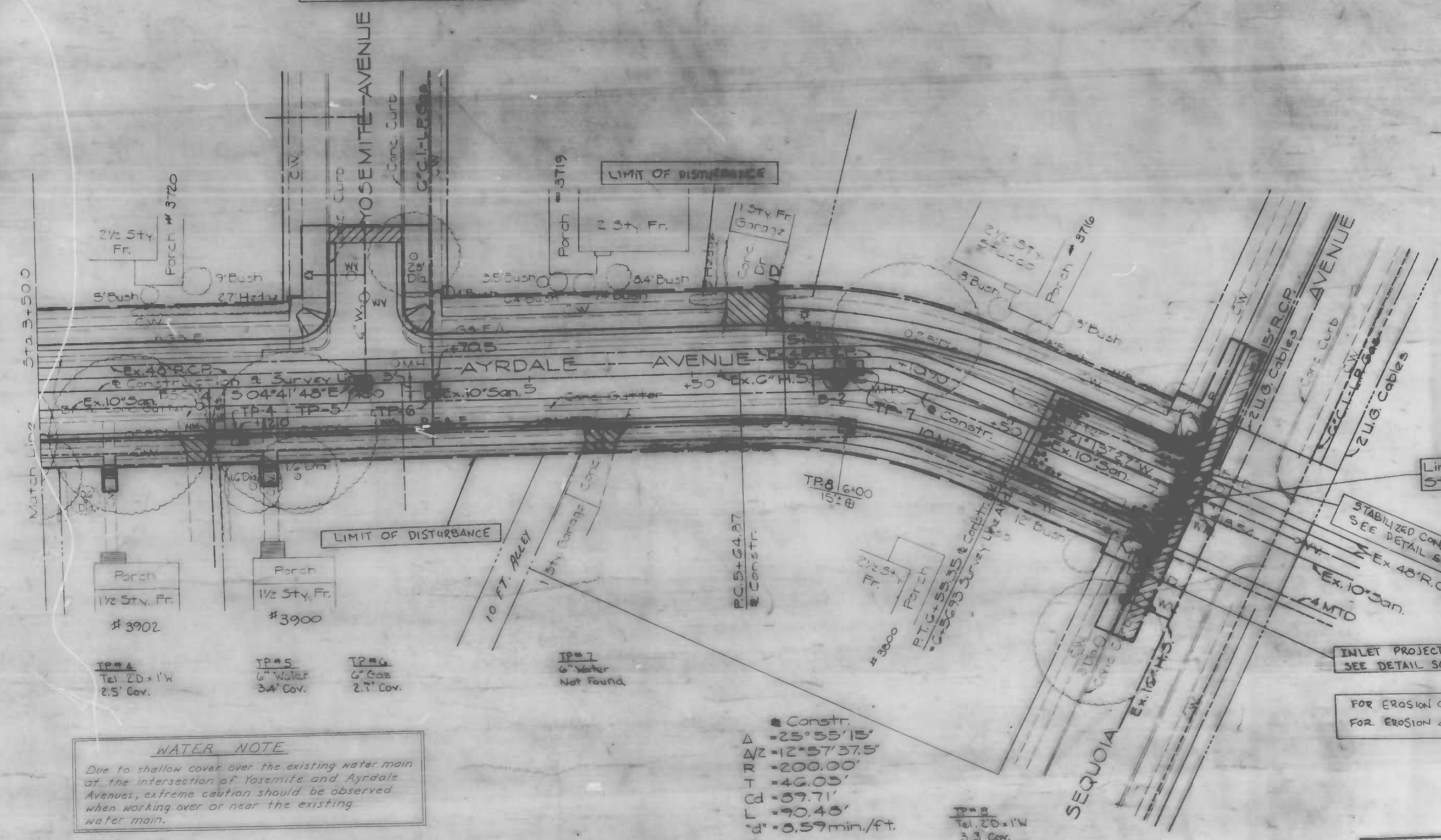
NO.	REVISIONS DESCRIPTION	DATE	BY



CONTRACTOR SHALL NOT USE YOSEMITE AVENUE FOR TRUCKS OR ACCESS TO THE PROJECT.

W17,700  
N12,900

W17,700  
N12,400



NO STAGING AREA OR STOCKPILING OF MATERIAL WILL BE PERMITTED ON THIS PROJECT.

Limit of Work Sta. 7+13

STABILIZED CONSTR. ENTR. SEE DETAIL SC-4

INLET PROJECTION SEE DETAIL SC-1

FOR EROSION CONTROL DETAILS, SEE SHEET 10  
FOR EROSION CONTROL GENERAL NOTES, SEE SHEET 11

**WATER NOTE**  
Due to shallow cover over the existing water main at the intersection of Yosemite and Ayrdale Avenues, extreme caution should be observed when working over or near the existing water main.

• Constr.  
Δ = 25° 55' 15"  
Δ/2 = 12° 57' 37.5"  
TR = 200.00'  
TC = 46.05'  
LC = 87.71'  
L = 90.45'  
d = 0.59 min./ft.

IP#2  
Tel. 20x1W  
3.3 Cov.

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF HIGHWAYS  
CONTRACT NO. 3061

AYRDALE AVENUE  
BELLE AVENUE - SEQUOIA AVENUE  
STA. 3+500 TO SEQUOIA AVE.  
SOIL EROSION / SEDIMENT CONTROL PLAN

SCALE 1" = 20'  
DATE  
HIGHWAY ENGINEERING DIVISION SHEET 9 OF 11

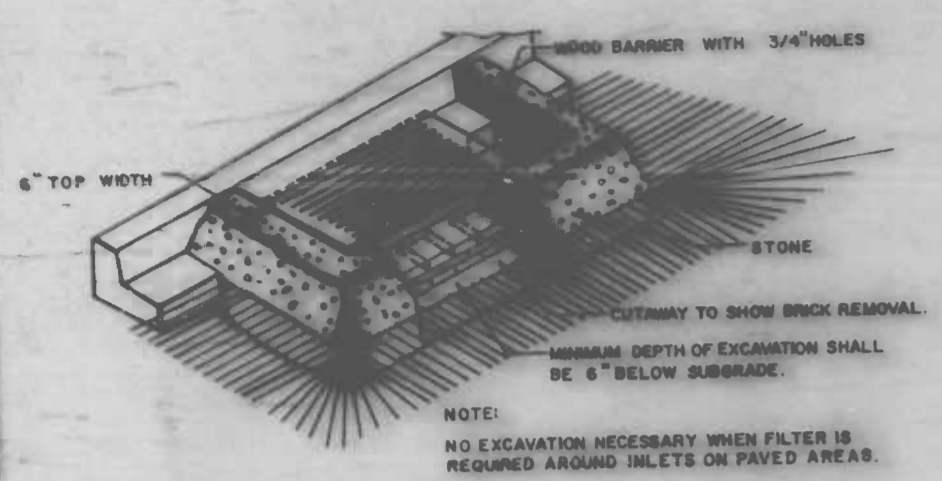
DRAWN BY R.V. Brocato  
EXAMINED BY J.A. Cizslak

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY

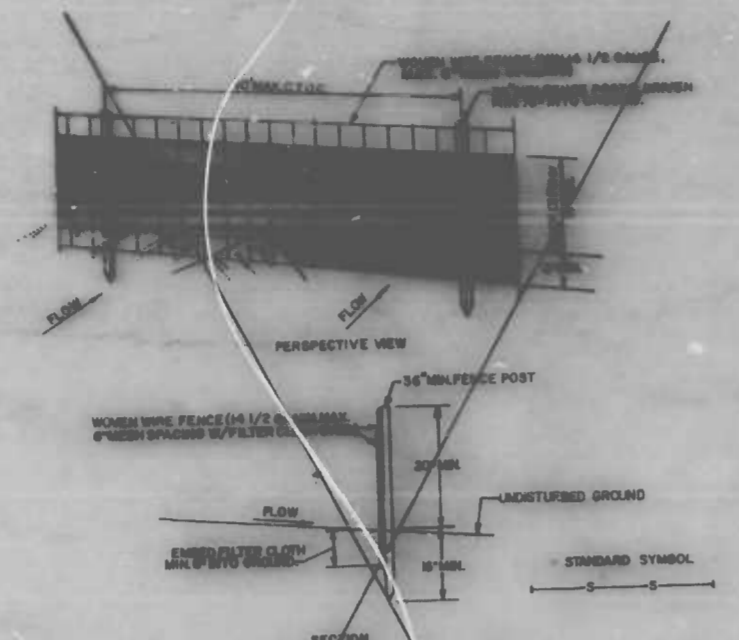
**LEGEND**

- LIMITS OF DISTURBANCE
- INLET PROTECTION (SC-1 OR SC-2 AS NOTED)
- SILT FENCE (SC-3) N.I.C.
- STABILIZED CONSTRUCTION ENTRANCE (SC-4)
- STONE OUTLET STRUCTURE (SC-5) N.I.C.
- EARTH/STONE DIKE (SC-6 OR SC-7 AS NOTED) N.I.C.



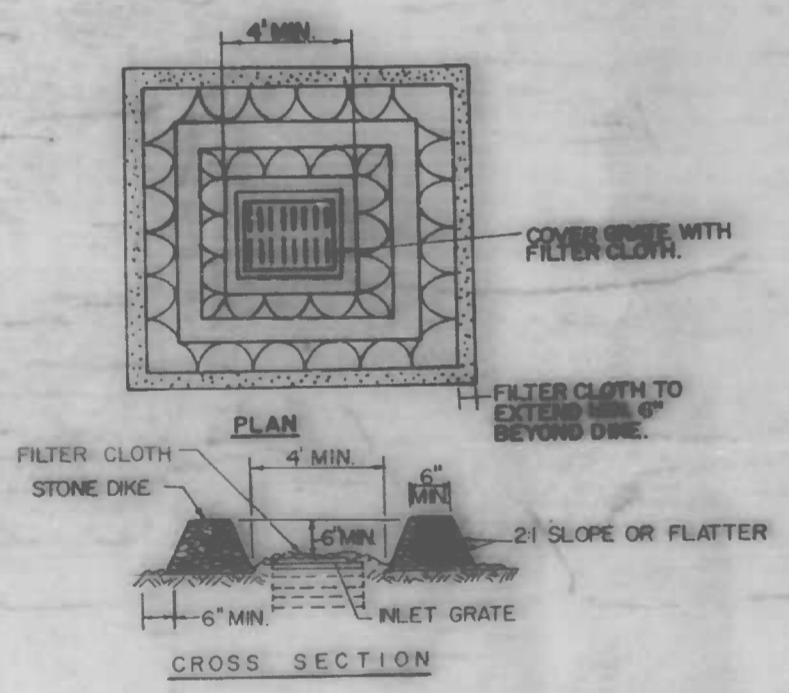
- CONSTRUCTION SPECIFICATIONS**
- Structure shall be inspected after each storm and repairs made as needed.
  - Construction Operations shall be carried out in such a manner that erosion and water pollution is minimized.
  - The structure shall be removed when drainage area has been properly stabilized.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

**INLET PROTECTION  
DETAIL SC-1**



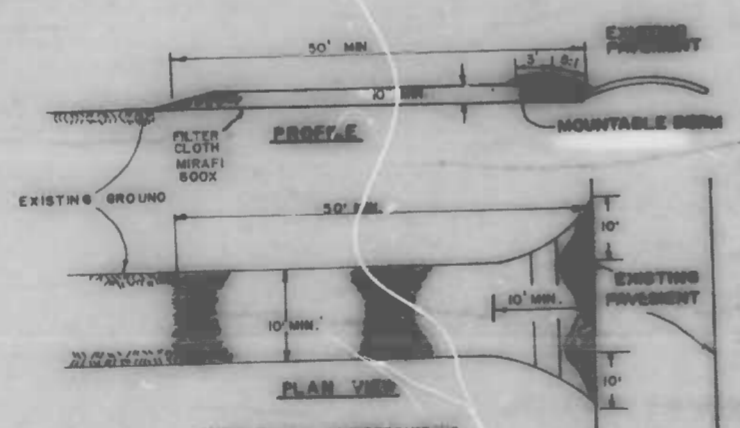
- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- Woven Wire Fence to be fastened securely to fence posts with wire ties or staples.
  - Filter Cloth to be fastened securely to Woven Wire Fence with ties spaced every 24" at top and mid section.
  - When two sections of Filter Cloth adjoin each other 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 2" or U Type or 2" Hardwood  
**FENCE:** Woven Wire, 3/8 Ga. 6" Max Mesh opening  
**FILTER CLOTH:** Aqualon, stabilinks, TILON or approved equal  
**PREFABRICATED UNIT:** GEOPAR, SUPERFENCE, or equal

**SILT FENCE  
DETAIL SC-3**



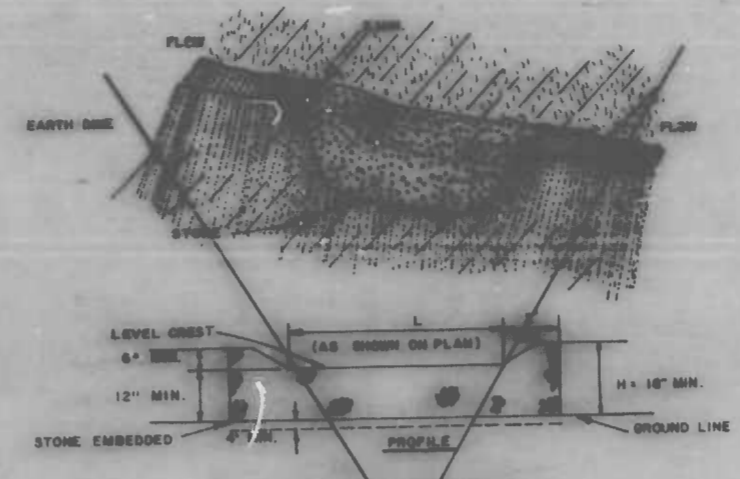
- CONSTRUCTION SPECIFICATIONS**
- Stone for the dike shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSHA size no. 2 or AASHTO Designation M3 size no. 2 or 24. Crusher run is not acceptable.
  - Filter cloth shall be Poly-Filter 2 or approved equal.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

**INLET PROTECTION  
DETAIL SC-2**



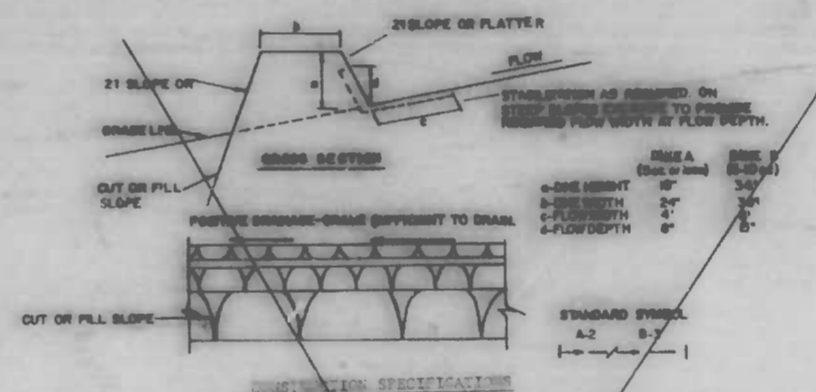
- CONSTRUCTION SPECIFICATIONS**
- Stone size - Use 2" stone, or recycled or recycled concrete equivalent.
  - Length - as required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
  - Thickness - not less than ten (10) inches.
  - Width - ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
  - Filter Cloth - 24" x 36" to be placed over the entire area prior to placing of stone. Filter will not be required on a stone family residence lot.
  - Surface Water - All surface water flowing or diverted toward construction entrances shall be stored across the entrance. If stored in constructed entrance a ventable berm with 2:1 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 cleanup of any measures used to trap sediment. All sediment spilled, tracked, 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 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**



- CONSTRUCTION SPECIFICATIONS**
- 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 dikes 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 soil 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 an outlet.
  - Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
  - Height 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 matting. If not in seeding season, (b) straw mulch as per the above notes. Stone Dike need not be stabilized.

**FLOW CHANNEL SPECIFICATIONS**

TYPE OF TREATMENT	CHANNEL WIDTH	DIKE A	DIKE B
1	0.5-3.00	Seed and Straw Mulch	Seed and Straw Mulch
2	3.00-5.00	Seed and Straw Mulch	Seed using Pico, or Recycled Soil or Stone
3	5.00-10.00	Seed with Jute, or Seed 2" Stone	Straw Rip-Rap 4-6"
4	10.00-20.00	Straw Rip-Rap 4-6"	Engineering Dikes

- 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.
- Straw to be 1/2 inches in a layer at least 2 inches thickness and pressed into the soil.
- Approved alternatives 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**

**STORMWATER STAGING AREA**  
 Contractor must submit to the Baltimore City Sediment Control Section designated locations for related stormwater and/or Contractor's staging operations prior to any construction operation.

**Contractor's Certification**  
 "I hereby certify that any clearing, grading, construction and/or development will be done pursuant to this plan and that any 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."

Signature: *James A. Zito*      Name: **JAMES A. ZITO**  
 Title: **Contract Developer**      Title: **Print Name**

Address: **104 Municipal Bldg**      Phone: **366-4600**

**Contractor's Certificate**  
 I certify that this plan for erosion and sediment control represents a practical, workable plan based on personal knowledge of specific conditions and that I have prepared in accordance with the requirements of the Baltimore City Erosion and Sediment Control Section.

Signature: \_\_\_\_\_      Name: \_\_\_\_\_  
 Title: \_\_\_\_\_      Title: \_\_\_\_\_

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3061

**AYRDALE AVENUE  
 BELLE AVENUE-SEQUOIA AVENUE  
 SOIL EROSION / SEDIMENT CONTROL DETAILS**

SCALE: NO SCALE      DATE: \_\_\_\_\_  
 HIGHWAY ENGINEERING DIVISION      SHEET 10 OF 11

DRAWN BY: A. MOSCATO  
 EXAMINED BY: \_\_\_\_\_  
 SHEET 10 OF 11

**CITY OF BALTIMORE**  
**DEPARTMENT OF PUBLIC WORKS**  
**BUREAU OF HIGHWAYS**  
 GRADING, CURBING, PAVING, DRAINAGE, AND UTILITY ADJUSTMENTS  
**AYRDALE AVENUE**  
 BELLE AVENUE TO SEQUOIA AVENUE

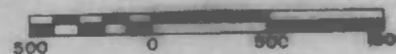


CITY OF BALTIMORE BUREAU OF HIGHWAYS CONTRACT NO. 3061

INDEX OF SHEETS	
NO.	DESCRIPTION
1	TITLE SHEET
2	DETAIL SECTIONS
3	PLAN: BELLE AVE TO STA. 3+50.0
4	PLAN: STA. 3+50.0 TO SEQUOIA AVE.
5	PROFILE: STA. 1+0 TO STA. 7+0
6	UTILITY PLAN: BELLE AVE TO STA. 3+50.0
7	UTILITY PLAN: STA. 3+50.0 TO SEQUOIA AVE.
8	SOIL EROSION / SEDIMENT CONTROL PLAN
9	SOIL EROSION / SEDIMENT CONTROL PLAN
10	SOIL EROSION / SEDIMENT CONTROL DETAIL
11	SOIL EROSION / SEDIMENT CONTROL NOTES



LOCATION PLAN  
Scale: 1"=500'



FIELD BOOK		
NO.	TITLE	DESCRIPTION
L-158	AYRDALE AVENUE	LOCATIONS & CROSS SECTIONS

DEPARTMENT OF PUBLIC WORKS

BUREAU OF HIGHWAYS  
 APPROVED: *Robert D. ...*  
 CHIEF, HIGHWAY ENGINEERING DIVISION  
 APPROVED: *Frederick ...*  
 CHIEF, ENVIRONMENTAL SERVICES DIVISION

OFFICE OF TRANSPORTATION  
 APPROVED: *...*  
 DIRECTOR OF OFFICE OF TRANSPORTATION

APPROVED  
*...*  
 DIRECTOR OF PUBLIC WORKS  
 APPROVED  
*...*  
 HEAD, BUREAU OF HIGHWAYS

# OF # REVIEW	R/W RELEASE	GRADE ESTD	HIGHWAY DESIGN	STRUCTURAL	DRAINAGE	LIGHTING	CONDUIT	SEWER/STORM AND EROSION CONTROL	OFFICE OF TRANSPORTATION	WASTE WATER ENGINEERING	WATER ENGINEERING
BY	3/27/66	R. ...	...	...	...	...	...	...	...	...	...
DATE	3/27/66	3/26/66	3/26/66		3/27/66	4-7-66	7-66	...	...	...	...

CONT. 3061



REVISIONS		
NO.	DESCRIPTION	DATE BY

**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 packed 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 35 pounds per 1000 square feet.

**Seeding (Section 20.28-1):** Seed mixtures, 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.

**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.

**Sodbed 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-filled 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.

**NOTE:** After sod is in place, topdress the sod with Ureaform fertilizer 38-0-0 at the rate of 5 pounds per 1000 sq. ft.

**Lime:** Limed at the rate of 100 pounds of ground limestones 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

**BALTIMORE CITY SEDIMENT CONTROL**

Title 8, Subtitle 11, Natural Resources, Annotated Code of Maryland and Baltimore City Ordinance 1085, require that provisions to control erosion and sediment shall be included for all City land disturbances. As required by State Law, construction cannot be started until such erosion and sediment control provisions are approved.

The Contractor must file 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 NOTE**

- All utilities to be constructed first, prior to any construction on the site.
- No pumping from foundation excavations will be allowed directly into City system unless it is filtered by way of Sediment Traps or Filters.
- 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.
- 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**
- All disturbed areas shall be protected to control erosion and to prevent sedimentation of adjacent properties, storm sewers and/or streams.
  - 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.
  - 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.
  - No fill will be placed on any existing slope steeper than 5:1 without erosion and sediment controls.
  - There will be no final graded slope steeper than 2:1.
  - Borrow and/or spoil material shall not be stockpiled within the limits of this project.
  - All fills will be free of any organic or other deleterious material and will be compacted. All areas to receive fill will have the ground surface prepared by removing all existing vegetation and root mat.
  - 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.
  - All points of ingress and egress shall be protected to prevent tracking of mud onto public ways.
- B. Stabilization**
- As soon as final grading is completed, all disturbed areas will be stabilized with temporary or permanent mulch, including stone, blocktop, conc. surfacing, etc.
  - 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.
  - Timing - Following initial solid disturbances or redistribution, permanent or temporary stabilization shall be completed within:
    - Seven calendar days for the surface of all perimeter ditches, swales, ditches, perimeter slopes, and all slopes greater than three horizontal to one vertical (3:1) and;
    - 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;
    - Fourteen calendar days for all other disturbed or graded areas.
  - 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.
  - Sediment control devices are to be removed only after all disturbed areas have been stabilized.

**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.

Signature: James A. Zito Date: 4-7-86  
 Print Name: JAMES A ZITO  
 Address: 204 Municipal Bldg Phone: 596-4600

**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.

Signature: Bob Gustafson Date: 4/18/86  
 Print Name: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_

**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:
- The day he intends to start work
  - The source of all borrow material
  - The designated stockpile area
  - The Contractor's staging area
  - The disposal site for all excess material
  - The construction sequence
  - The completion day of the work

NO STAGING AREA OR STOCKPILING OF MATERIALS WILL BE PERMITTED ON THIS PROJECT.

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

Note: Quantities listed herein are to be used only to assist in developing the soil erosion/sediment control plans. There is no guarantee that these quantities are complete and the contractor should not rely on the accuracy of these figures in preparing and submitting his bid.

STABILIZATION SCHEDULE				
DESIGNATED AREA	ACTIVE	INACTIVE	TYPE OF STABILIZATION	SEQUENCE #
PROPOSED PAVING	X		CR-G SUB-BASE	# 5
STRIP & RESURF		X	BITUMINOUS CONCRETE	# 6 + 7
CONC WALK	X		TEMPORARY STABILIZATION CEMENT CONC SIDEWALK	# 6
CUT SLOPE		X	PERMANENT STAB - SOD	# 7
FILL SLOPE		X	TEMP STAB ANNUAL RYEGRASS	# 5
REMOVE PAV & SOD		X	PERMANENT STAB - SOD	# 7
ALLEYS & DRAWS	X		TEMP STAB ANNUAL RYEGRASS	# 5
		X	CR-G SUB-BASE	# 5
		X	7" PLAIN CEMENT CONCRETE	# 6

TOTAL DISTURBED AREA: 32,923 SF  
 TOTAL CUT: 1132.0 CY  
 TOTAL FILL: 27.0 CY  
 TOTAL EXCESS MATERIAL: 1105.0 C.Y.

DRAWN BY  
 EXAMINED BY

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO. 3061

LYRDALE AVENUE  
 BELLE AVENUE-SEQUOIA AVENUE

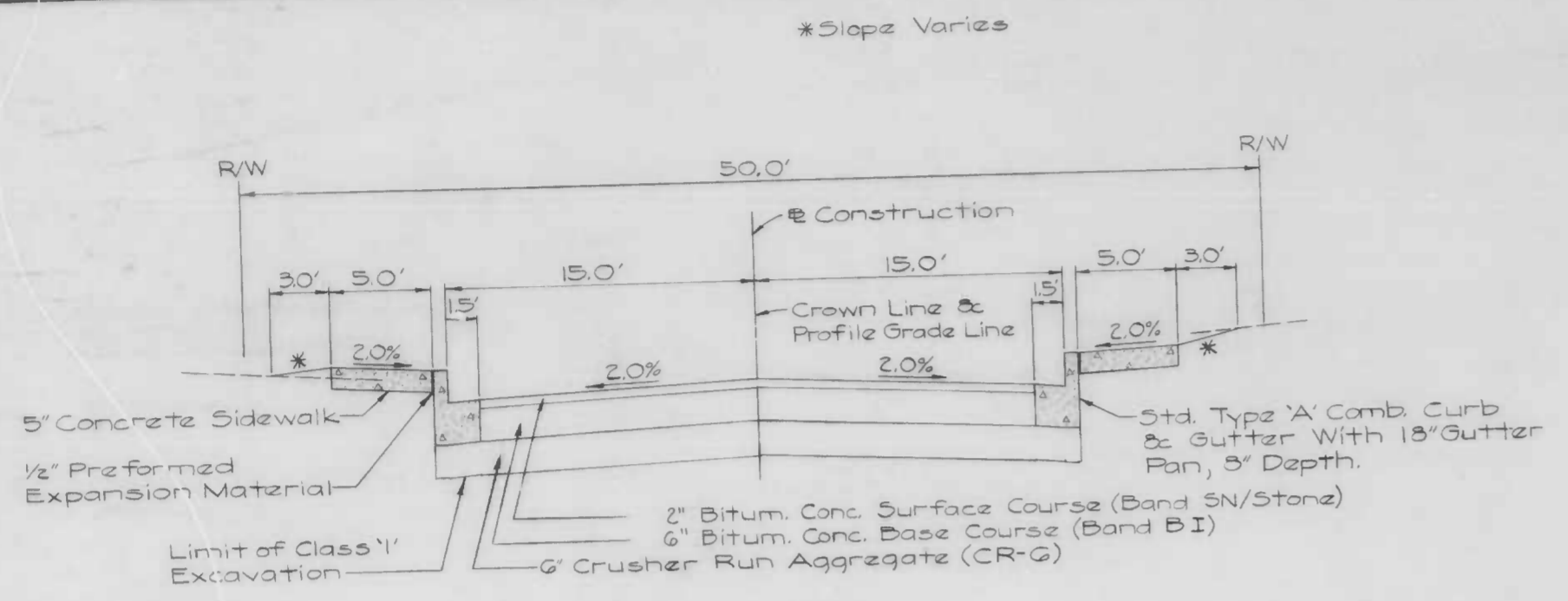
SOIL EROSION / SEDIMENT CONTROL NOTES

SCALE NONE DATE SEPT 27, 1985  
 HIGHWAY ENGINEERING DIVISION SHEET 11 OF 11

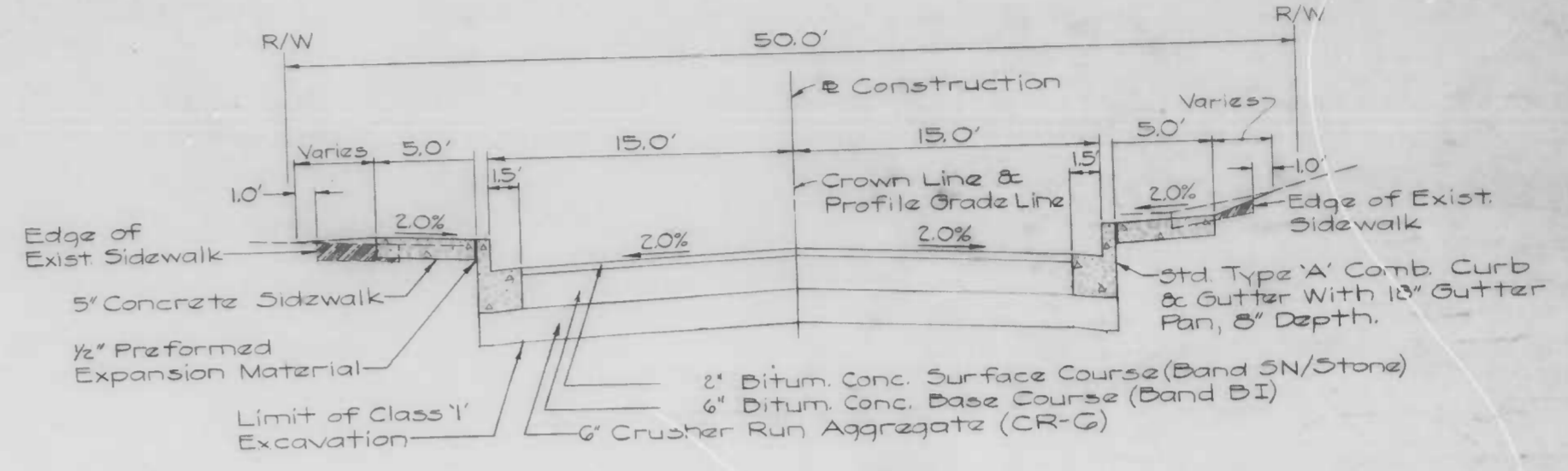
FILE REF.

FILE REF.

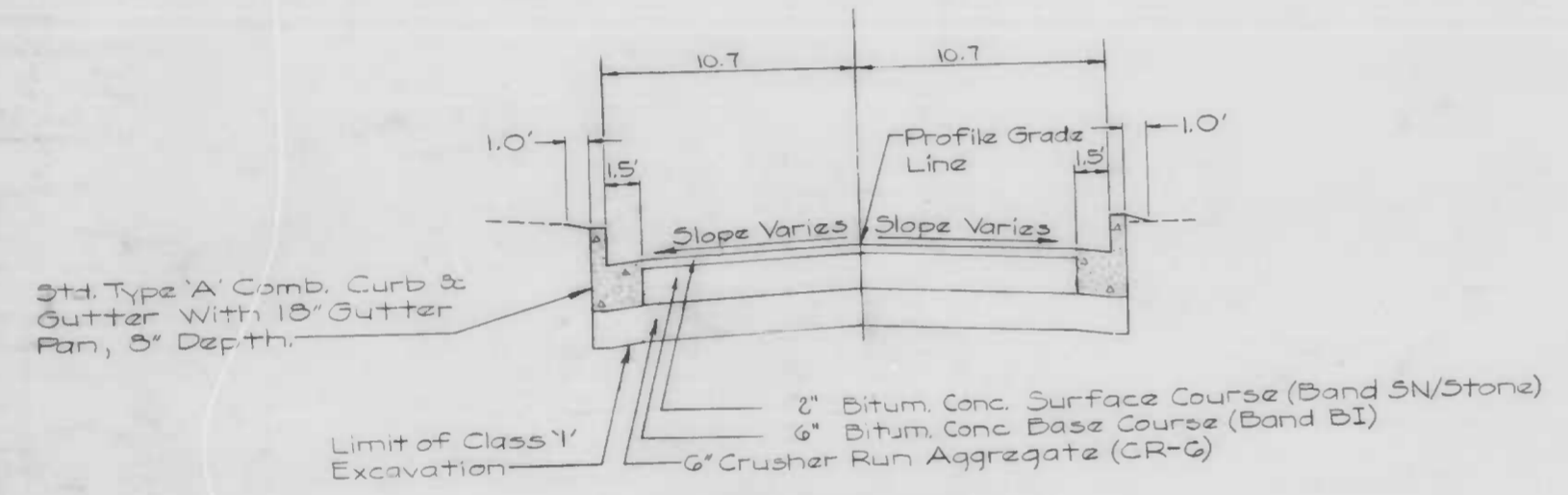
REVISIONS			
NO.	DESCRIPTION	DATE	BY



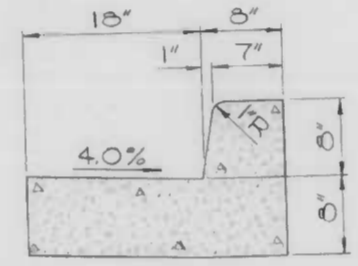
**DETAIL SECTION**  
Sta. 1+ ~ Sta. 3+



**DETAIL SECTION**  
Sta. 3+ ~ Sta. 6+75



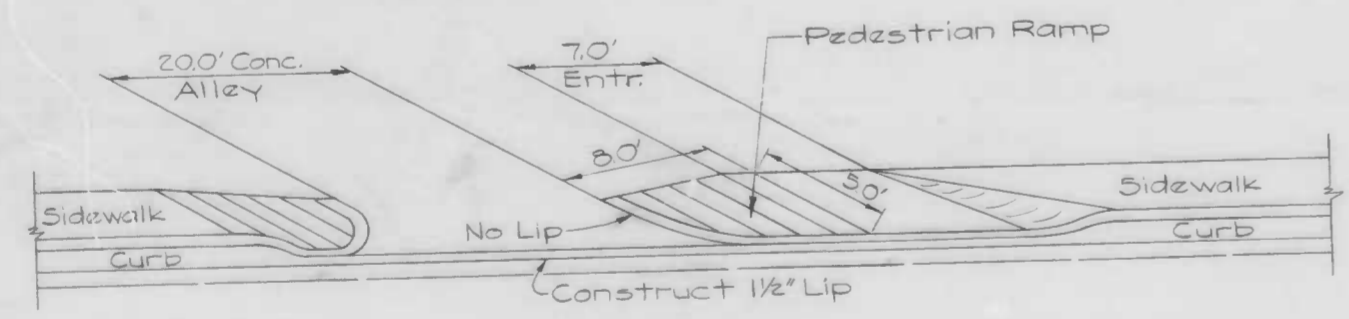
**DETAIL SECTION**  
YOSEMITE AVE.



**STANDARD TYPE 'A' COMBINATION CURB & GUTTER**

**SYMBOLS**

- Approx. Limit of Proposed Concrete Walk (5' Depth)
- Area to be stripped to the existing conc. base and resurfaced with a variable depth bitum. conc. binder course (Band BI) and 1/2" bitum. conc. surf. course (Band SN)
- Proposed 7" Concrete Driveway on 6" CR-G Sub-base.
- Approx. Limit of Proposed Cut-Slope Cover With 2" of Topsoil and Sod.
- Approx. Limit of Proposed Fill-Slope Cover With 2" of Topsoil and Sod.
- Area of Exist. Conc. Walk To Be Removed Backfill, Cover With 2" Topsoil and Sod.
- Proposed Pedestrian Ramp Std. BC-G55.21
- Proposed Pedestrian Ramp at Concrete Alley Std. BC-G55.24



**DETAIL 'A'**

DRAWN BY R.V. Brocato  
 EXAMINED BY J.A. Cieslak

CITY OF BALTIMORE  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF HIGHWAYS  
 CONTRACT NO 3061

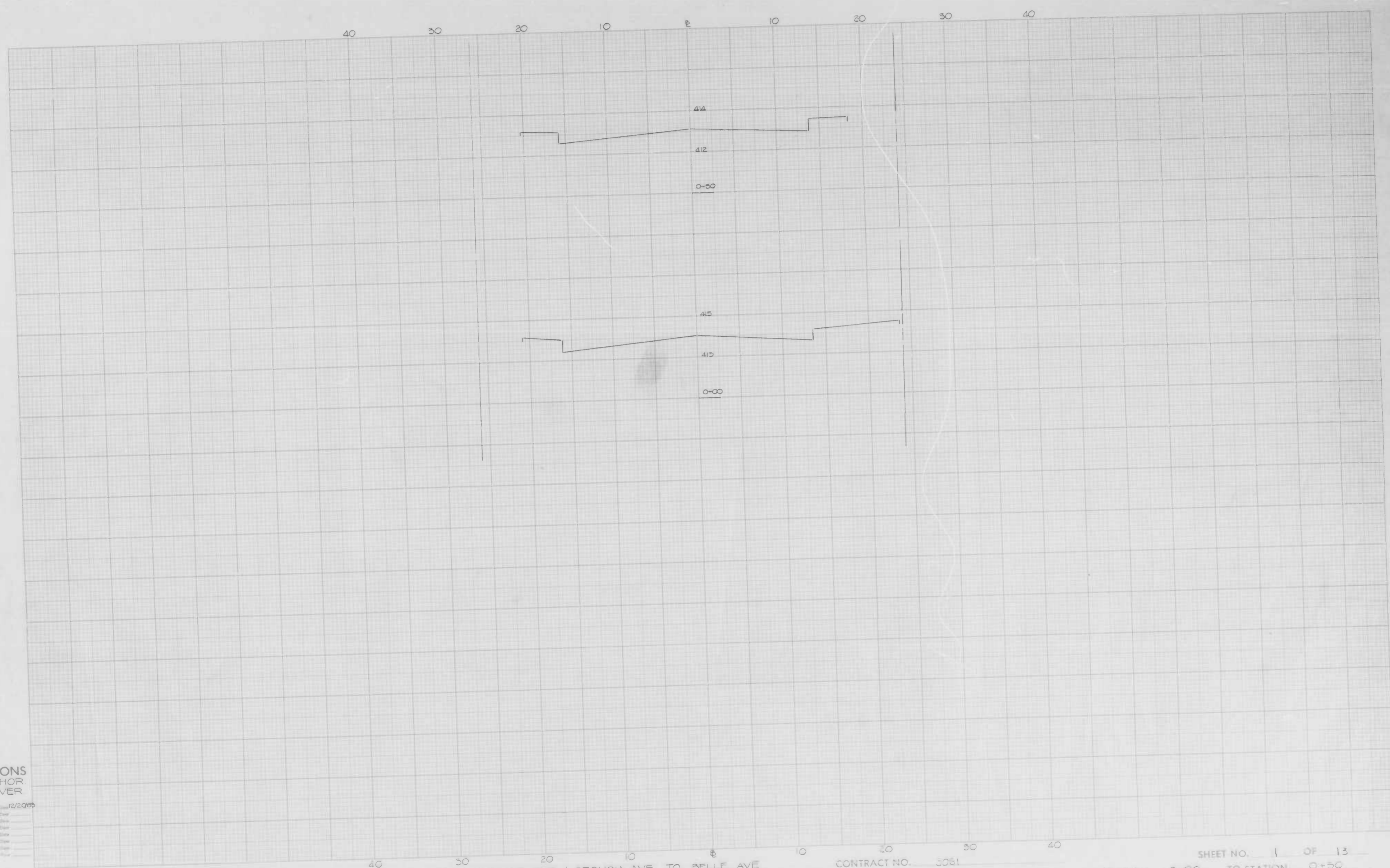
AYRDALE AVENUE  
 BELLE AVENUE ~ SEQUOIA AVENUE  
 DETAIL SECTIONS  
 & DETAILS

SCALE NO SCALE DATE  
 HIGHWAY ENGINEERING DIVISION SHEET 2 OF 11

FILE REF.

6313





**CROSS SECTIONS**  
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 2" VER.

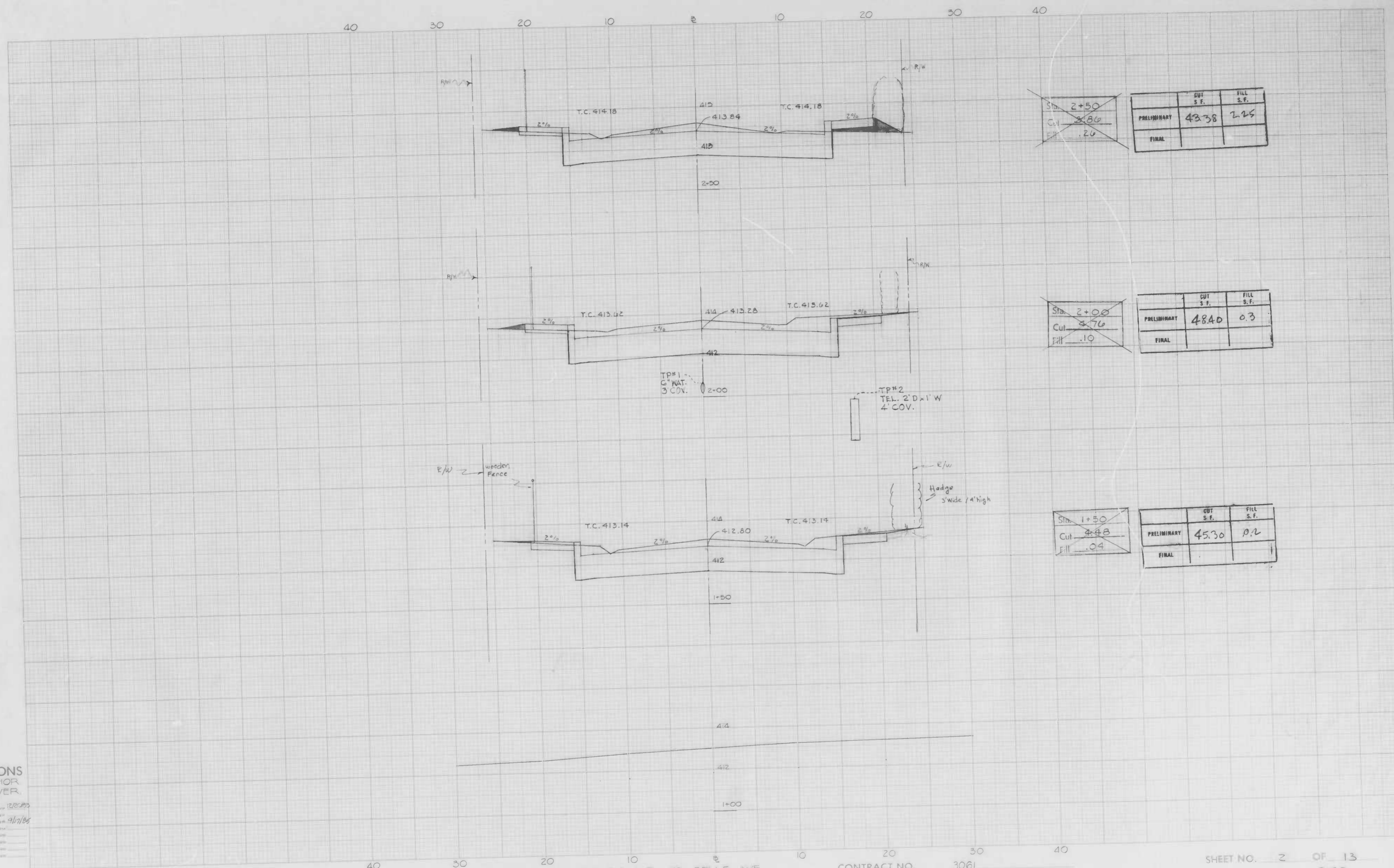
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 Original Checked by: Date:  
 Revised by: Date:  
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 Rechecked by: Date:  
 Approved by: Date:

BOOK NO. L-1158

PROJECT AYRDALE AVE / SEQUOIA AVE TO BELLE AVE  
 DESCRIPTION AYRDALE AVE - CROSS SECTIONS

CONTRACT NO. 3061

SHEET NO. 1 OF 13  
 STATION 0+00 TO STATION 0+50



**CROSS SECTIONS**  
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2" = 2' VER.

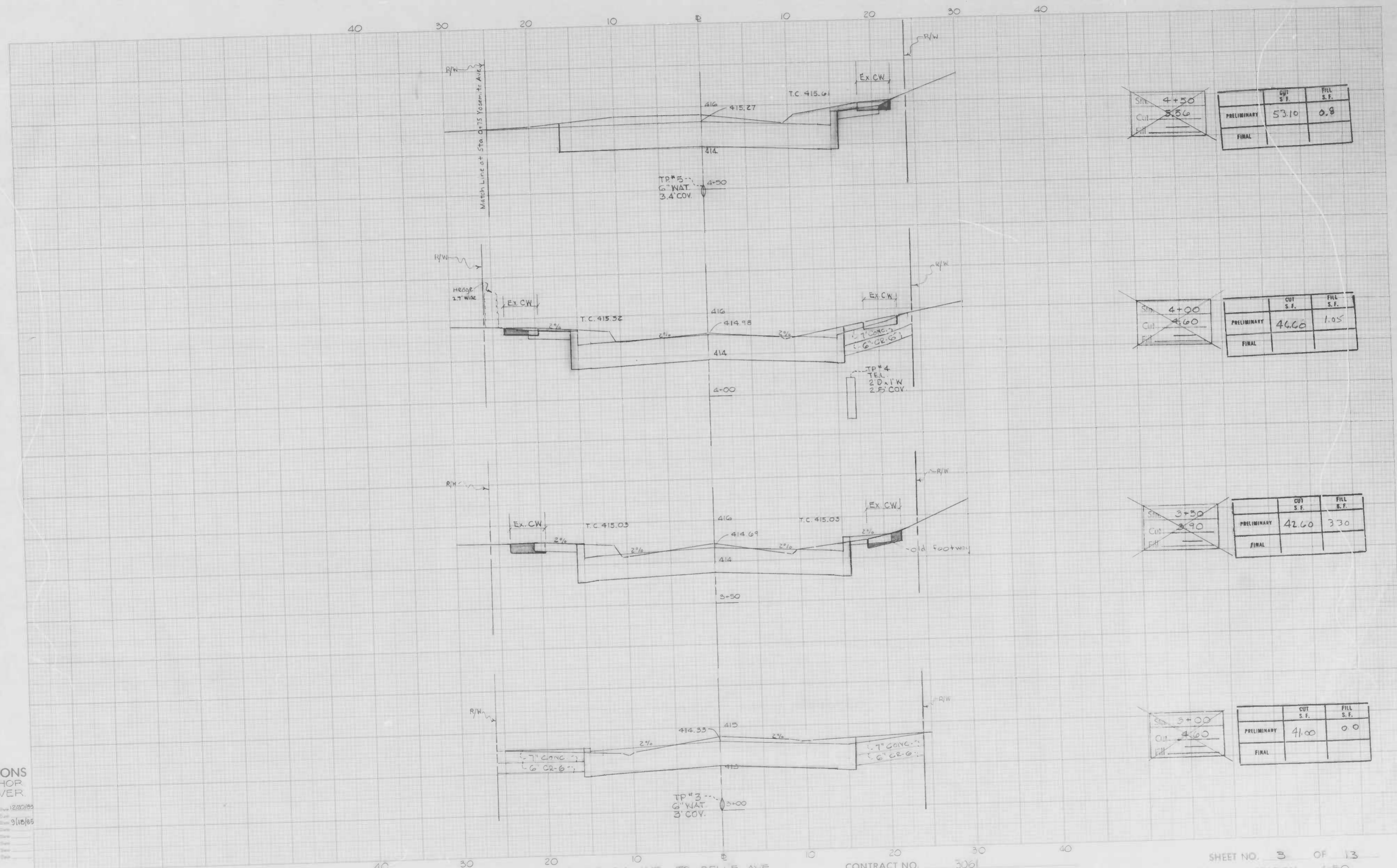
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 Original Stationing 2+00  
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 Prepared by [blank]  
 Checked by [blank]  
 Date [blank]

BOOK NO. L-1158

PROJECT AYRDALE AVE / SEQUOIA AVE TO BELLE AVE  
 DESCRIPTION AYRDALE AVE - CROSS SECTIONS

CONTRACT NO. 3061

SHEET NO. 2 OF 13  
 STATION 1+00 TO STATION 2+50



**CROSS SECTIONS**  
Scale 1 inch = 5' HOR  
2" VER.

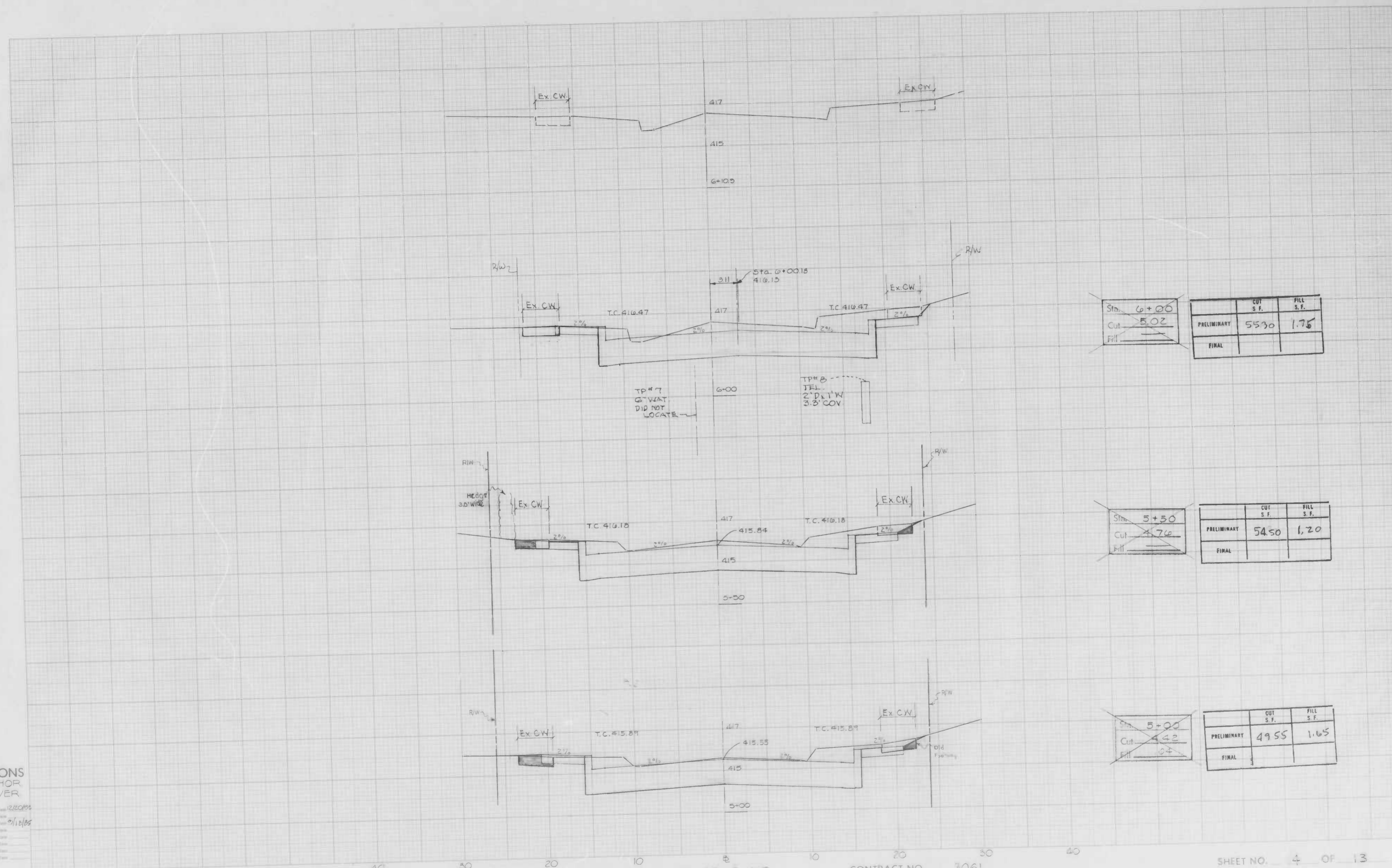
Original Project No. RAK Date 12/20/89  
Original Checked By: [Signature] Date  
Project No. C Date 9/18/85  
Auto By: [Signature] Date  
Project Checked By: [Signature] Date  
Auto By: [Signature] Date  
Asst Checked By: [Signature] Date

BOOK NO. L-1155

PROJECT AYRDALE AVE / SEQUOIA AVE TO BELLE AVE.  
DESCRIPTION AYRDALE AVE - CROSS SECTIONS

CONTRACT NO. 3061

SHEET NO. 3 OF 13  
STATION 3+00 TO STATION 4+50



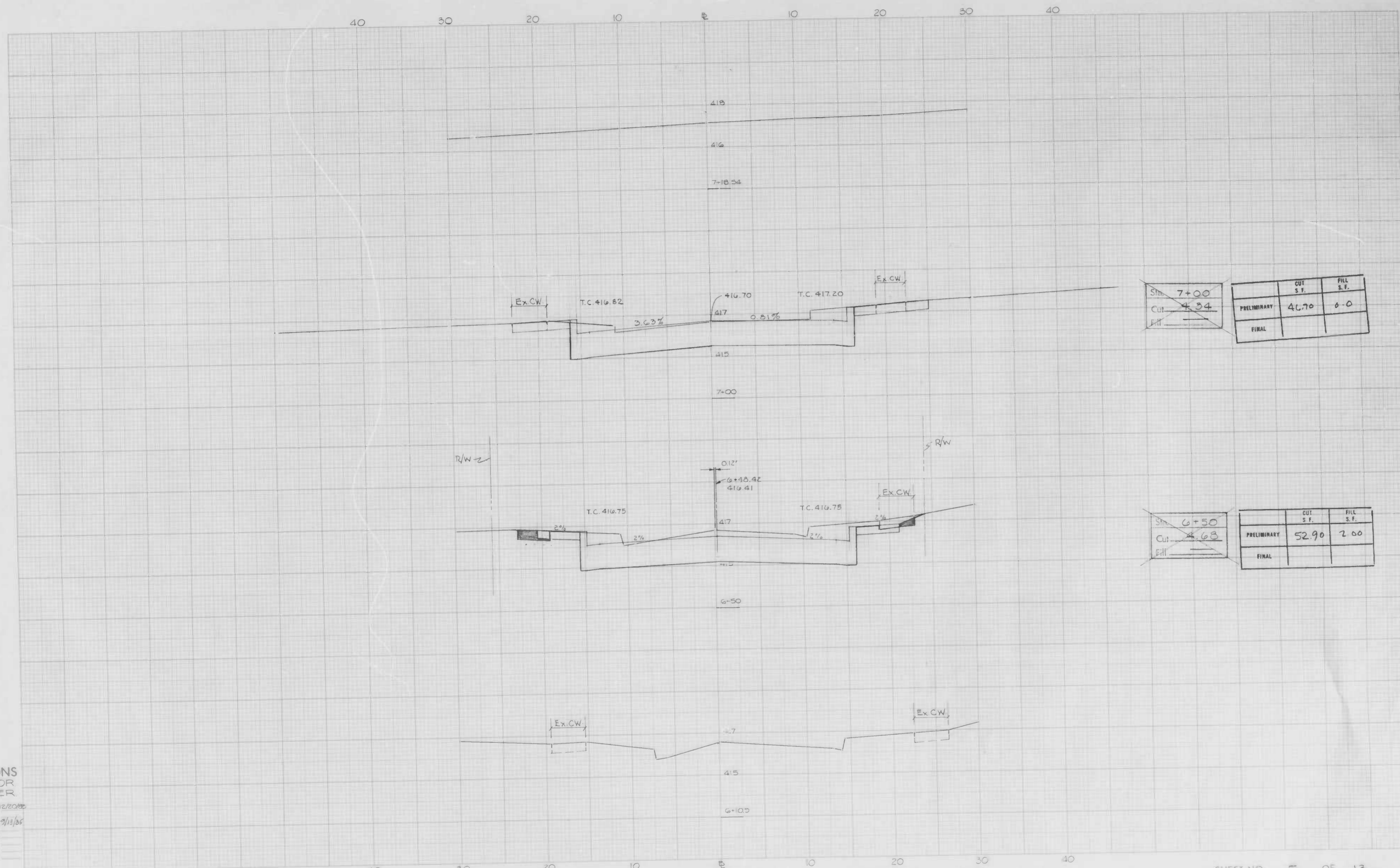
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Scale 1 inch = 5 HOR  
2 VER

Original Stationed by: BAK  
Original Checked by: [Signature]  
Revised by: [Signature]  
Plotted by: [Signature]  
Checked by: [Signature]  
Date: [Date]

BOOK NO. L-1155

PROJECT AYRDALE AVE / SEQUOIA AVE TO BELLE AVE  
DESCRIPTION AYRDALE AVE - CROSS SECTIONS  
CONTRACT NO. 3061

SHEET NO. 4 OF 13  
STATION 5+00 TO STATION 6+50



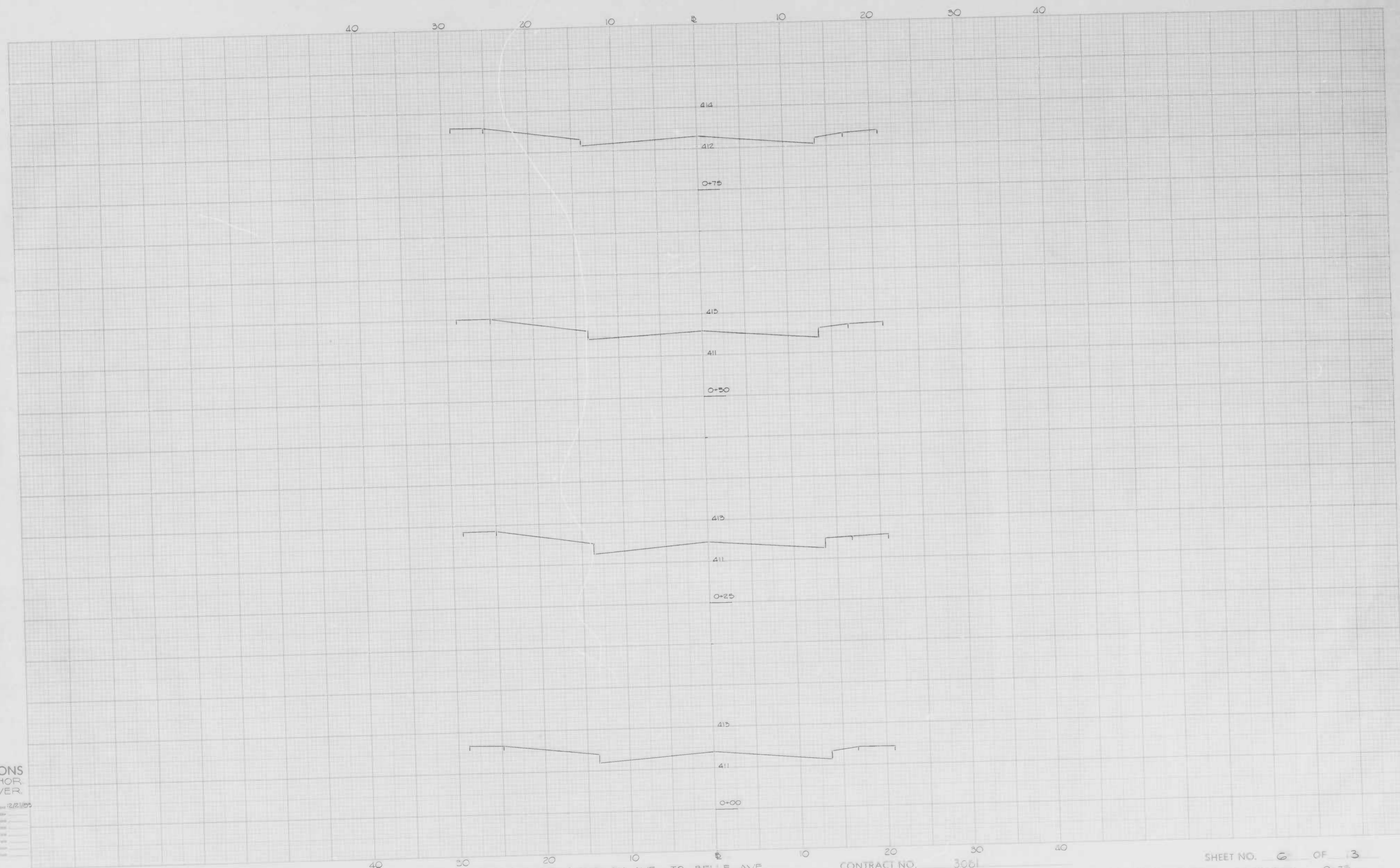
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PRELIMINARY		46.70	0.0
FINAL			

Station	6+50	CUT S.F.	FILL S.F.
PRELIMINARY		52.90	2.00
FINAL			

**CROSS SECTIONS**  
 Scale 1 inch = 5' HOR  
 2" VER

Original Plans by: RAK  
 Original Checked by: [Signature]  
 Transferred to: [Signature]  
 Area by: [Signature]  
 Area Checked by: [Signature]  
 Copy Checked by: [Signature]  
 Area by: [Signature]  
 Area Checked by: [Signature]





CROSS SECTIONS  
Scale: 1" = 5' HOR.  
2" = 1' VER.

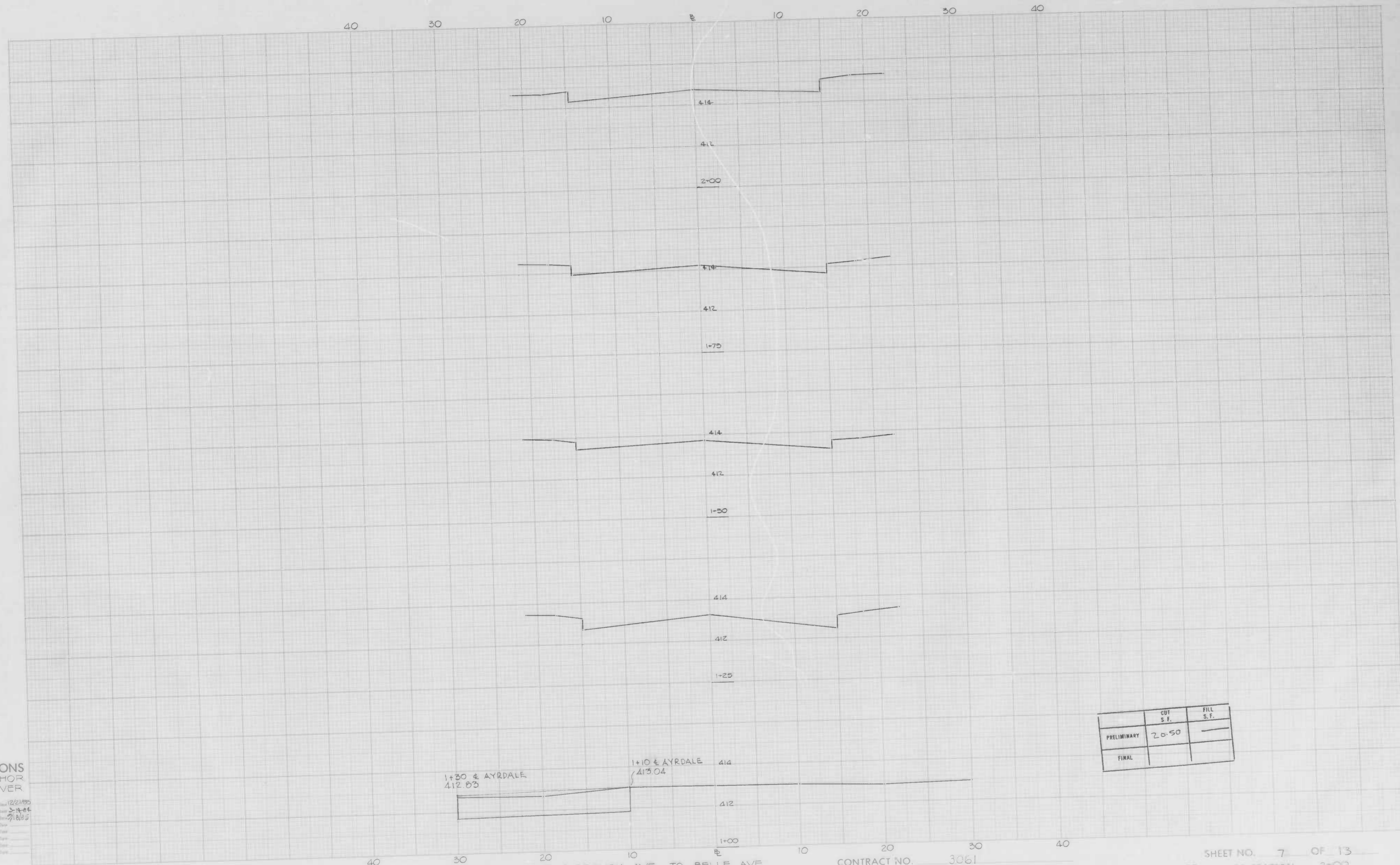
Original Prepared by	RAK	Date	12/2/05
Original Checked by		Date	
Reviewed by		Date	
Drawn by		Date	
Field Notes by		Date	
Field Checked by		Date	
Asst. by		Date	
Asst. Checked by		Date	

BOOK NO. L-1158

PROJECT AYRDALE AVE / SEQUOIA AVE TO BELLE AVE  
DESCRIPTION BELLE AVE - CROSS SECTIONS

CONTRACT NO. 3061

SHEET NO. 6 OF 3  
STATION 0+00 TO STATION 0+75



**CROSS SECTIONS**  
Scale 1 inch = 5' HOR  
2" VER

Original Proposed by: RAK Date: 12/21/95  
 Original Checked by: RVE Date: 5-8-96  
 Drawn by: C Date: 7/8/95  
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 Final Checked by: [ ]  
 Date Checked by: [ ]

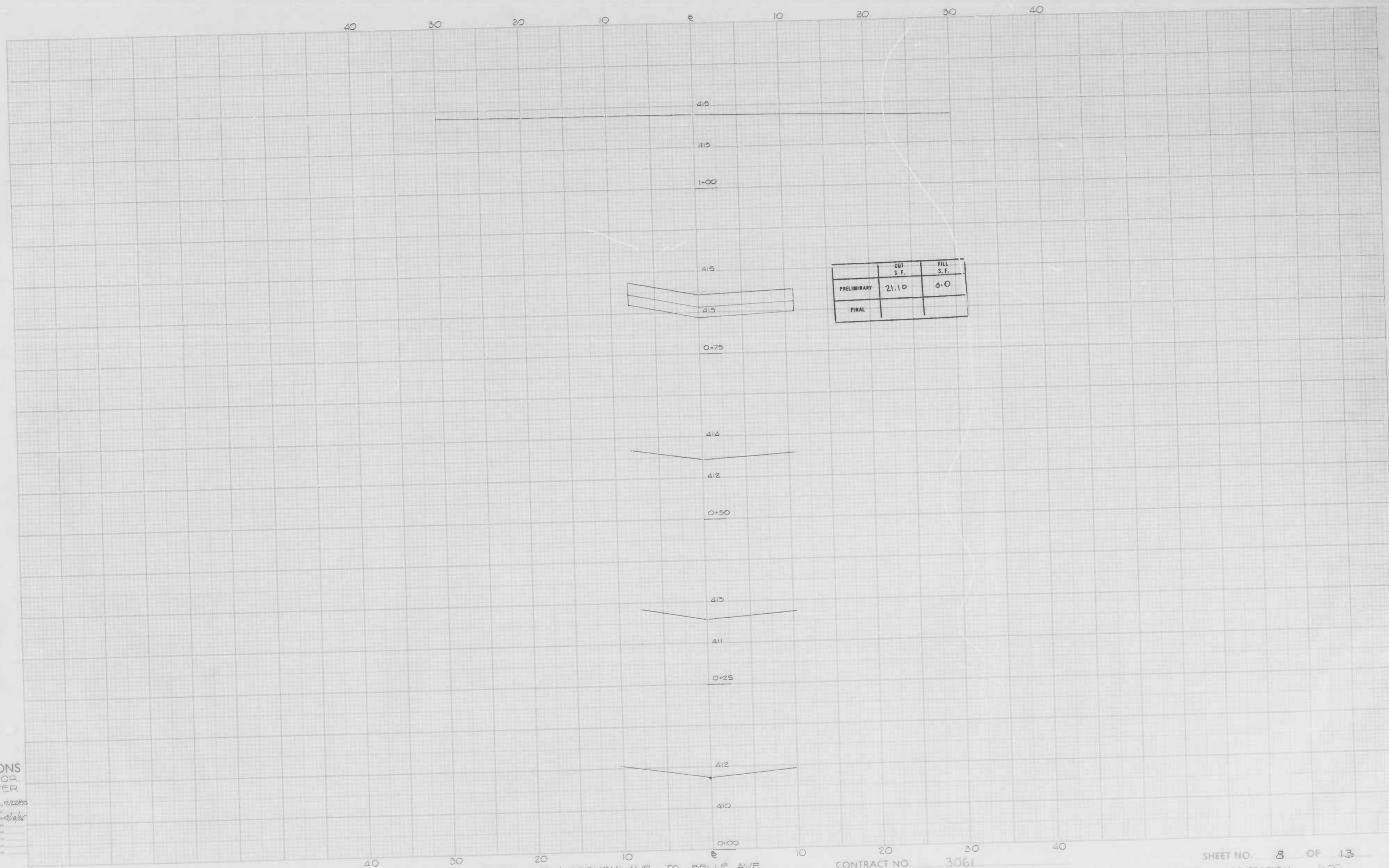
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PRELIMINARY	20.50	
FINAL		

BOOK NO. L-1158

PROJECT AYRDALE AVE / SEQUOIA AVE. TO BELLE AVE  
 DESCRIPTION BELLE AVE - CROSS SECTIONS

CONTRACT NO. 3061

SHEET NO. 7 OF 13  
 STATION 1+00 TO STATION 2+00



**CROSS SECTIONS**  
Scale 1 inch = 5' HOR.  
2" VER.

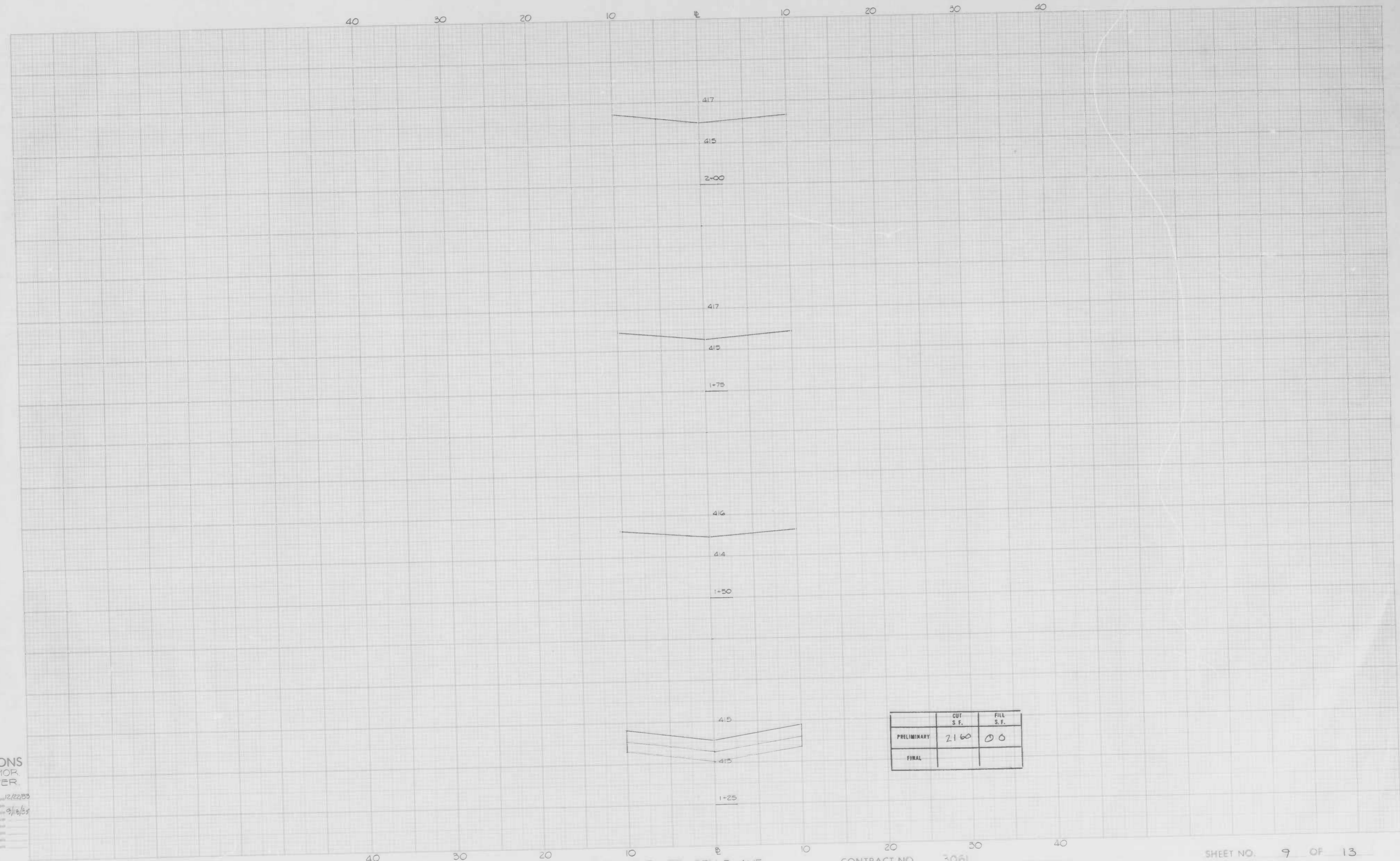
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 Original Checked by: [Signature]  
 Revised by: [Signature]  
 Placed Printed by: [Signature]  
 Placed Checked by: [Signature]  
 Area by: [Signature]  
 Area Checked by: [Signature]

BOOK NO. L-1158

PROJECT AYRDALE AVE / SEQUOIA AVE. TO BELLE AVE.  
 DESCRIPTION CROSS SECTION@ - CONC ALLEY @ @ STA 2+34.45

CONTRACT NO. 3061

SHEET NO. 8 OF 13  
 STATION 0+00 TO STATION 1+00



	CUT S.F.	FILL S.F.
PRELIMINARY	2160	00
FINAL		

**CROSS SECTIONS**  
Scale 1 inch = 5 HOR.  
2" VER.

Original Prepared by: RAK Date: 12/22/85  
 Original Checked by: [Signature] Date: 9/8/85  
 Prepared by: [Signature] Date: [Blank]  
 Final Checked by: [Signature] Date: [Blank]  
 Revises by: [Signature] Date: [Blank]  
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BOOK NO. L-1158

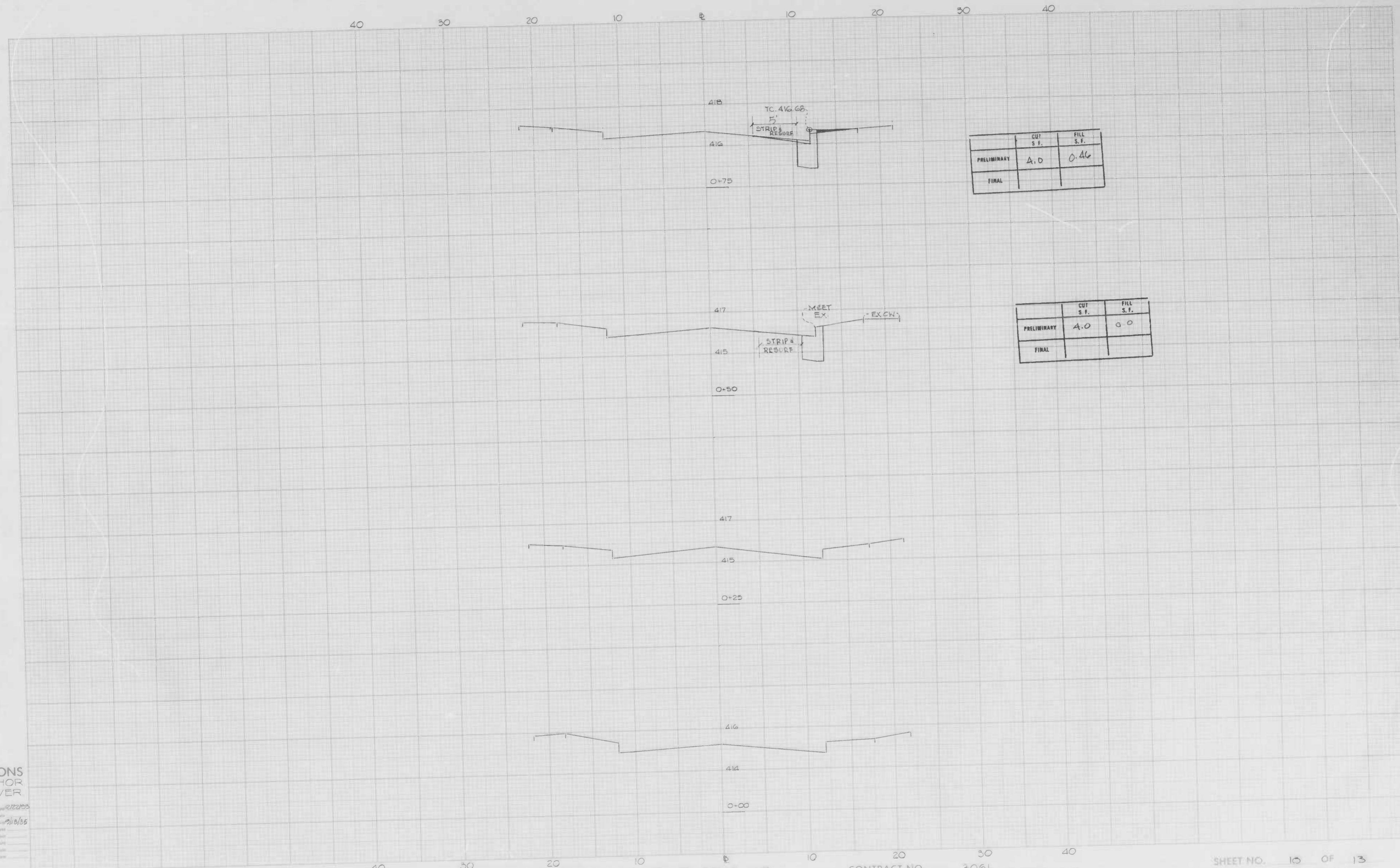
PROJECT AYRDALE AVE / SEQUOIA AVE TO BELLE AVE

CONTRACT NO. 3061

SHEET NO. 9 OF 13

DESCRIPTION CROSS SECTIONS - CONC. ALLEY @ STA 2+35.65

STATION 1+25 TO STATION 2+00



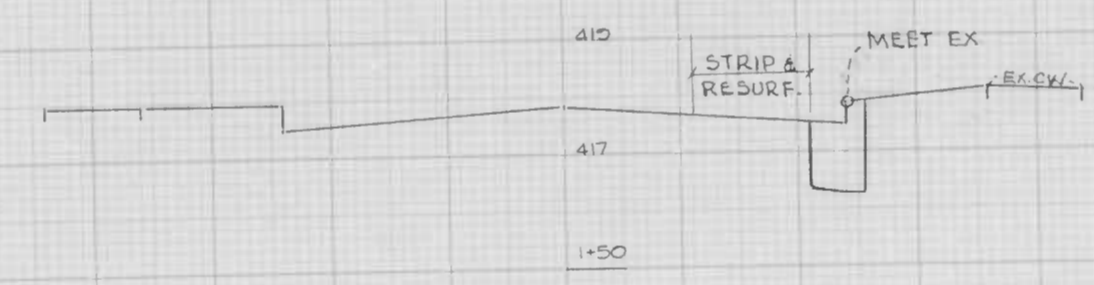
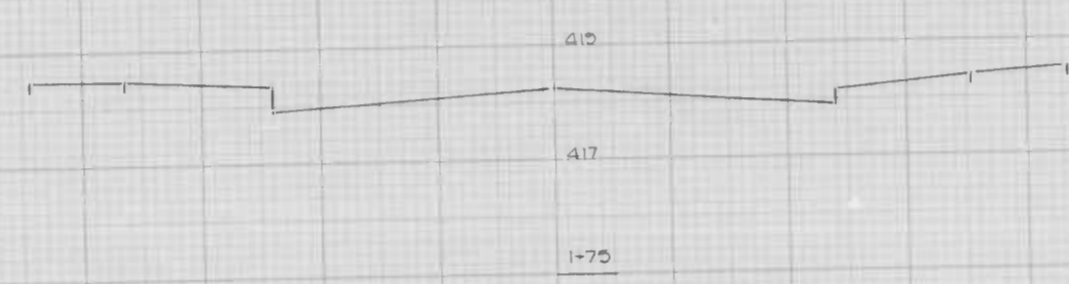
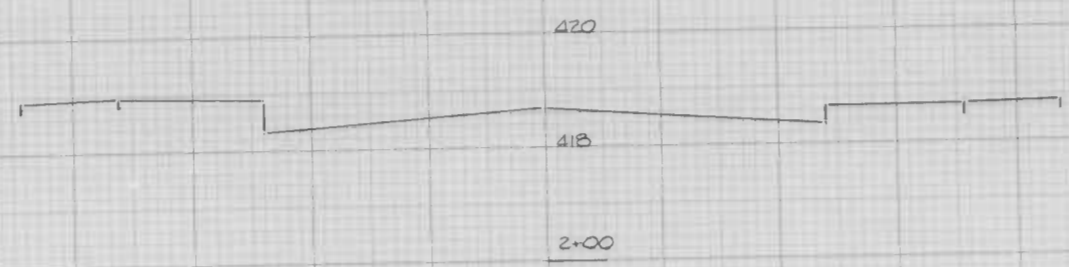
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PRELIMINARY	4.0	0.46
FINAL		

	CUT S.F.	FILL S.F.
PRELIMINARY	4.0	0.0
FINAL		

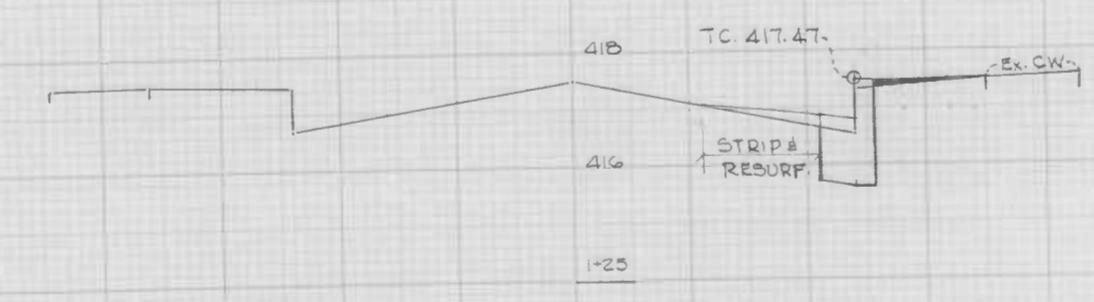
**CROSS SECTIONS**  
Scale 1 inch = 5 HOR  
2 VER

Original Profile by RAK Date 2/2/55  
 Revised Profile by C Date 2/10/55  
 Checked by \_\_\_\_\_ Date \_\_\_\_\_  
 Placed on File by \_\_\_\_\_ Date \_\_\_\_\_  
 Placed in Cabinet by \_\_\_\_\_ Date \_\_\_\_\_  
 Used for \_\_\_\_\_ Date \_\_\_\_\_  
 Used for \_\_\_\_\_ Date \_\_\_\_\_

40 30 20 10 0 10 20 30 40



	CUT S.F.	FILL S.F.
PRELIMINARY	3.0	0.0
FINAL		



	CUT S.F.	FILL S.F.
PRELIMINARY	3.0	0.46
FINAL		



	CUT S.F.	FILL S.F.
PRELIMINARY	14.50	0.0
FINAL		

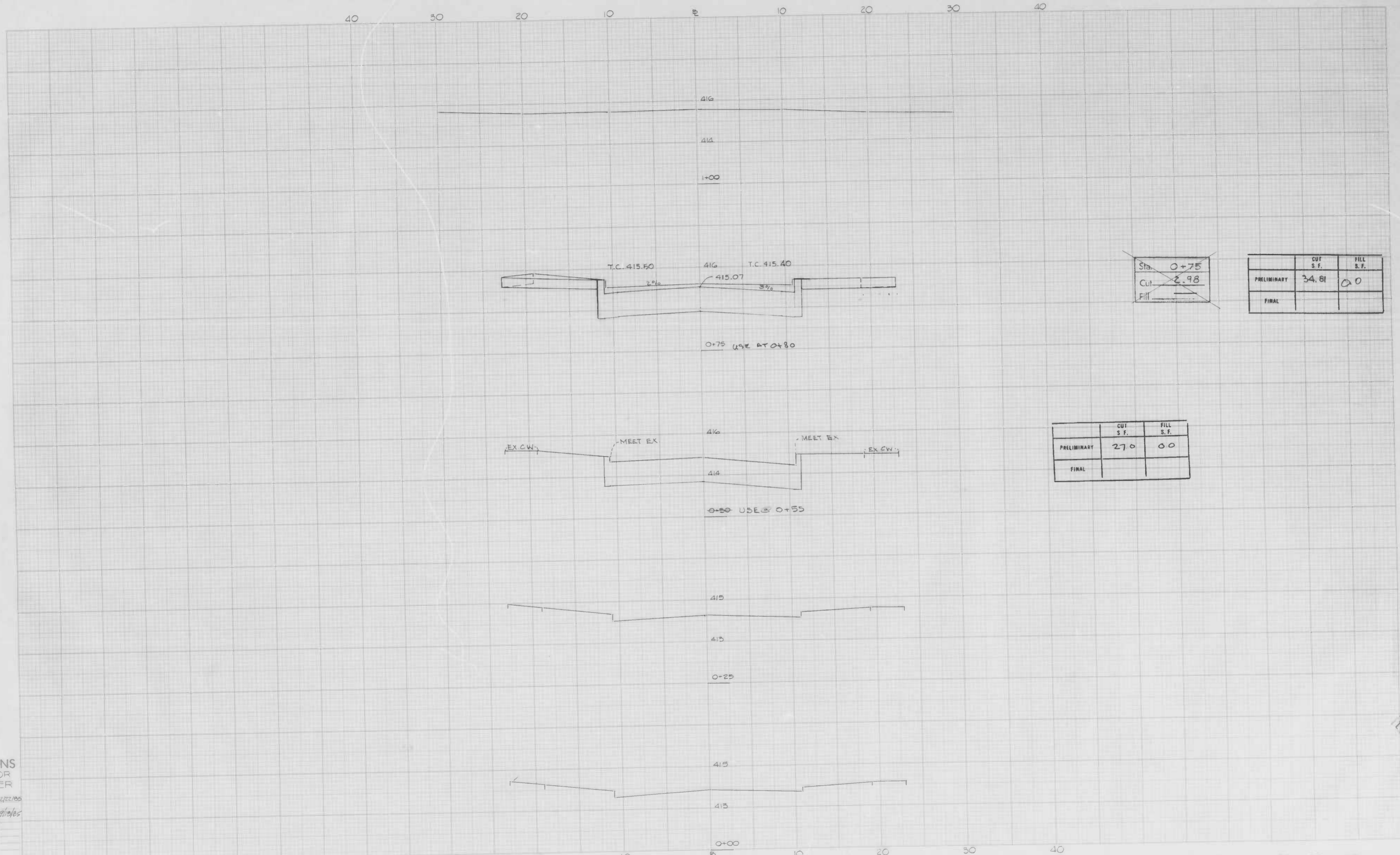
**CROSS SECTIONS**  
Scale: 1 inch = 5' HOR.  
2" VER.

Original Plans by: RAK Date: 12/22/99  
 Design Checked by: [Signature] Date: 1/12/00  
 AutoCAD by: [Signature]  
 Plots Checked by: [Signature]  
 Area by: [Signature]  
 Area Checked by: [Signature]

BOOK NO. L-1158

PROJECT AYRDALE AVE / SEQUOIA AVE TO BELLE AVE CONTRACT NO. 3061  
 DESCRIPTION SEQUOIA AVE - CROSS SECTIONS

SHEET NO. 11 OF 13  
 STATION 1+00 TO STATION 2+00



Sta.	0+75
Cut	34.61
Fill	0.0

	CUT S.F.	FILL S.F.
PRELIMINARY	34.61	0.0
FINAL		

	CUT S.F.	FILL S.F.
PRELIMINARY	27.0	0.0
FINAL		

**CROSS SECTIONS**  
Scale: 1 inch = 5 HOR  
2 VER

Original Designer: RAK Date: 12/22/05  
 Original Checker: C Date: 1/19/06  
 Reviser: Date:  
 Field Engineer: Date:  
 Plans Checked by: Date:  
 Area Checked by: Date: