| CURVE DATA TABLE | | | |
|---|---|---|---|
| NO. | RADIUS | DELTA | LENGTH |
| 1 | 203.00' | 45°27'57" | 161.09' |
| 2 | 185.00' | 45°57'38" | 148.80' |
| 3 | 167.00' | 45°57'38" | 133.96' |
| 4 | 25.00' | 71°02'43" | 31.00' |
| 5 | 25.00' | 108°27'33" | 47.32' |
| 6 | 8.00' | 180°00'00" | 25.13' |
| 7 | 8.00' | 180°00'00" | 25.13' |
| 8 | 450.00' | 15°34'58" | 122.39' |
| 9 | 185.00' | 41°18'53" | 133.40' |
| 10 | 169.00' | 41°18'53" | 121.86' |
| 11 | 25.00' | 53°09'54" | 23.20' |
| 12 | 25.00' | 101°06'16" | 44.12' |
| 13 | 25.00' | 15°08'50" | 23.63' |
| 14 | 25.00' | 54°08'50" | 23.63' |
| 15 | 45.00' | 288°17'33" | 226.42' |

AS BUILTS

REVISIONS

AS BUILTS

DESIGNED: CHECKED:
DRAWN: JEE DATE: 8-24-94
JOB NO.: 94-04 SCALE: 1" = 50'

# STREET PLAN
FOR
BARRINGTON HEIGHTS, VII
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

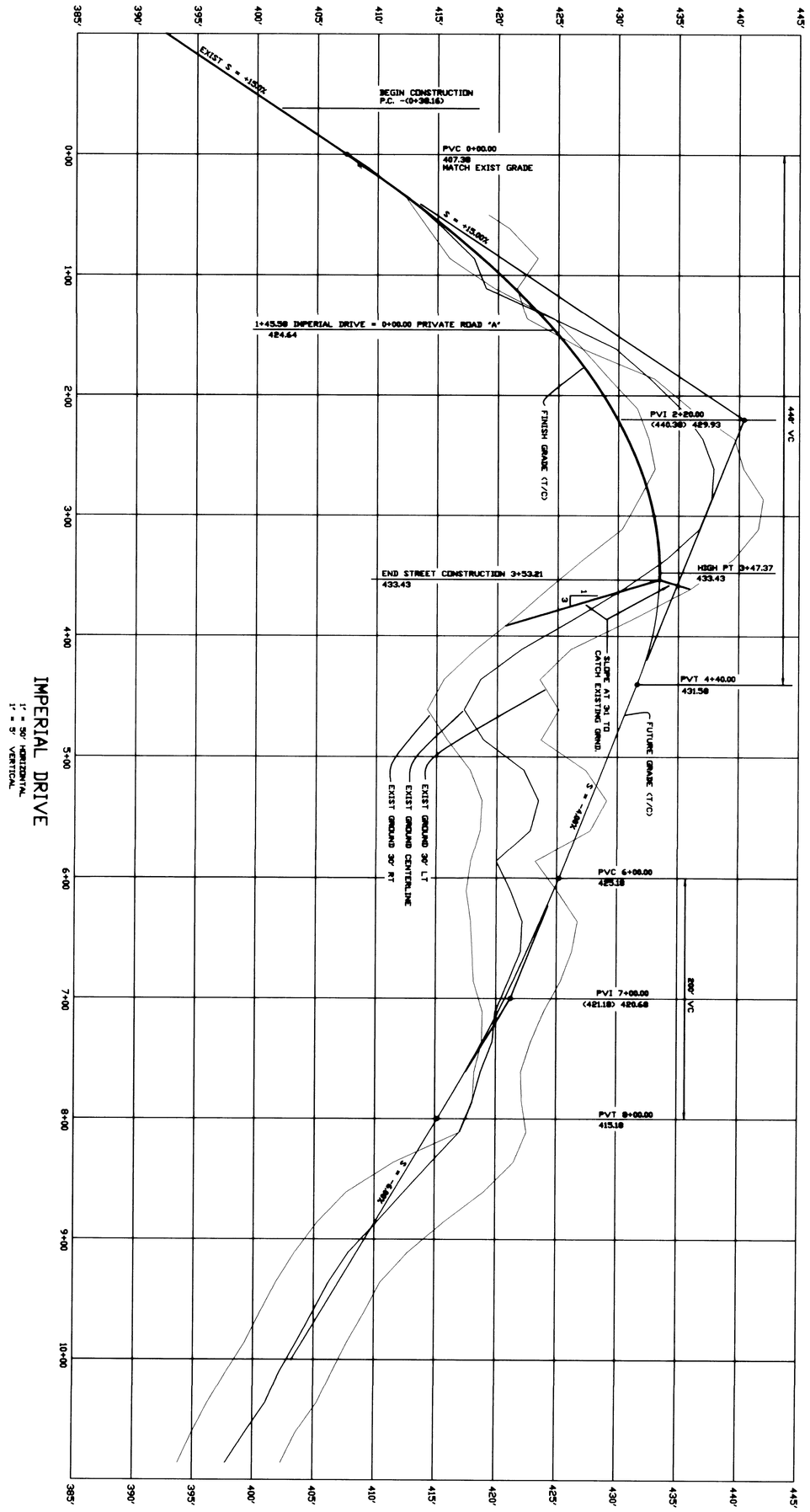
AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
12,820
OREGON
Feb. 14, 1985
THOMAS J. SISUL
9-12-94

SHEET
2 OF 15

94

Barrington VII




AS BUILTS

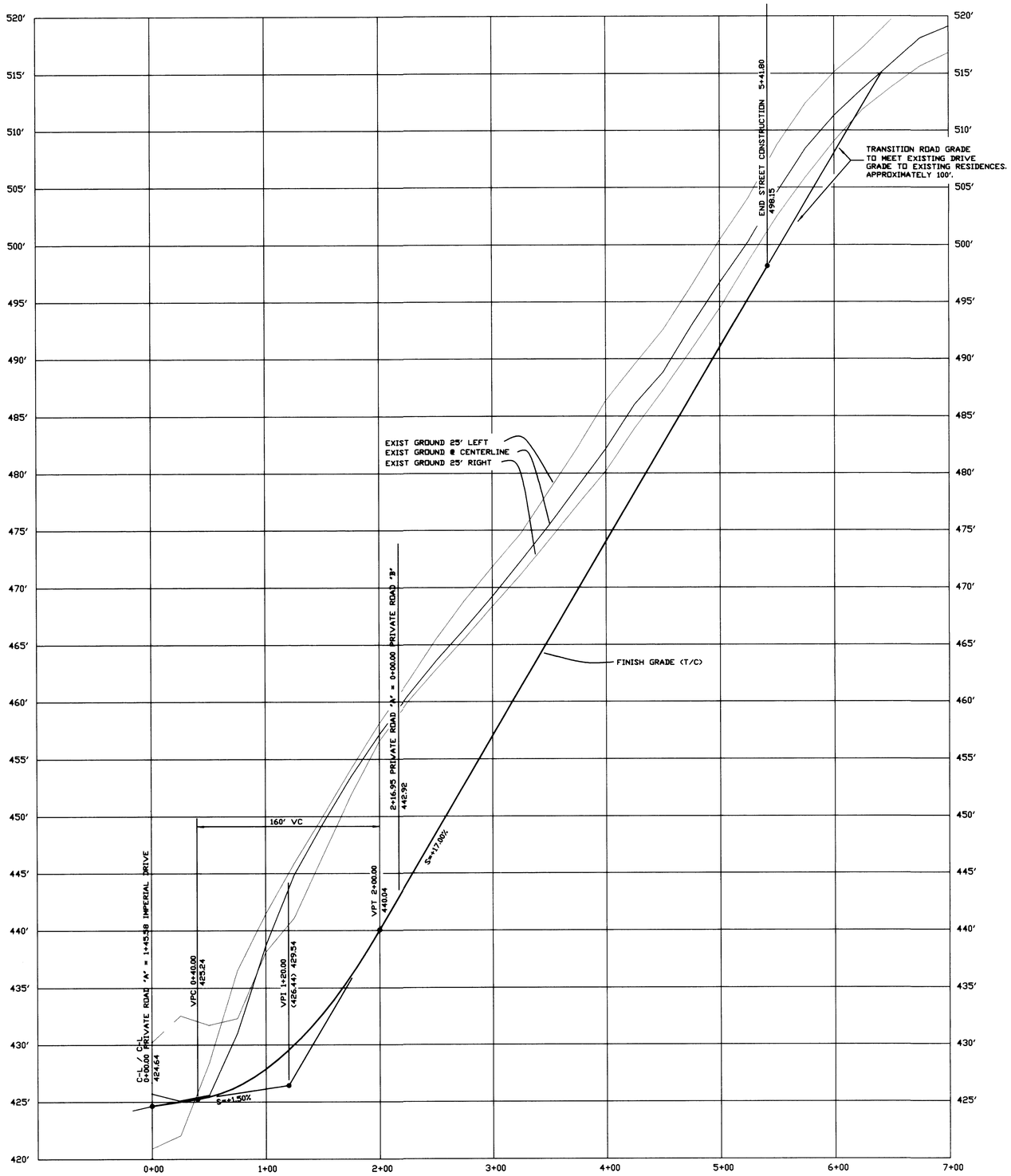
SHEET 3 OF 15

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

AS BUILTS BY
SISUL ENGINEERING

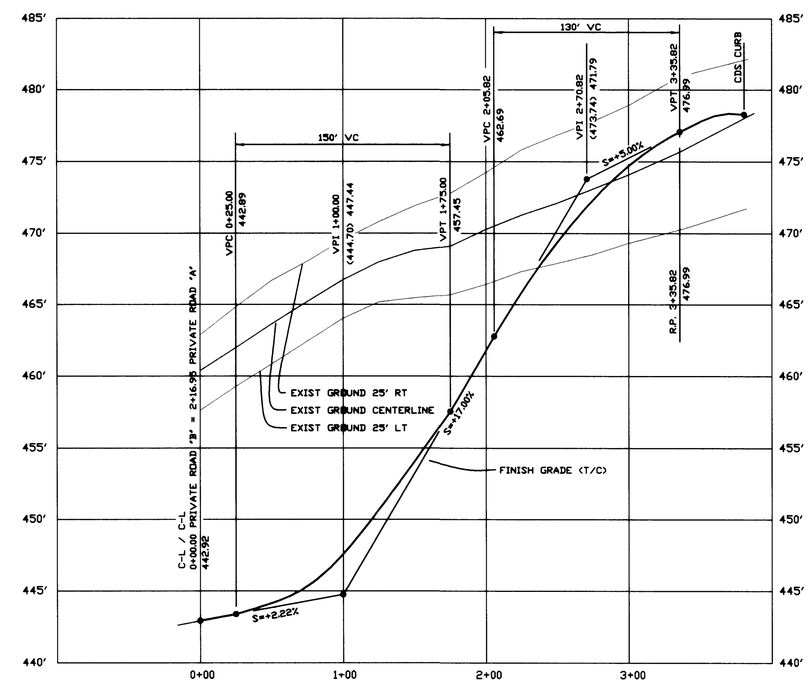
# STREET PROFILE - IMPERIAL DRIVE
FOR
BARRINGTON HEIGHTS , VII
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

| REVISIONS | |
|---|---|
| AS BUILTS | |
| DESIGNED: | CHECKED: |
| DRAWN: JEE | DATE: 8-24-94 |
| JOB NO.: 94-04 | SCALE: AS NOTED |




PRIVATE STREET "A"

1′ = 50′ HORIZONTAL
1′ = 5′ VERTICAL




PRIVATE STREET "B"

1′ = 50′ HORIZONTAL
1′ = 5′ VERTICAL

AS BUILTS

REVISIONS

AS BUILTS

DESIGNED: CHECKED:
DRAWN: JEE DATE: 8-24-94
JOB NO.: 94-04 SCALE: AS NOTED

# STREET PROFILE - PRIVATE ST. A & B

FOR

BARRINGTON HEIGHTS, VII

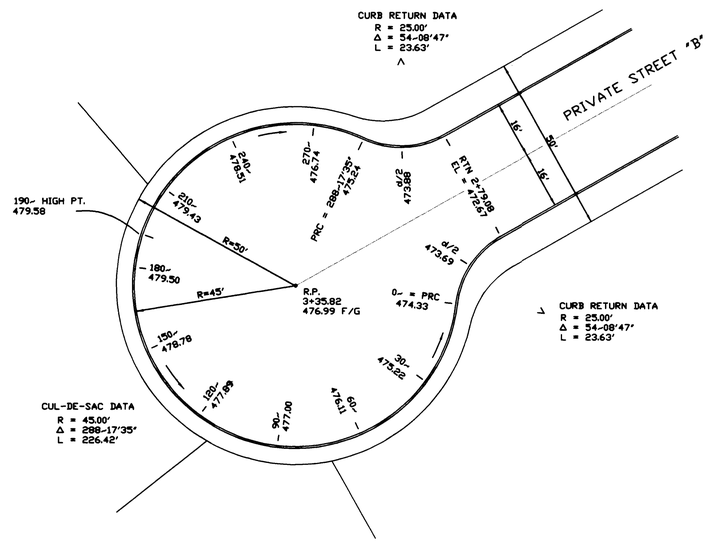
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

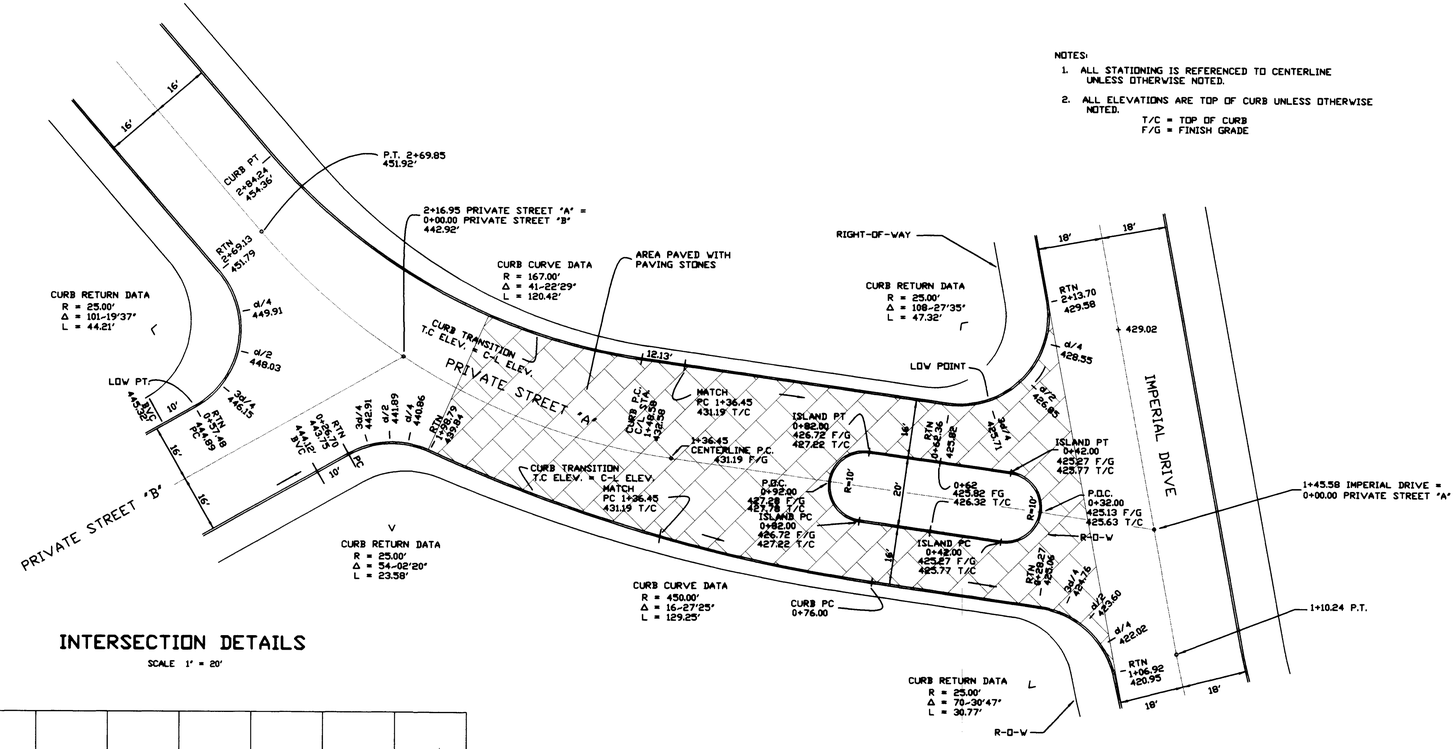
CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
12,820
exp 12/31/94
OREGON
feb 14, 1985
THOMAS J. SISUL
9-12-94

SHEET
4 OF 15



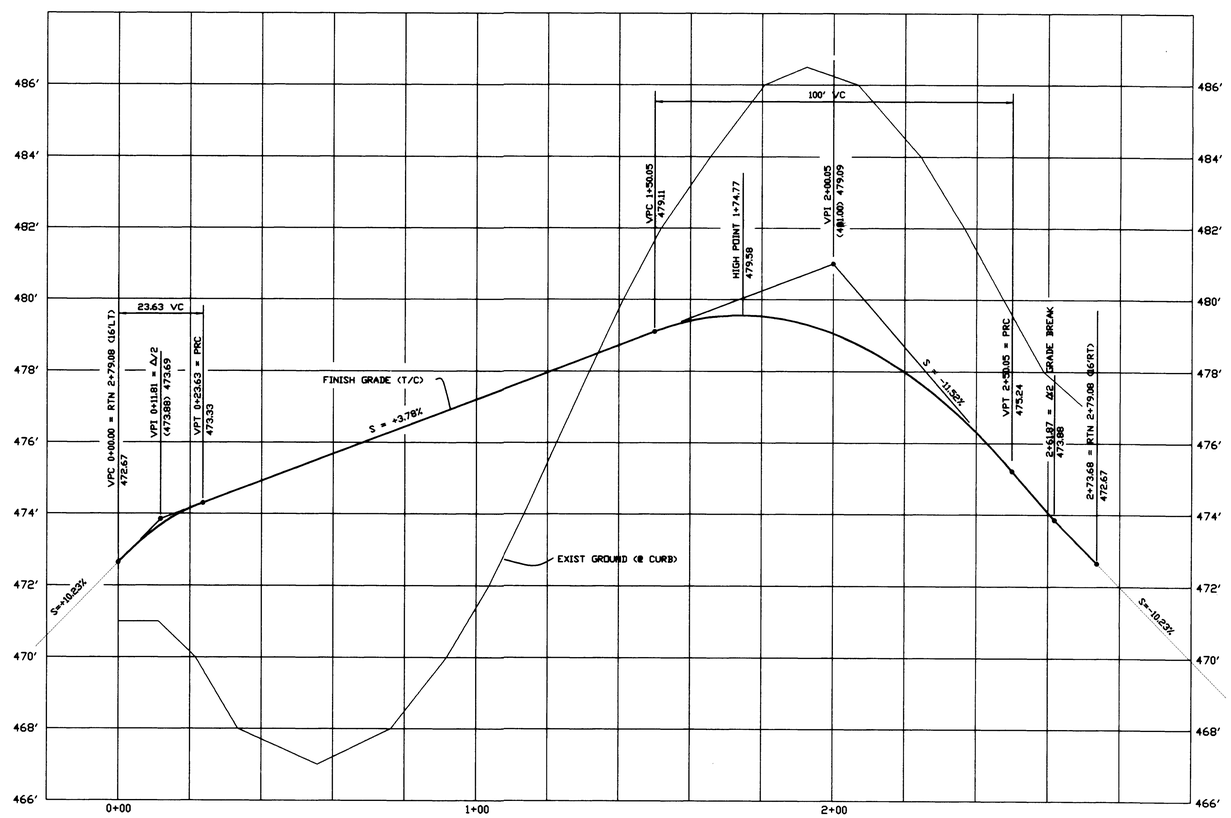

NOTES:

1. ALL STATIONING IS REFERENCED TO CENTERLINE UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS ARE TOP OF CURB UNLESS OTHERWISE NOTED.

T/C = TOP OF CURB
F/G = FINISH GRADE

## INTERSECTION DETAILS

SCALE 1" = 20'




## CUL-DE-SAC (PRIVATE ST. 'B')

1" = 20' HORIZONTAL
1" = 2' VERTICAL

AS BUILTS

REVISIONS

AS BUILTS

DESIGNED: CHECKED:
DRAWN: JEE DATE: 8-24-94
JOB NO: 94-04 SCALE: 1" = 20'

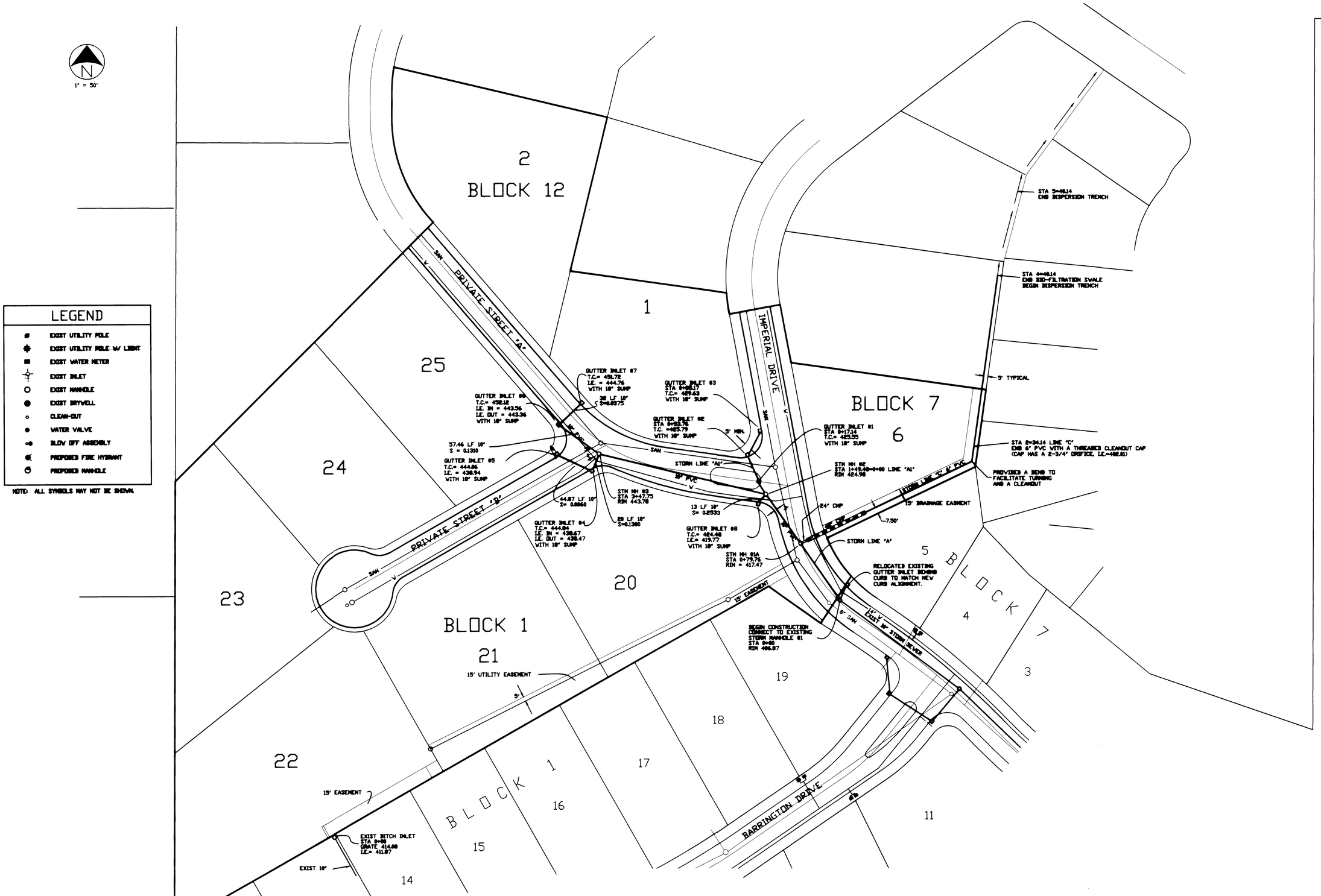
# INTERSECTION & CUL-DE-SAC DETAIL
FOR
BARRINGTON HEIGHTS, VII
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
12,820
12/31/94
OREGON
FEB. 14, 1985
THOMAS J. SISUL
9-12-94

SHEET
5 OF 15




REVISIONS

AS BUILTS

| | |
|---|---|
| DESIGNED: | CHECKED: |
| DRAWN: JEE | DATE: 8-22-94 |
| JOB NO.: 94-04 | SCALE: 1" = 50' |

# STORM SEWER PLAN

FOR

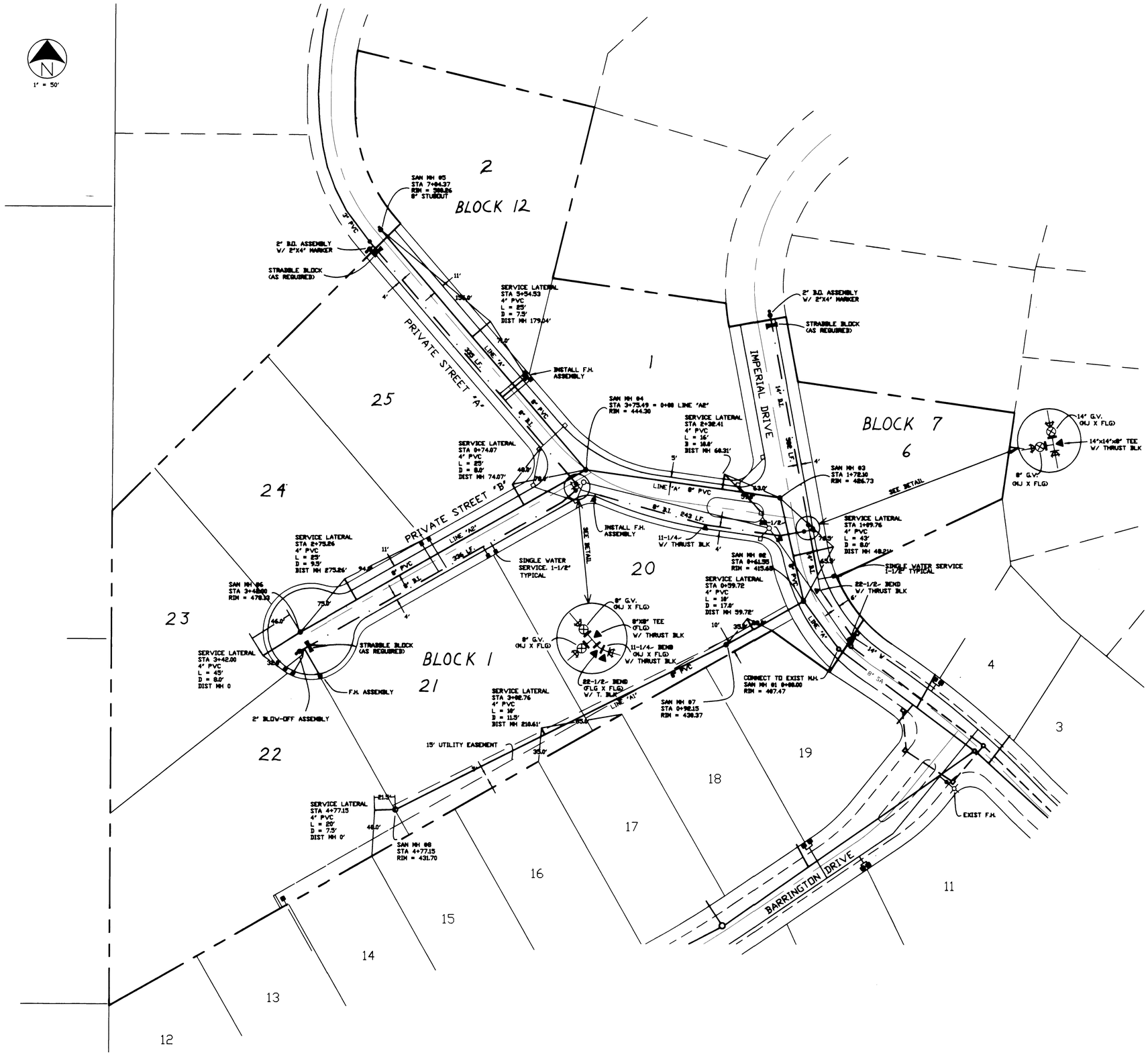
BARRINGTON HEIGHTS , VII

CITY OF WEST LINE, COUNTY OF CLACKAMAS, STATE OF OREGON

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
12,820
OREGON




AS BUILTS

REVISIONS

AS BUILTS

| | | | |
|---|---|---|---|
| DESIGNED: | | CHECKED: | |
| DRAWN: | JEE | DATE: | 8-8-94 |
| JOB NO.: | 94-04 | SCALE: | 1" = 50' |

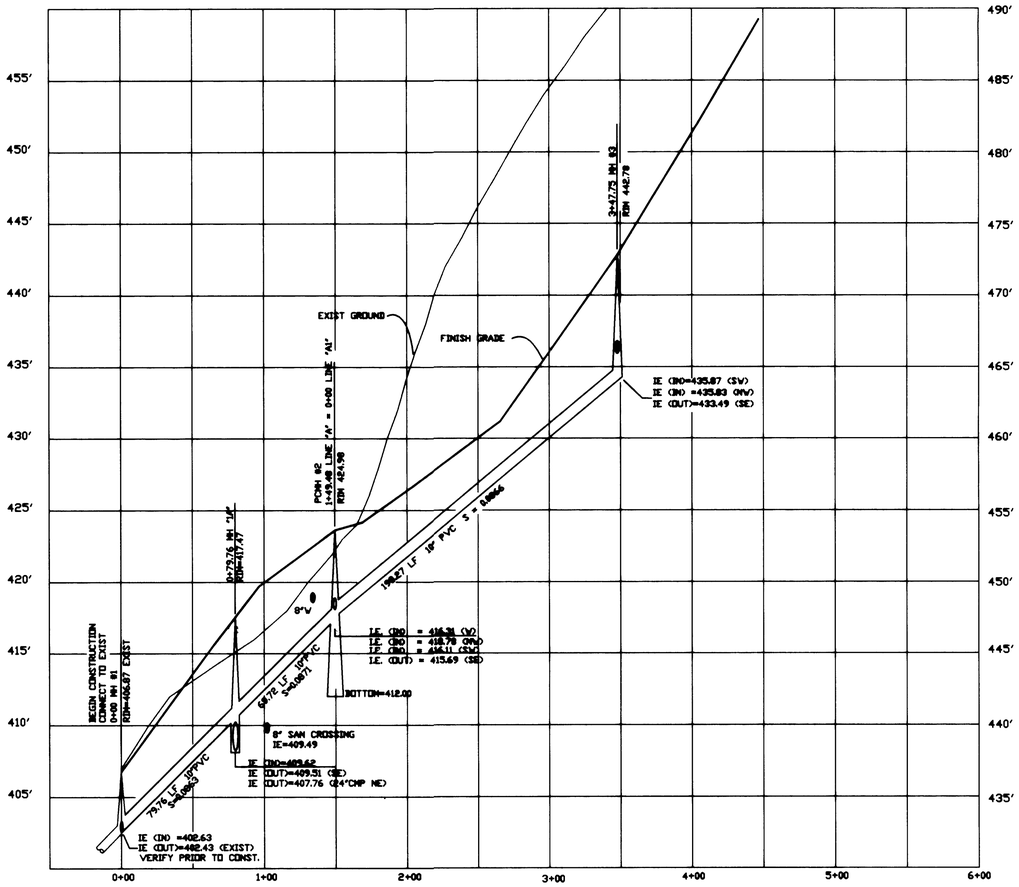
# SANITARY SEWER & WATER PLAN
FOR
BARRINGTON HEIGHTS, VII
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

AS BUILTS BY
SISUL ENGINEERING

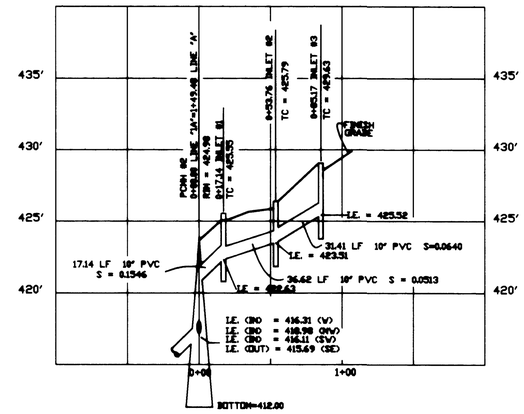
REGISTERED PROFESSIONAL ENGINEER
12,820
FEB. 14, 1992
OREGON
THOMAS J. SISUL
9-12-94

SHEET 7 OF 15



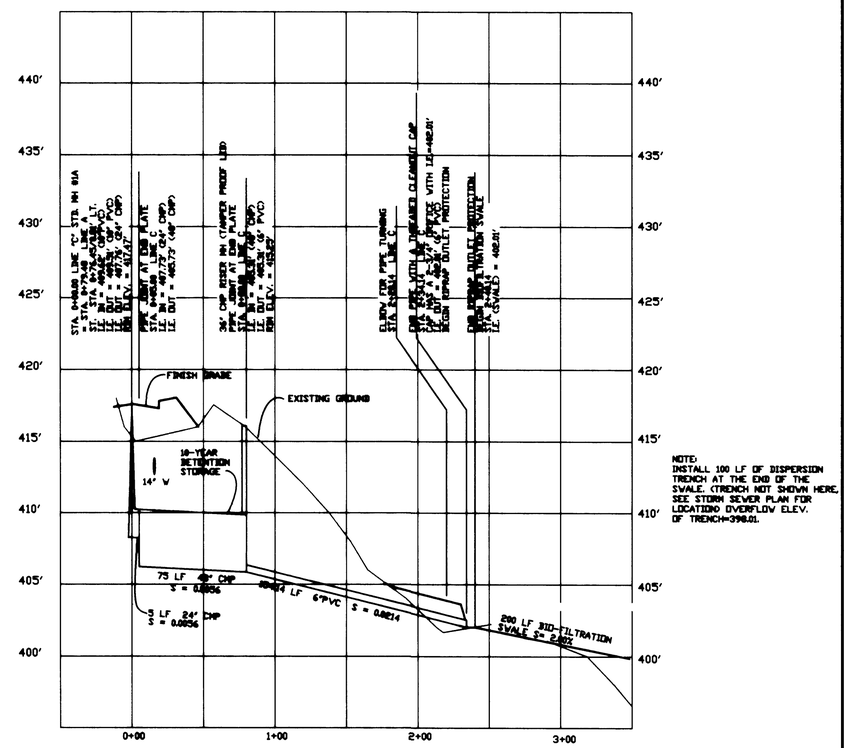

STORM PROFILE LINE "A"

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL




STORM PROFILE LINE "A1"

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL




STORM PROFILE LINE "C"

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

AS BUILTS

REVISIONS

AS BUILTS

| | | | |
|---|---|---|---|
| DESIGNED: | | CHECKED: | |
| DRAWN: | JEE | DATE: | 8-23-94 |
| JOB NO.: | 94-04 | SCALE: | AS NOTED |

# STORM SEWER PROFILES

FOR

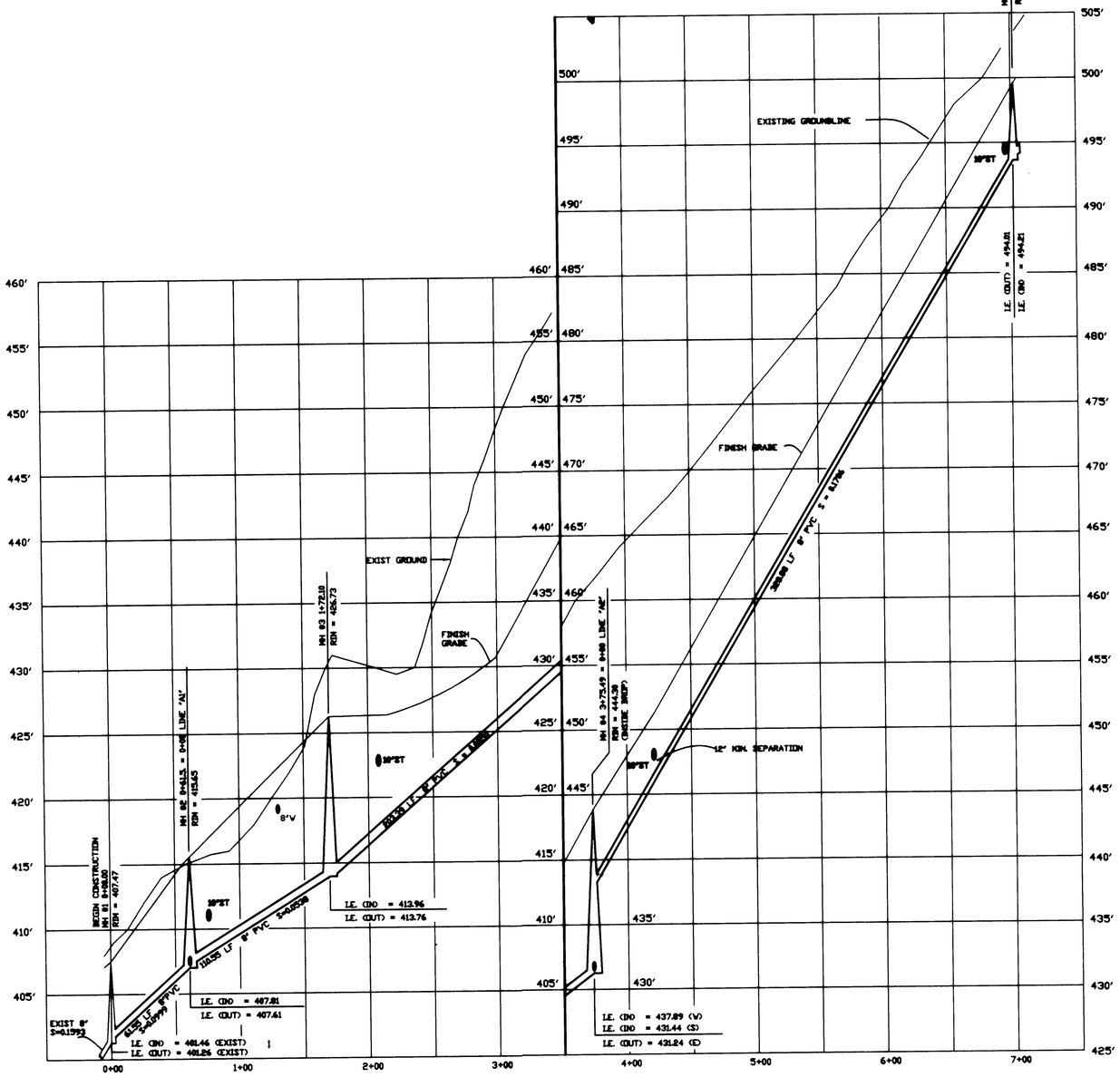
BARRINGTON HEIGHTS, VII

CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

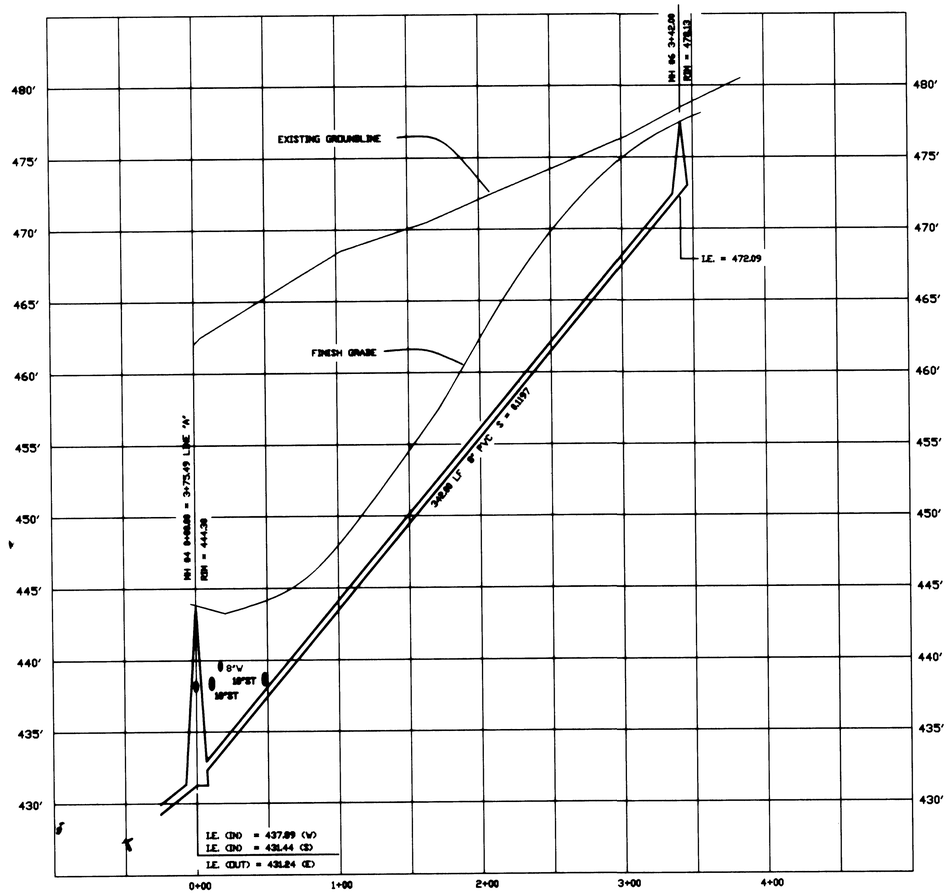
CONSTRUCTIION PLANS BY
W.B. WELLS
& ASSOCIATES,INC.
AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
12,828
9/12/94
OREGON
FEB. 14, 1985
THOMAS J. SISUL
9-12-94

SHEET
8 OF 15




SANITARY PROFILE LINE "A"

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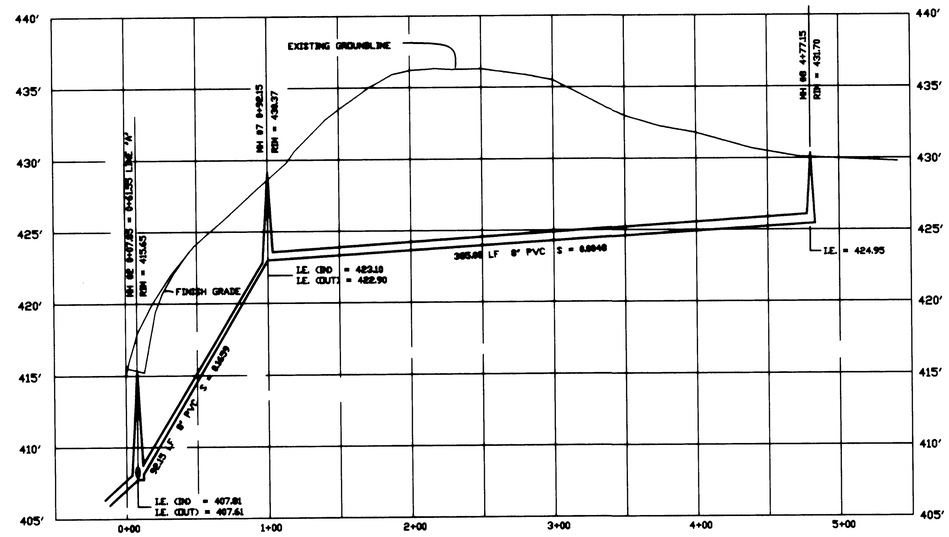



SANITARY PROFILE LINE "A1"

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

AS BUILTS

REVISIONS

AS BUILTS

| | | | |
|---|---|---|---|
| DESIGNED: | | CHECKED: | |
| DRAWN: | JEE | DATE: | 8-15-94 |
| JOB NO.: | 94-04 | SCALE: | 1" = 50' |

# SANITARY SEWER PROFILES

FOR

BARRINGTON HEIGHTS, VII

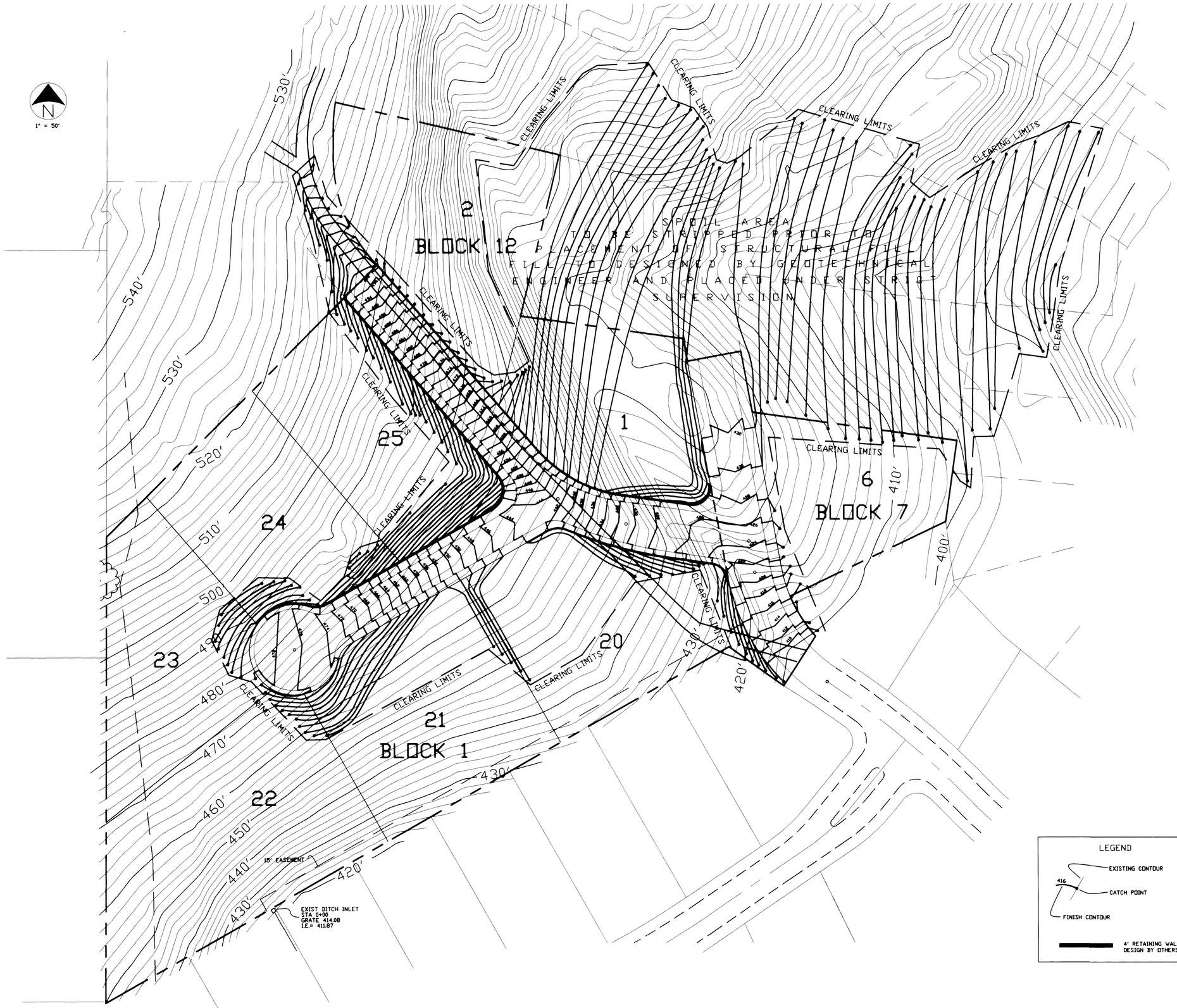
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
12,820
EXP 12/31/94
OREGON
FEB. 14, 1989
THOMAS J. SISUL
9-12-94

SHEET 9 OF 15




AS BUILT

REVISIONS

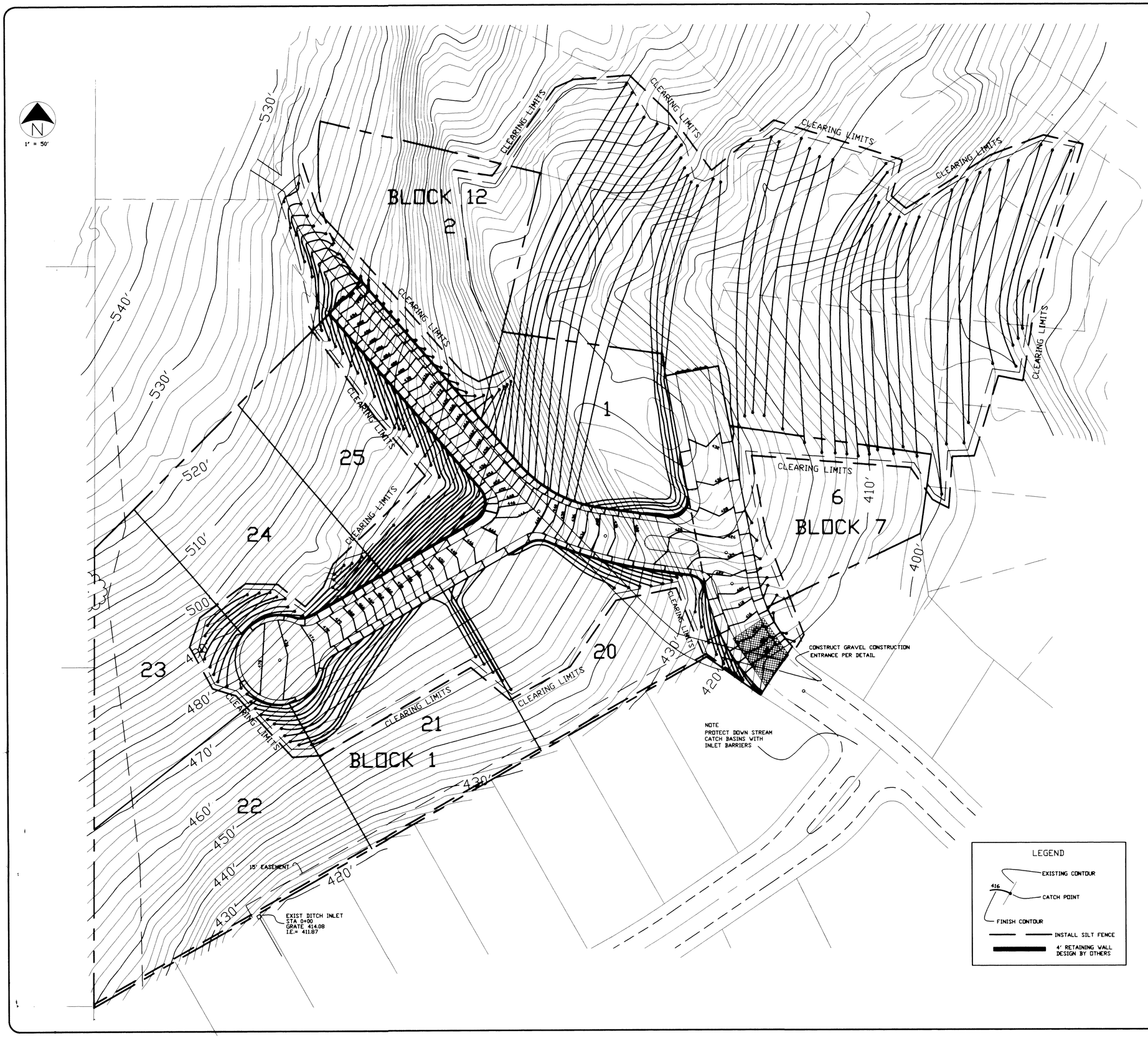
| | |
|---|---|
| DESIGNED | CHECKED |
| DRAWN JCE | DATE 12/14/94 |
| JOB NO. 94-04 | SCALE 1"=50' |

# GRADING PLAN
FOR
BARRINGTON HEIGHTS , VII
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.
AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER 12,820 OREGON FEB. 14, 1985 THOMAS J. SISUL
12-15-94

SHEET
10 of 15




# EROSION CONTROL NOTES

1. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.

2. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THE GRADING PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.

3. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.

4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.

5. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

6. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.

7. GRAVEL CONSTRUCTION ENTRANCES (SEE DETAIL)
   - A. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT AT ANY SITE WHERE TRAFFIC WILL BE LEAVING THE SITE AND MOVING DIRECTLY ONTO PUBLIC ROADS, OTHER PAVED AREAS, OR OTHER APPROVED ACCESS POINTS. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEANED FOR THE DURATION OF THE PROJECT.
   - B. ADDITIONAL GRAVEL MAY HAVE TO BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
   - C. IF THE GRAVEL PAD DOES NOT ADEQUATELY REMOVE DIRT AND MUD FROM VEHICLE WHEELS SUCH THAT MUD AND DIRT TRACKING IS EVIDENT OFF-SITE, ADDITIONAL MEASURES MUST BE TAKEN. SUCH MEASURES MAY INCLUDE HOSING OF WHEELS BEFORE VEHICLES LEAVE THE SITE, OR OTHER CONSTRUCTION TECHNIQUES/WORK OPERATIONS MODIFICATIONS. WHEEL WASHING SHOULD BE DONE ON THE GRAVEL PAD AND WASH WATER SHOULD DRAIN THROUGH A SILT-TRAPPING STRUCTURE PRIOR TO LEAVING THE CONSTRUCTION SITE.

8. TEMPORARY SEDIMENT FENCES
   - A. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
   - B. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 8 FEET APART AND SECURELY DRIVEN INTO THE GROUND A MINIMUM OF 30 INCHES.
   - C. A TRENCH SHALL BE EXCAVATED ROUGHLY 8 INCHES WIDE 12 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
   - D. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRE OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
   - E. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
   - F. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS, WITH ALL OTHER PROVISIONS OF THE PRIOR STANDARD NOTE FOR STANDARD STRENGTH FILTER FABRIC APPLYING.
   - G. SEDIMENT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
   - H. SEDIMENT FENCES SHALL BE INSPECTED BY THE CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
   - I. AT NO TIME SHALL MORE THAN A ONE FOOT DEPTH OF SEDIMENT BE ALLOWED TO ACCUMULATE BEHIND A SEDIMENT FENCE. SEDIMENT SHOULD BE REMOVED OR REGRADED INTO SLOPES, AND THE SEDIMENT FENCES REPAIRED AND RE-ESTABLISHED AS NEEDED.

9. STRAW BALE SEDIMENT BARRIER
   - A. STRAW BALES SHALL BE STANDARD 40 TO 60 POUND RECTANGULAR BALES OF CEREAL GRAIN OR SEED STRAW.
   - B. STAKES SHALL BE WOOD OF SIZE AS SHOWN IN DETAILS AND DRIVEN THROUGH BALES AND INTO THE GROUND TO A MINIMUM DEPTH OF 12 INCHES.
   - C. STRAW BALES SHALL BE KEYED INTO THE EXISTING GROUND 4 TO 6 INCHES.
   - D. STRAW BALE SEDIMENT BARRIERS MAY BE LEFT IN PLACE OR USED AS MULCH AFTER COMPLETION OF SITE WORK IF APPROVED BY THE ENGINEER.
   - E. AT NO TIME SHALL MORE THAN A ONE FOOT DEPTH OF SEDIMENT BE ALLOWED TO ACCUMULATE BEHIND STRAW BALE SEDIMENT BARRIERS. SEDIMENT SHOULD BE REMOVED OR REGRADED INTO THE SLOPE, OR NEW LINES OF BARRIERS INSTALLED UPHILL OF SEDIMENT-LADEN BARRIERS.

10. IMMEDIATELY AFTER THE COMPLETION OF GRADING ALL DISTURBED AREAS SHALL BE SPRAYED USING WEYERHAEUSER "SILVAFIBRE" AT A RATE OF 2400 LB. PER ACRE AND "J-TACK" TACKIFIER AT A RATE OF 40 LB. PER ACRE, WITHOUT SEED OR FERTILIZER.

11. THE CONTRACTOR IS SOLEY RESPONSIBLE FOR PROTECTION OF ALL WORK, ADJACENT PROPERTIES AND DOWNSTREAM FACILITIES FROM EROSION AND SILTATION DURING THE COURSE OF THE WORK. ANY DAMAGE RESULTING FROM SUCH EROSION AND SILTRATION SHALL BE CORRECTED AT THE SOLE EXPENSE OF THE CONTRACTOR.

12. STRAW IS TO BE PLACED ON ALL DISTURBED AREAS IMMEDIATELY AFTER COMPLETION OF EACH SECTION OF UTILITY CONSTRUCTION UNTIL THE TEMPORARY EROSION CONTROL SEEDING HAS BEEN ESTABLISHED.

13. ALL DISTURBED AREAS SHALL BE HYDROSEEDED BETWEEN SEPTEMBER 1 AND MARCH 31 USING THE FOLLOWING COMPONENTS:

    TYPE OF SEED MIX

    25% ELKA DWARF PERENNIAL RYE
    25% ENSYLVA DWARF PERENNIAL RYE
    35% ANNUAL RYEGRASS
    15% WHITE CLOVER

    RATE OF SEEDING

    300 LB. PER ACRE

    FERTILIZER

    10 LB. PER 1,000 S.F., 16-16-16 SLOW RELEASE TYPE.

    MULCH

    WEYERHAEUSER SILVAFIBRE, 1500 LB. PER ACRE

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HYDROSEEDED AREAS UNTIL VEGETATION UPON THEM IS ESTABLISHED. ANY ADDITIONAL HYDROSEEDING NECESSARY TO ESTABLISH THE VEGETATION SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

EXISTING WELLS ON SITE TO BE CLOSED AND CAPPED IN ACCORDANCE WITH REQUIREMENTS OF THE LOCAL WATERMASTER

AS BUILT

REVISIONS

| | |
|---|---|
| DESIGNED | CHECKED |
| DRAWN JEE | DATE 12-14-94 |
| JOB NO. 94-04 | SCALE 1"=50' |

# EROSION CONTROL PLAN
FOR
BARRINGTON HEIGHTS, VII
CITY OF WEST LINN, COUNTY OF CLACKAMAS, STATE OF OREGON

CONSTRUCTION PLANS BY
W.B. WELLS
& ASSOCIATES, INC.

AS BUILTS BY
SISUL ENGINEERING

REGISTERED PROFESSIONAL ENGINEER
12,820
EXP 12/30/94
OREGON
FEB. 14, 1989
THOMAS J. SISUL
12-15-94

SHEET
14 of 15