ROAD AND DRAINAGE PLANS FOR:

# SALTESE AND SALTESE FIRST ADDITION

## A RURAL CLUSTER DEVELOPMENT
## SPOKANE COUNTY, WASHINGTON

S.29, T.25N., R.45E., W.M.

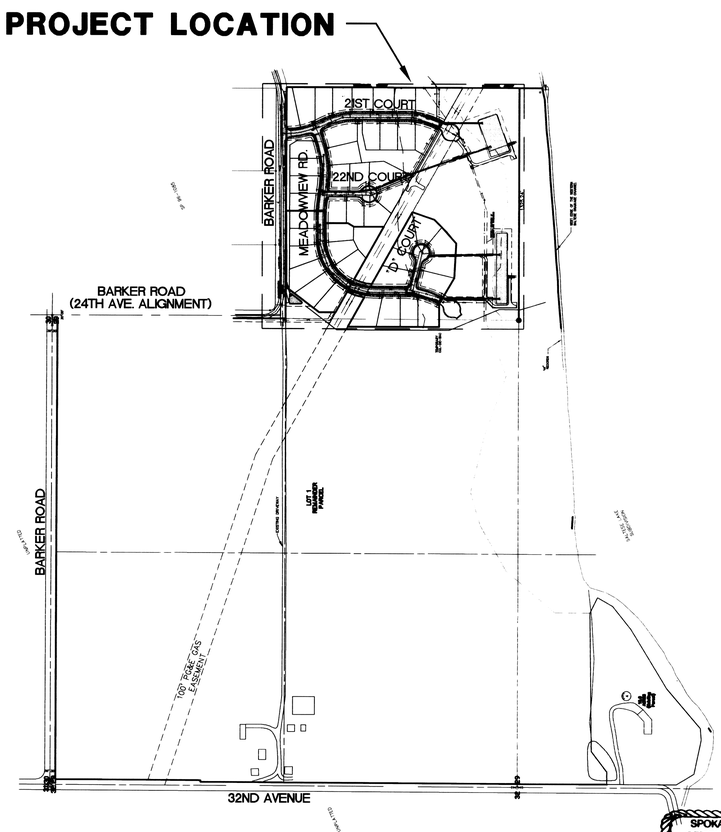
## INDEX OF DRAWINGS

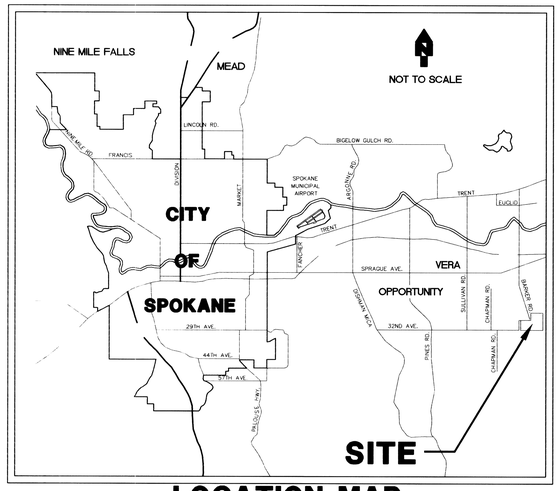
| SHEET NO. | DESCRIPTION |
|---|---|
| 1 | COVER SHEET |
| 2 | BARKER ROAD WIDENING STA. 27+62.00 TO STA. 39+47.00 |
| 3 | 21ST COURT STA. 12+90.00 TO STA. 23+50.84 |
| 4 | MEADOWVIEW RD. STA. 27+75.62 TO STA. 37+50.61 |
| 5 | MEADOWVIEW RD. STA. 21+17.09 TO STA. 27+75.62 |
| 6 | 22ND COURT AND "D" COURT |
| 7 | DETENTION POND AND STORM DETAILS - PHASE I |
| 8 | DETENTION POND AND STORM DETAILS - PHASE II |
| 9 | ROAD AND DRAINAGE DETAILS |
| 10 | TEMPORARY EROSION AND SEDIMENT CONTROL PLAN |
| 11 | TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS |

## LEGEND

| EXISTING | | PROPOSED | |
|---|---|---|---|
| 2353 | CONTOUR | 2250 | CONTOUR |
| | EASEMENT LINE | | PLAT BOUNDARY |
| BT | BURIED TELEPHONE | | EASEMENT LINE |
| G | BURIED GAS PIPELINE | | LOT LINE |
| OE | OVERHEAD ELECTRICAL | W | WATER LINE |
| x x x x x x | FENCE | SS | SANITARY SEWER LINE |
| W | WATER LINE | SD | STORM DRAIN LINE |
| SS | SEWER LINE | | ASPHALT PAVEMENT |
| SD | STORM DRAIN LINE | | WATER VALVE |
| | WATER VALVE | | CONCRETE THRUST BLOCK |
| | WATER LINE FITTING (TYP.) | | WATER LINE FITTING (TYP.) |
| | FIRE HYDRANT | | SANITARY SEWER MANHOLE |
| | WATER METER AND SERVICE | | STORM DRAIN MANHOLE OR DRYWELL |
| | SIGN | | CATCH BASIN |
| | | | GRAVEL |
| | | | CURB & GUTTER |

## PROJECT LOCATION




**LOCATION MAP**

1. ALL MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION 2001", AS AMENDED, AND THE "2002 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
2. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR RELOCATION OF POWER POLES, LIGHTS, TELEPHONE, AND/OR OTHER UTILITIES THAT MAY CONFLICT WITH THE CONSTRUCTION.
3. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. CONTRACTOR SHALL ALSO MAINTAIN ON THE SITE A COMPLETE SET OF RED LINE RECORD DRAWINGS INDICATING ALL CHANGES FROM THE APPROVED DRAWINGS.
4. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEER'S OFFICE.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO ADJACENT EXISTING PROPERTIES OR IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY AREAS DISTURBED BY HIS ACTIVITIES.
6. SITE EXCAVATION, INCLUDING ROCK CUTS AND REMOVAL, SHALL CONFORM TO SECTION 2-03 OF THE WSDOT STANDARD SPECIFICATIONS. EMBANKMENTS TO BE CONSTRUCTED ACCORDING TO THE APPLICABLE PARAGRAPHS OF SECTION 2-03 OF THE WSDOT STANDARD SPECIFICATIONS. EARTH EMBANKMENTS TO BE CONSTRUCTED USING METHOD B OF SECTION 2-03.3(14)C.
7. ALL FILL IN AREAS OUTSIDE OF PAVEMENT SHALL BE COMPACTED IN MAXIMUM 8" LIFTS TO 92% OF MAXIMUM ASTM D 1557 DRY DENSITY. PAVEMENT SUBGRADE SHALL BE COMPACTED TO 95%.
8. FOR ANY CURB GRADES LESS THAN 0.8% (0.008 FT/FT), A WASHINGTON STATE-LICENSED PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE CURB FORMS ARE AT THE GRADES NOTED ON THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
**CONSTRUCTION PLANS**
PROJECT #: P1912 & P1912A
DATE ACCEPTED: 4/22/04
ACCEPTANCE EXPIRES: 4/22/06
PROJECT LANE MILES PUBLIC: 1.1
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

| No. | Date | By | Ckd. | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 08/11/03 | ALB | CHM | | PER TEI IN-HOUSE QC REVIEW |

Drawn ALB Date 08/01/03
Designed CHM Date 08/01/03
Checked – –

CHRISTOPHER H. MINNICK — STATE OF WASHINGTON — 17956 — REGISTERED PROFESSIONAL ENGINEER — 11/3/03
EXPIRES 11/09/04

The design improvements shown in this set of plans and calculations conform to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Stormwater Management. All design deviations have been approved by the Spokane County Engineer. I approve these plans for construction.


Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224


Developer's Approval [signature] Date 11/4/03

**SPOKANE COUNTY PUBLIC WORKS**
**DIVISION OF ENGINEERING AND ROADS**
W. 1026 Broadway Ave.
Spokane Wa. 99260-0170
477-3600

VERTICAL DATUM: FOUND REBAR AT SE CORNER OF BARKER ROAD/24TH AVE. (CONTROL PT. NO. 5) ELEVATION 2084.06 NAVD 88 DATUM
CADD FILE NAME: 01085F COVER
400 200 0 400 800
SCALE FEET

SCALE
HORIZ. 1"=400'
VERT. N/A

SALTESE & SALTESE FIRST ADDITION — COVER
COVER SHEET — SHEET 1/11

P-1912 & P-1912A Eng Road-Drainage

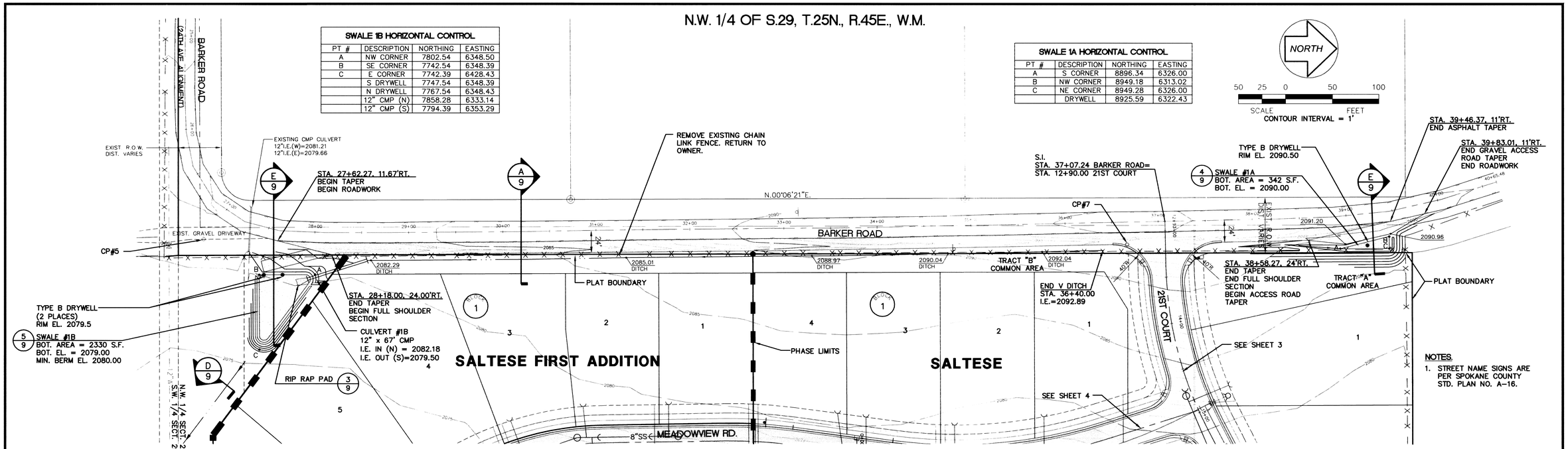
# N.W. 1/4 OF S.29, T.25N., R.45E., W.M.

| SWALE 1B HORIZONTAL CONTROL | | | |
|---|---|---|---|
| PT # | DESCRIPTION | NORTHING | EASTING |
| A | NW CORNER | 7802.54 | 6348.50 |
| B | SE CORNER | 7742.54 | 6348.39 |
| C | E CORNER | 7742.39 | 6428.43 |
| | S DRYWELL | 7747.54 | 6348.39 |
| | N DRYWELL | 7767.54 | 6348.43 |
| | 12" CMP (N) | 7858.28 | 6333.14 |
| | 12" CMP (S) | 7794.39 | 6353.29 |

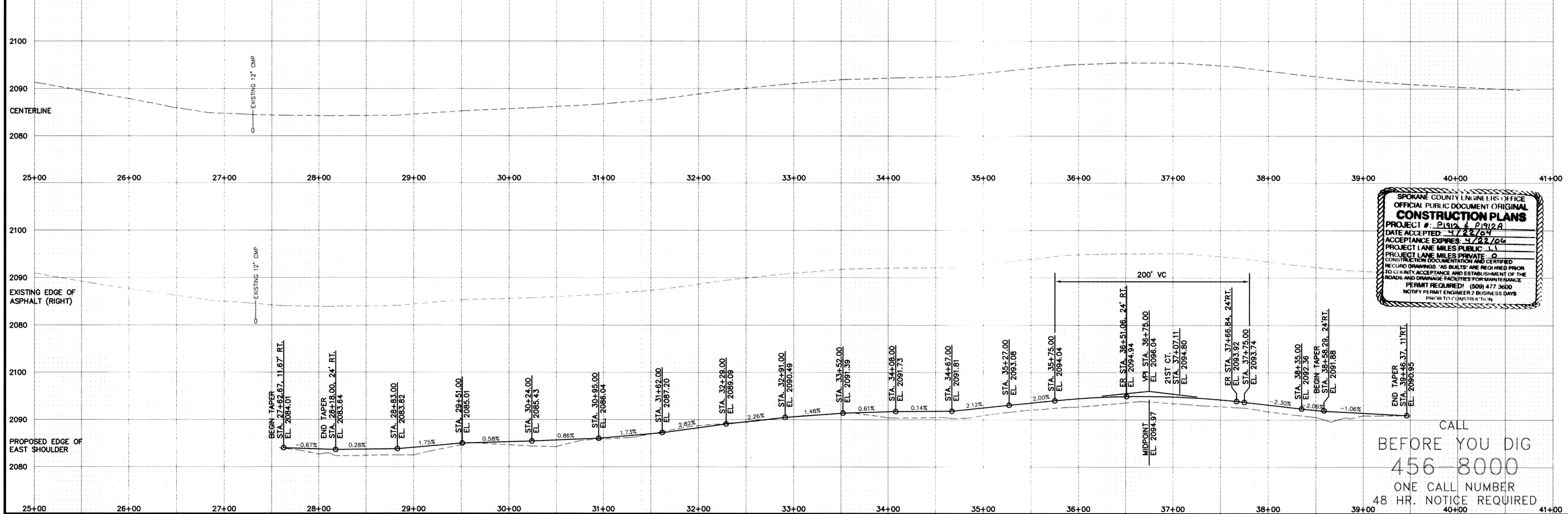
| SWALE 1A HORIZONTAL CONTROL | | | |
|---|---|---|---|
| PT # | DESCRIPTION | NORTHING | EASTING |
| A | S CORNER | 8896.34 | 6326.00 |
| B | NW CORNER | 8949.18 | 6313.02 |
| C | NE CORNER | 8949.28 | 6326.00 |
| | DRYWELL | 8925.59 | 6322.43 |

NORTH

50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 1'




NOTES.
1. STREET NAME SIGNS ARE PER SPOKANE COUNTY STD. PLAN NO. A-16.

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PERMIT REQUIRED! (509) 477 3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

CALL BEFORE YOU DIG 456-8000 ONE CALL NUMBER 48 HR. NOTICE REQUIRED

| No. | Date | By | Ckd. | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 08/11/03 | ALB | CHM | | PER TEI IN-HOUSE QC REVIEW |
| 2 | 09/05/03 | ALB | CHM | | PER 08/22/03 COUNTY REVIEW |
| 3 | 10/01/03 | ALB | CHM | | PER 09/19/03 COUNTY REVIEW |
| 4 | 11/03/03 | ALB | CHM | | PER 10/24/03 COUNTY REVIEW |

Drawn ALB Date 08/01/03
Designed CHM Date 08/01/03
Checked MAS Date 08/08/03

CHRISTOPHER H. MANSFIELD — STATE OF WASHINGTON — 32958 — REGISTERED PROFESSIONAL ENGINEER — 11/3/03
EXPIRES 11/09/04

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Developer's Approval [signature] Date 11/4/03

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477-3600

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CADD FILE NAME: 01085F RD P&P.dwg

50 25 0 50 100
SCALE FEET

SCALE
HORIZ. 1"=50'
VERT. 1"=10'

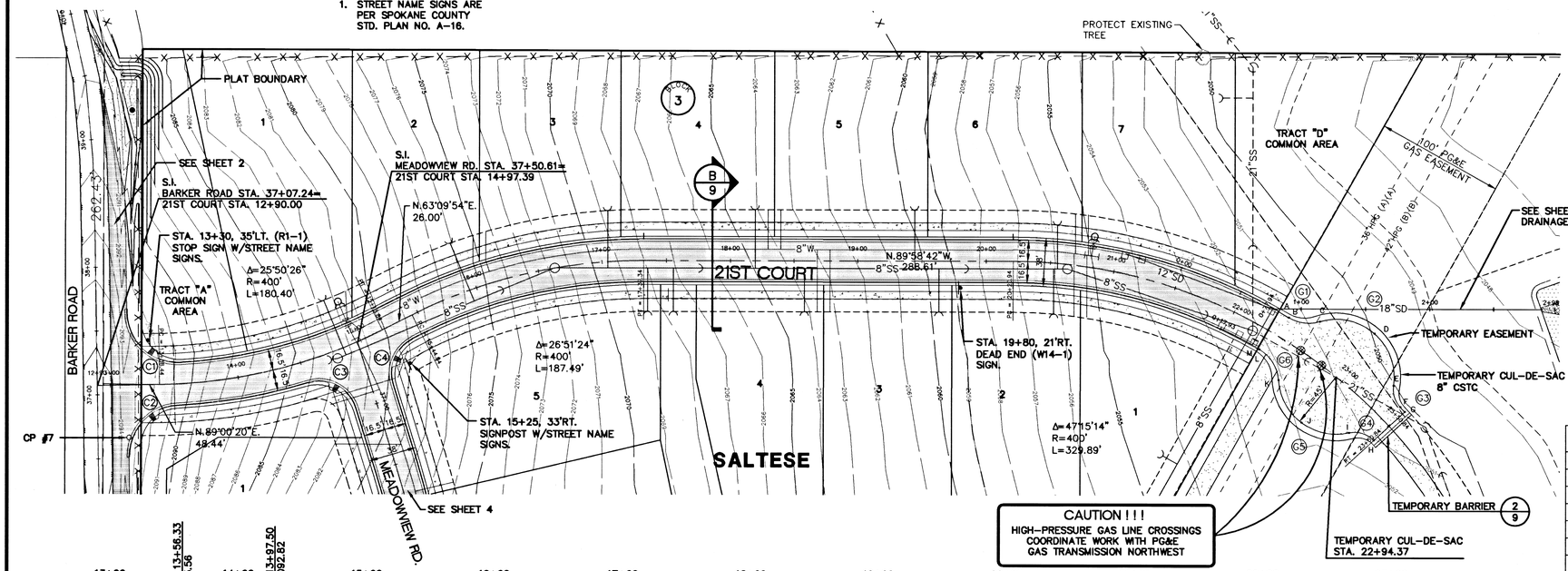
*SALTESE & SALTESE FIRST ADDITION* — ROAD

*BARKER ROAD WIDENING STA. 27+62.00 TO STA. 39+47.00* — SHEET 2/11

P1912 & P1912A Eng. Road-Drainage

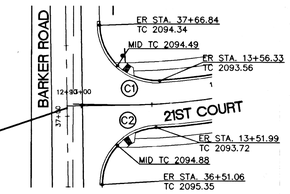
# N.W. 1/4 OF S.29, T.25N., R.45E., W.M.

NOTES.
1. STREET NAME SIGNS ARE PER SPOKANE COUNTY STD. PLAN NO. A-16.




NORTH

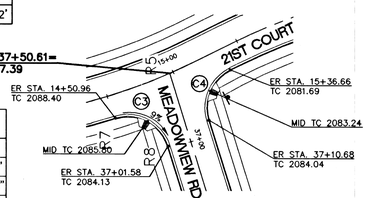
50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 1'




INTERSECTION DETAIL
BARKER ROAD AND 21ST COURT
1" = 50'

CURB RETURN DATA
FACE OF TYPE 'B' CURB

| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
|---|---|---|---|---|
| C1 | 40.00' | 64.55' | 41.75' | 92°27'27" |
| C2 | 40.00' | 61.48' | 38.67' | 88°03'31" |
| C3 | 30.00' | 47.02' | 29.90' | 89°47'57" |
| C4 | 30.00' | 42.14' | 25.39' | 80°28'42" |

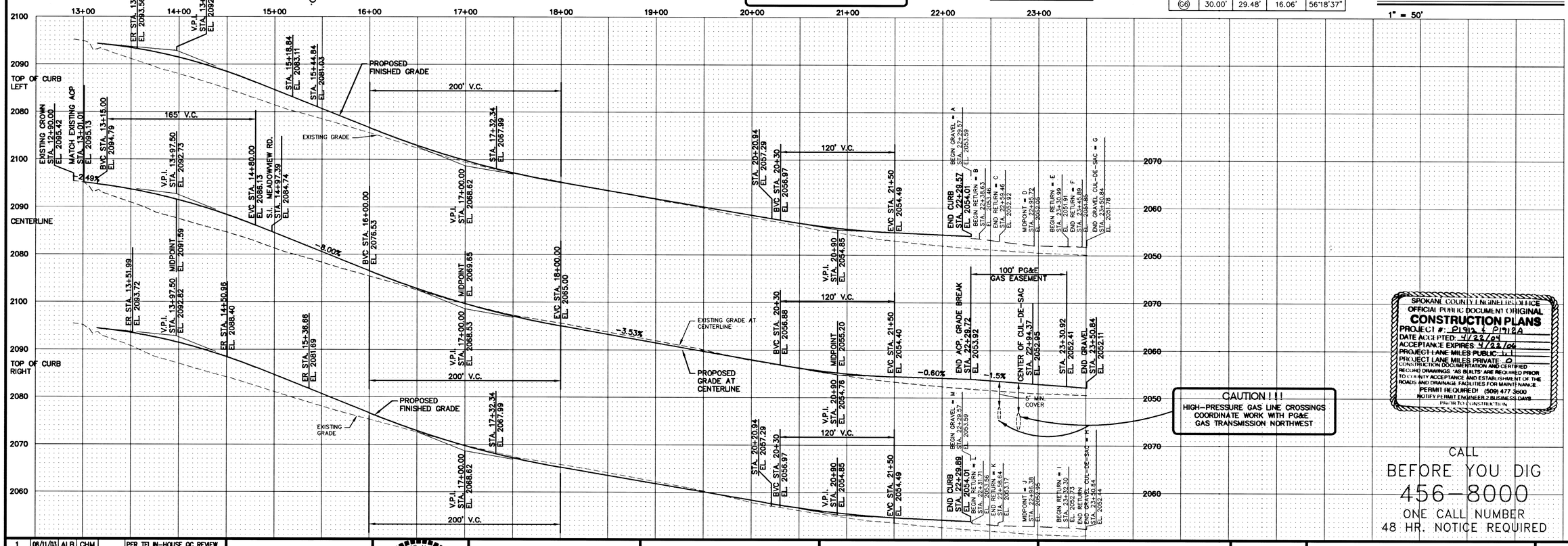



INTERSECTION DETAIL
21ST COURT AND MEADOWVIEW RD.
1" = 50'

TEMPOARY CUL-DE-SAC
EDGE OF GRAVEL SURFACE DATA

| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
|---|---|---|---|---|
| G1 | 30.00' | 25.03' | 13.29' | 47°48'05" |
| G2 | 45.00' | 90.63' | 71.17' | 115°23'39" |
| G3 | 20.00' | 18.23' | 9.80' | 52°13'42" |
| G4 | 20.00' | 20.94' | 11.54' | 59°58'43" |
| G5 | 45.00' | 77.93' | 52.90' | 99°13'31" |
| G6 | 30.00' | 29.48' | 16.06' | 56°18'37" |

CAUTION!!!
HIGH-PRESSURE GAS LINE CROSSINGS
COORDINATE WORK WITH PG&E
GAS TRANSMISSION NORTHWEST

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COORDINATE WORK WITH PG&E
GAS TRANSMISSION NORTHWEST

SPOKANE COUNTY ENGINEER'S OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
**CONSTRUCTION PLANS**
PROJECT #: P1912 & P1912A
DATE ACCEPTED: 4/22/04
ACCEPTANCE EXPIRES: 4/22/06
PROJECT LANE MILES PUBLIC: 1.2
PROJECT LANE MILES PRIVATE: 0
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PERMIT REQUIRED (509) 477-3600
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CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

| No. | Date | By | Ckd. | Appr. | Revisions |
|---|---|---|---|---|---|
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| 3 | 11/03/03 | ALB | CHM | | PER 10/24/03 COUNTY REVIEW |

Drawn ALB Date 08/01/03
Designed CHM Date 08/01/03
Checked MAS Date 08/08/03

CHRISTOPHER H. MANSFIELD — STATE OF WASHINGTON — 32858 — REGISTERED PROFESSIONAL ENGINEER — 11/3/03
EXPIRES 11/09/04

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Developer's Approval [signature] Date 11/4/03

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CADD FILE NAME: 01085F RD P&P1.dwg

50 25 0 50 100
SCALE FEET

SCALE
HORIZ. 1'=50'
VERT. 1'=10'

SALTESE & SALTESE FIRST ADDITION

21st COURT
STA. 12+90.00 TO STA. 23+50.84

ROAD
SHEET 3 / 11

P1912 & P1912A Eng. Road - Drainage

# N.W. 1/4 OF S.29, T.25N., R.45E., W.M.

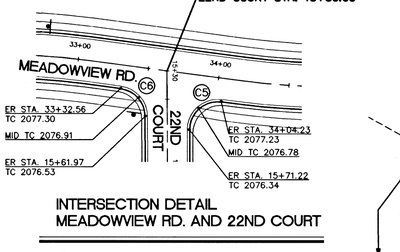
| CURB RETURN DATA FACE OF TYPE 'B' CURB | | | | |
|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
| C3 | 30.00' | 47.02' | 29.90' | 89°47'57" |
| C4 | 30.00' | 42.14' | 25.39' | 80°28'42' |
| C5 | 20.00' | 34.15' | 22.93' | 97°49'15" |
| C6 | 20.00' | 28.69' | 17.44' | 82°10'45" |

NOTES.

1. STREET NAME SIGNS ARE PER SPOKANE COUNTY STD. PLAN NO. A-16.

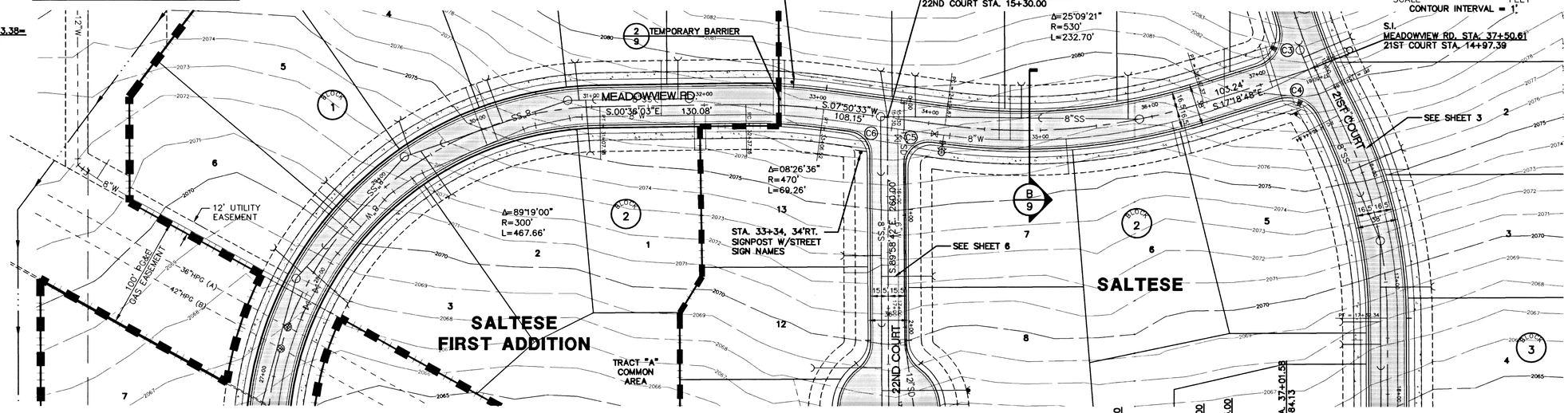
NORTH

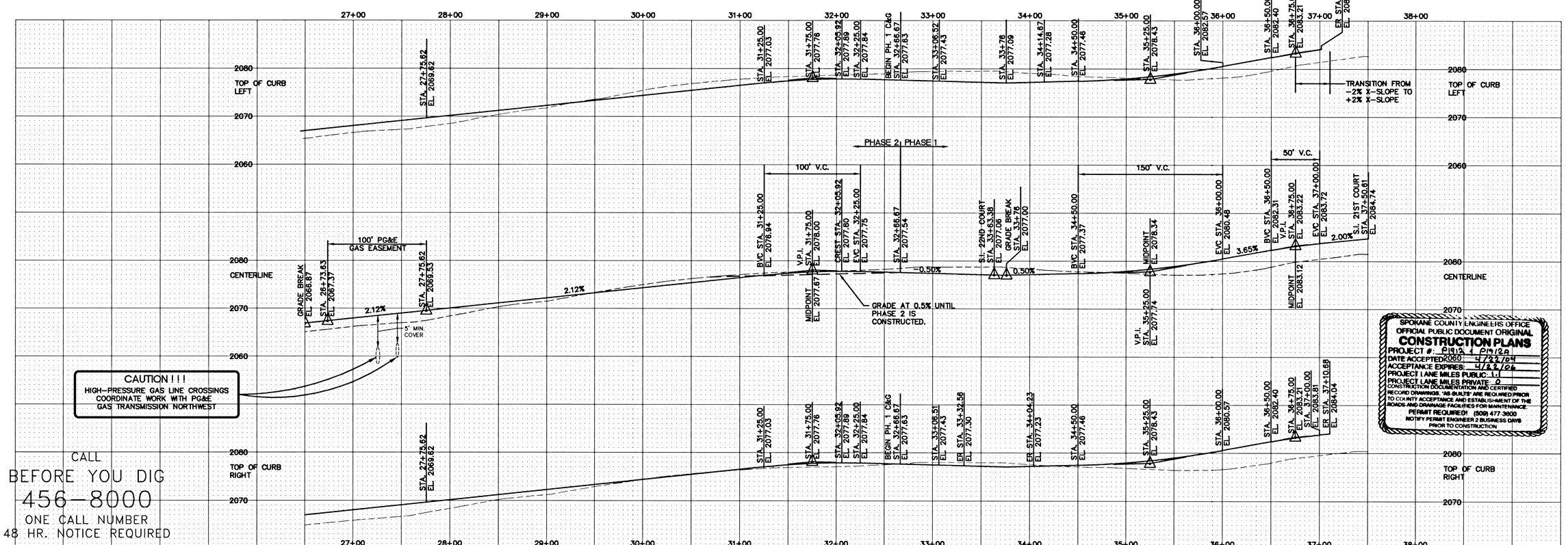
50 25 0 50 100
SCALE FEET
CONTOUR INTERVAL = 1'




INTERSECTION DETAIL
MEADOWVIEW RD. AND 22ND COURT

1" = 50'

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DATE ACCEPTED: 4/22/04
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PROJECT LANE MILES PUBLIC: 1.1
PROJECT LANE MILES PRIVATE: 0
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| No. | Date | By | Ck'd | Appr. | Revisions |
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| 1 | 08/11/03 | ALB | CHM | | PER TEI IN-HOUSE QC REVIEW |
| 2 | 09/05/03 | ALB | CHM | | PER 08/22/03 COUNTY REVIEW |
| 3 | 10/01/03 | ALB | CHM | | REVISED LOT #'S |
| 4 | 11/03/03 | ALB | CHM | | PER 10/24/03 COUNTY REVIEW |

| | Drawn | Date |
|---|---|---|
| | ALB | 08/01/03 |
| Designed | CHM | 08/01/03 |
| Checked | MAS | 08/08/03 |

CHRISTOPHER H. MANFREDI — STATE OF WASHINGTON — 32956 — REGISTERED PROFESSIONAL ENGINEER — 11/3/03
EXPIRES 11/09/04

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477-3600

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50 25 0 50 100
SCALE FEET

SCALE
HORIZ. 1"=50'
VERT. 1"=10'

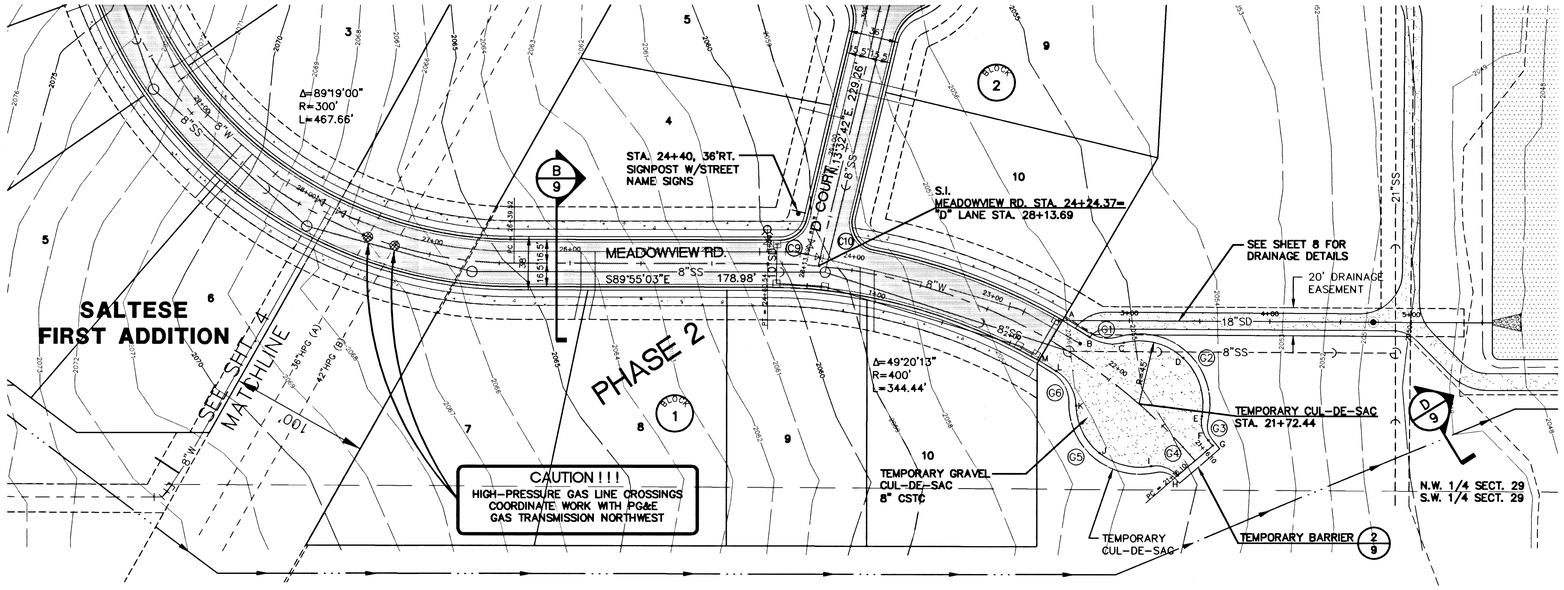
SALTESE & SALTESE FIRST ADDITION

MEADOWVIEW RD.
STA. 27+75.62 TO STA. 37+50.61

ROAD
SHEET
4 / 11

P1912 & P1912A Eng. Road-Drainage

# N.W. 1/4 OF S.29, T.25N., R.45E., W.M.




NORTH

50 25 0 50 100

SCALE FEET

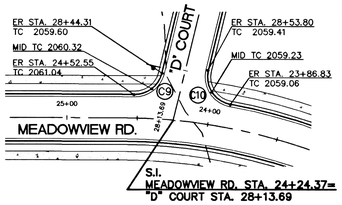
CONTOUR INTERVAL = 1'

**NOTES.**

1. STREET NAME SIGNS ARE PER SPOKANE COUNTY STD. PLAN NO. A-16.

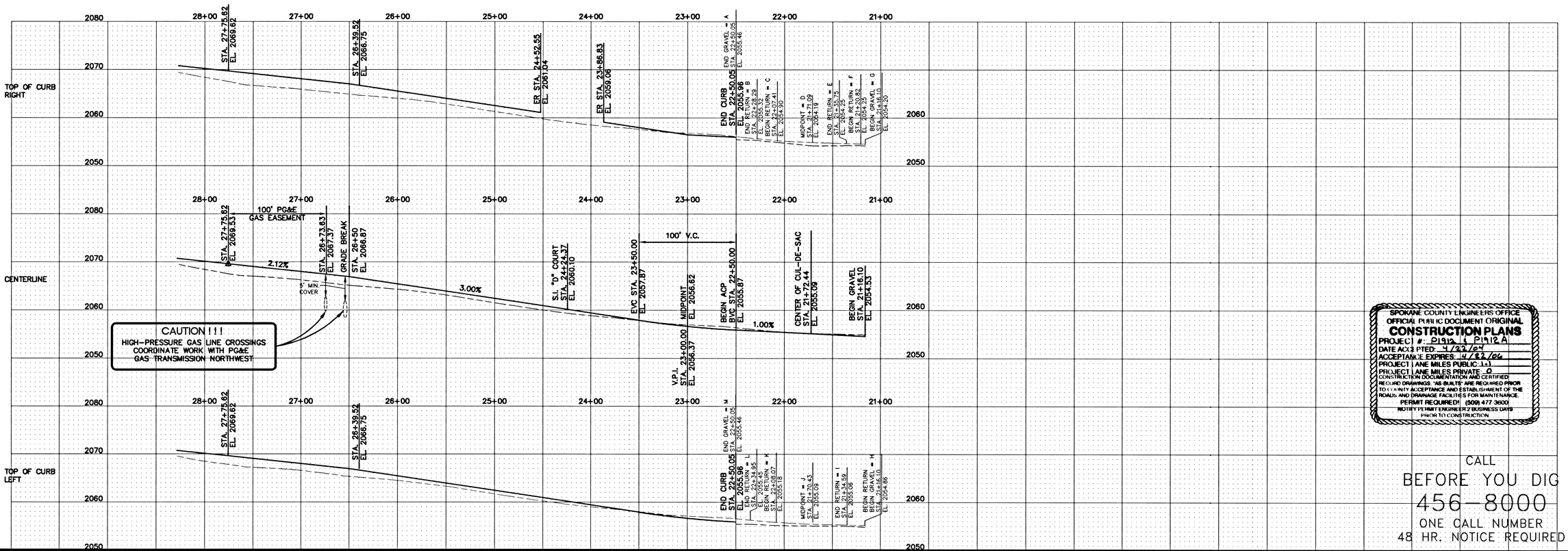
| TEMPORARY CUL-DE-SAC EDGE OF GRAVEL SURFACE DATA | | | | |
|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
| G1 | 30.00' | 25.11' | 13.34' | 47°57'06" |
| G2 | 45.00' | 90.90' | 71.65' | 115°44'24" |
| G3 | 20.00' | 18.29' | 9.84' | 52°23'40" |
| G4 | 20.00' | 20.87' | 11.50' | 59°47'46" |
| G5 | 45.00' | 77.69' | 52.61' | 98°54'48" |
| G6 | 30.00' | 29.4' | 16.00' | 56°08'27" |

| CURB RETURN DATA FACE OF TYPE 'B' CURB | | | | |
|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
| C9 | 20.00' | 27.12' | 16.10' | 77°40'54" |
| C10 | 20.00' | 32.43' | 21.04' | 92°54'19" |




INTERSECTION DETAIL
MEADOWVIEW RD. AND 'D' COURT

1" = 50'

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CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

| No. | Date | By | Ck'd. | Appr. | Revisions |
|---|---|---|---|---|---|
| 1 | 08/11/03 | ALB | CHM | | PER TEI IN-HOUSE QC REVIEW |
| 2 | 09/05/03 | ALB | CHM | | PER 08/22/03 COUNTY REVIEW |
| 3 | 10/01/03 | ALB | CHM | | REVISED LOT #'S |
| 4 | 11/03/03 | ALB | CHM | | PER 10/24/03 COUNTY REVIEW |

Drawn ALB Date 08/01/03
Designed CHM Date 08/01/03
Checked MAS Date 08/08/03

CHRISTOPHER H. MANSFIELD — STATE OF WASHINGTON — 32956 — REGISTERED PROFESSIONAL ENGINEER — 11-3-03
EXPIRES 11/09/04

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Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

Developer's Approval _____ Date 11/4/03

**SPOKANE COUNTY PUBLIC WORKS**
**DIVISION OF ENGINEERING AND ROADS**
W. 1026 Broadway Ave.
Spokane Wa. 99260-0170
477-3600

VERTICAL DATUM: FOUND REBAR AT SE CORNER OF BARKER ROAD/24TH AVE. (CONTROL POINT NO. 5) ELEVATION 2084.06 NAVD 88 DATUM

CADD FILE NAME: 01085F RD P&P3.dwg

50 25 0 50 100
SCALE FEET

SCALE
HORIZ. 1'=50'
VERT. 1'=10'

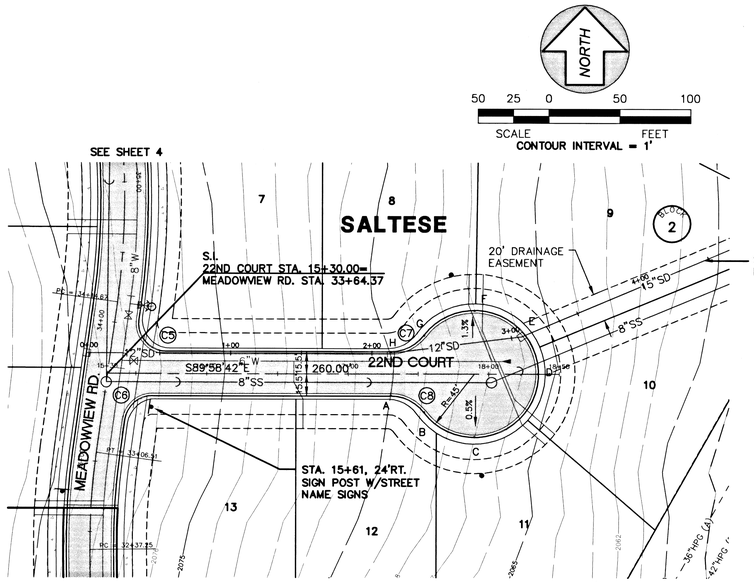
SALTESE & SALTESE FIRST ADDITION — ROAD

MEADOWVIEW RD.
STA. 21+17.09 TO STA. 27+75.62

SHEET 5 / 11

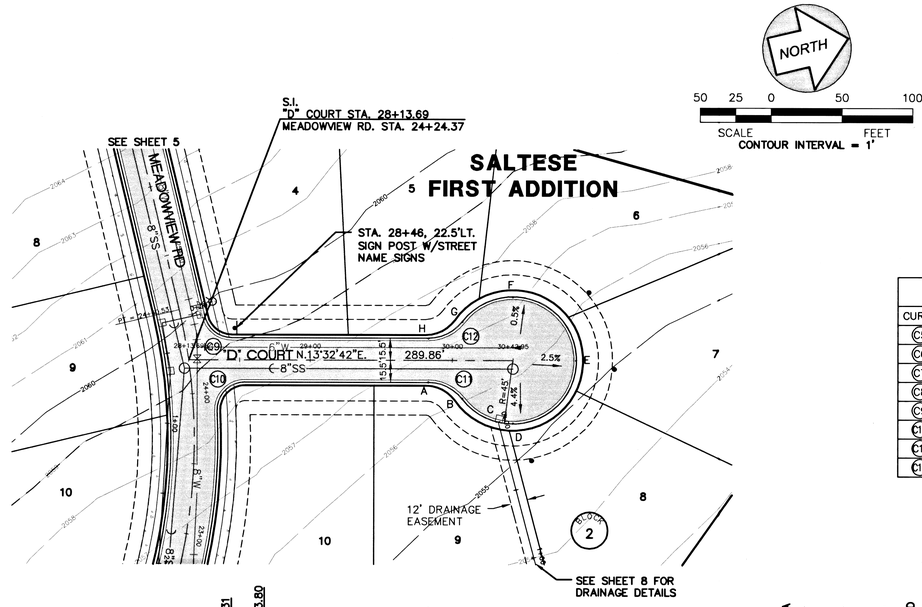
P1912 & P1912A Eng. Road-Drainage

# N.W. 1/4 OF S.29, T.25N., R.45E., W.M.

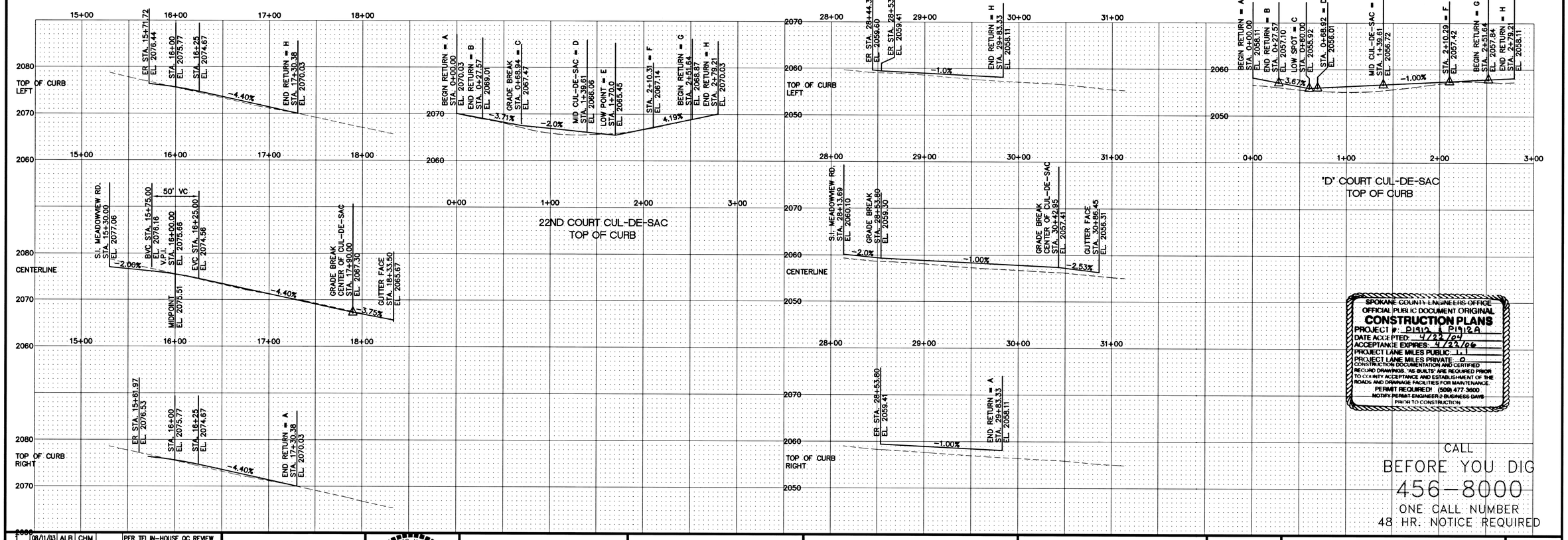



NOTES.

1. STREET NAME SIGNS ARE PER SPOKANE COUNTY STD. PLAN NO. A-16.




| CURB RETURN DATA FACE OF TYPE 'B' CURB | | | | |
|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | TANGENT | DELTA |
| C5 | 20.00' | 34.15' | 22.93' | 97°49'15" |
| C6 | 20.00' | 28.69' | 17.44' | 82°10'45" |
| C7 | 30.00' | 27.57' | 14.84' | 52°39'04" |
| C8 | 30.00' | 27.57' | 14.84' | 52°39'04" |
| C9 | 20.00' | 27.12' | 16.10' | 77°40'54" |
| C10 | 20.00' | 32.43' | 21.04' | 92°54'19" |
| C11 | 30.00' | 27.57' | 14.84' | 52°39'04" |
| C12 | 30.00' | 27.57' | 14.84' | 52°39'04" |




SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
**CONSTRUCTION PLANS**
PROJECT #: P1912 & P1912A
DATE ACCEPTED: 4/22/04
ACCEPTANCE EXPIRES: 4/22/06
PROJECT LANE MILES PUBLIC: 1.1
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
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Drawn ALB Date 08/01/03
Designed CHM Date 08/01/03
Checked — —

CHRISTOPHER H. HANSEN — STATE OF WASHINGTON — 32936 — REGISTERED PROFESSIONAL ENGINEER — 11/4/03
EXPIRES 11/09/04

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Developer's Approval [signature] Date 11/4/03

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CADD FILE NAME: 01085F RD P&P4.dwg

50 25 0 50 100
SCALE FEET

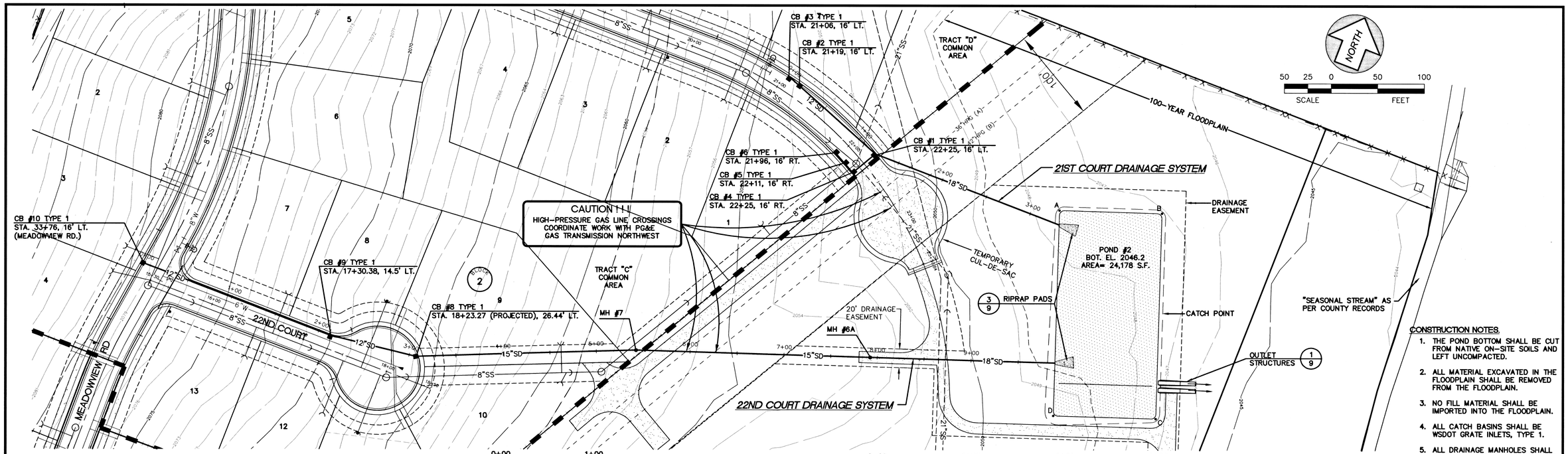
SCALE
HORIZ 1'=50'
VERT. 1'=10'

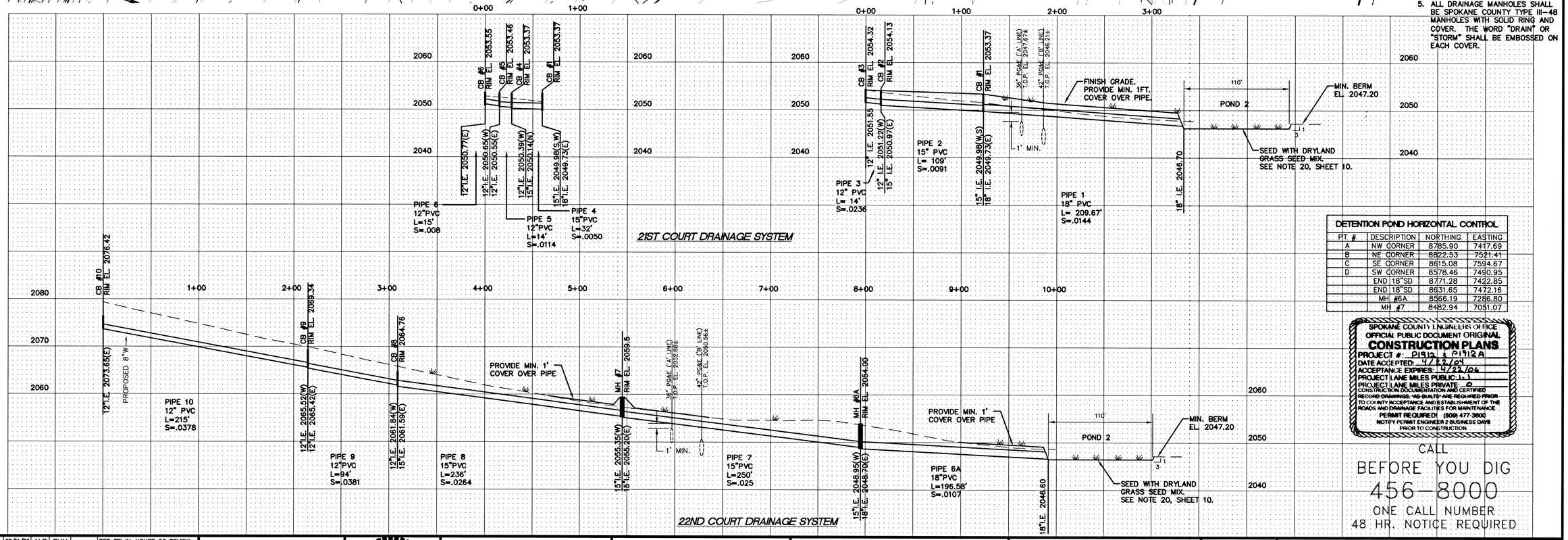
*SALTESE & SALTESE FIRST ADDITION*

*22ND COURT*
*STA. 15+30.00 TO STA. 17+90.00*
*"D" COURT*
*STA. 28+13.69 TO STA. 30+42.95*

ROAD
SHEET 6 / 11

P1912 & P1912A Eng. Road-Drainage




**CONSTRUCTION NOTES.**

1. THE POND BOTTOM SHALL BE CUT FROM NATIVE ON-SITE SOILS AND LEFT UNCOMPACTED.
2. ALL MATERIAL EXCAVATED IN THE FLOODPLAIN SHALL BE REMOVED FROM THE FLOODPLAIN.
3. NO FILL MATERIAL SHALL BE IMPORTED INTO THE FLOODPLAIN.
4. ALL CATCH BASINS SHALL BE WSDOT GRATE INLETS, TYPE 1.
5. ALL DRAINAGE MANHOLES SHALL BE SPOKANE COUNTY TYPE III-48 MANHOLES WITH SOLID RING AND COVER. THE WORD "DRAIN" OR "STORM" SHALL BE EMBOSSED ON EACH COVER.

**DETENTION POND HORIZONTAL CONTROL**

| PT # | DESCRIPTION | NORTHING | EASTING |
|---|---|---|---|
| A | NW CORNER | 8785.90 | 7417.69 |
| B | NE CORNER | 8822.53 | 7521.41 |
| C | SE CORNER | 8615.08 | 7594.67 |
| D | SW CORNER | 8578.46 | 7490.95 |
| | END 18"SD | 8771.28 | 7422.85 |
| | END 18"SD | 8631.65 | 7472.16 |
| | MH #6A | 8566.19 | 7286.80 |
| | MH #7 | 8482.94 | 7051.07 |

SPOKANE COUNTY ENGINEERS OFFICE
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| 3 | 10/01/03 | ALB | CHM | | PER 09/19/03 COUNTY REVIEW |

Drawn RPB 08/01/03
Designed CHM 08/01/03
Checked MAS 08/08/03

CHRISTOPHER H. EMANUELSEN — STATE OF WASHINGTON — 32596 — REGISTERED PROFESSIONAL ENGINEER — 11/3/03
EXPIRES 11/09/04

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Spokane Wa. 99260-0170
477-3600

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CADD FILE NAME: 01085F RD DP-PH1.dwg
50 25 0 50 100
SCALE FEET

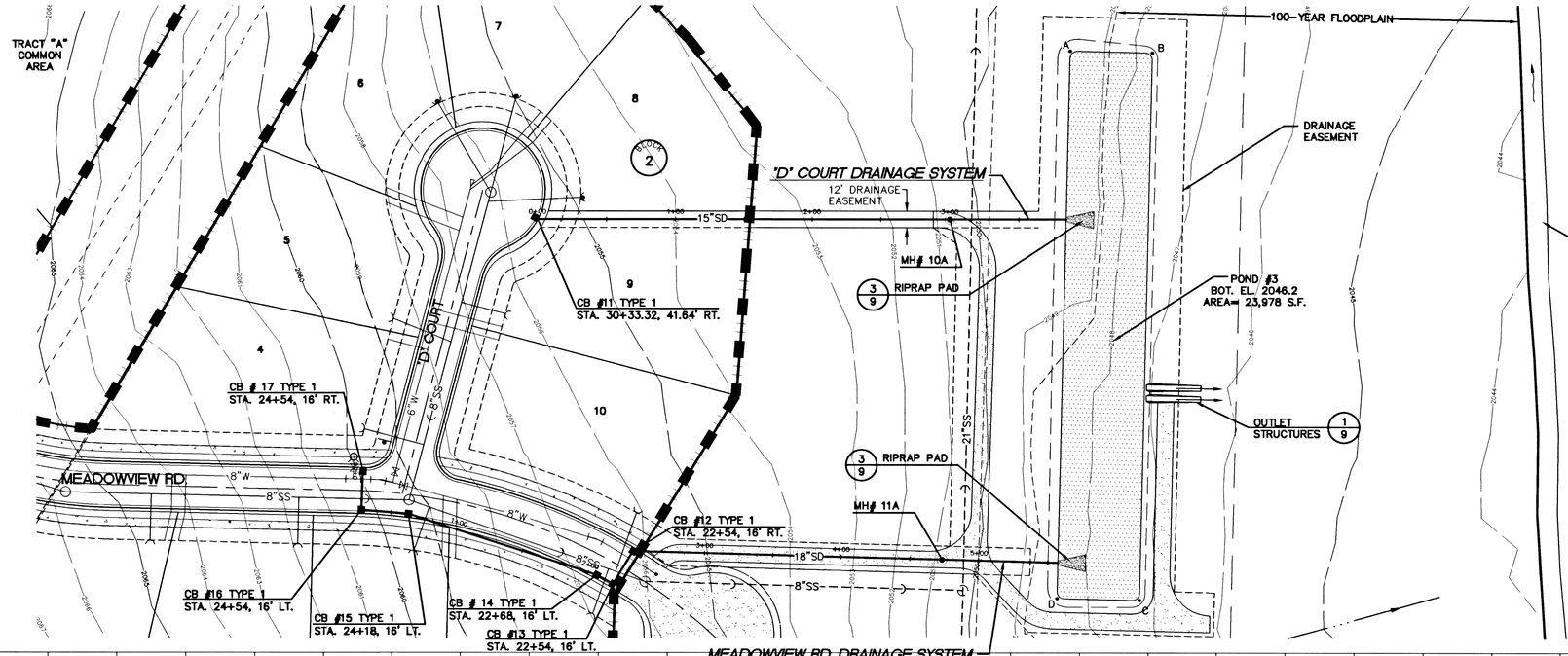
SCALE
HORIZ. 1'=50'
VERT. 1'=10'

SALTESE & SALTESE FIRST ADDITION

DETENTION POND AND STORM DETAILS
PHASE I

STORM SHEET 7/11

P1912 & P1912A Eng. Road-Drainage

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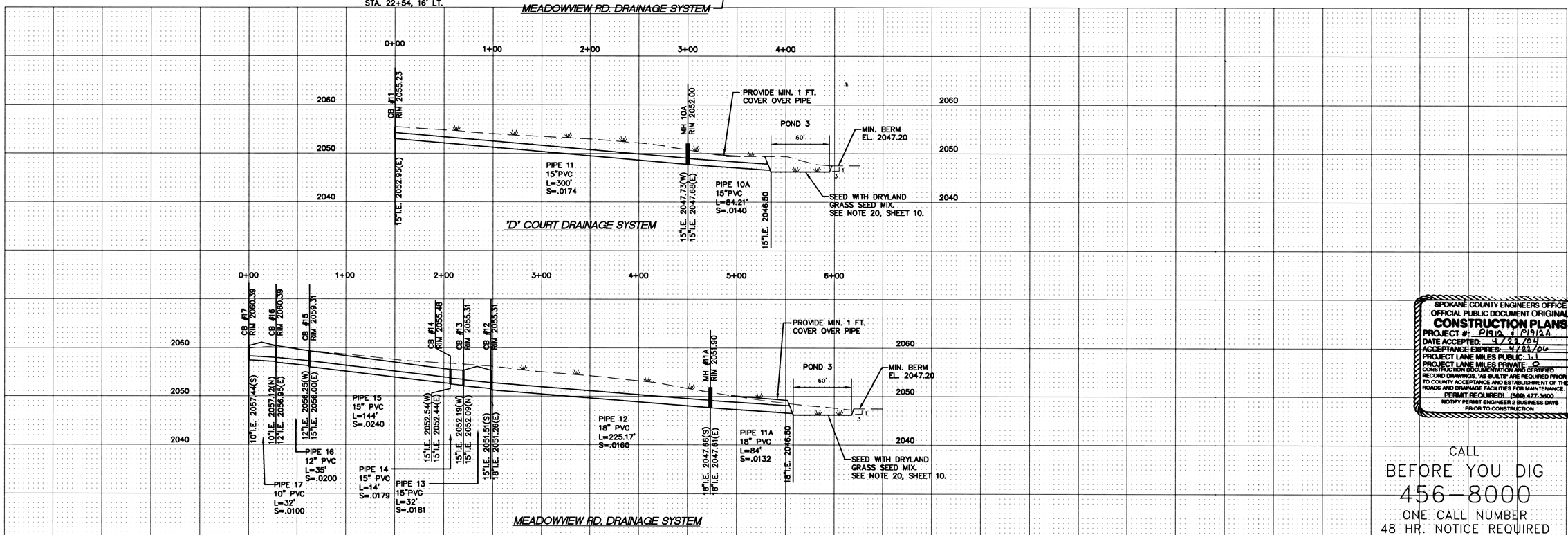
**DETENTION POND HORIZONTAL CONTROL**

| PT # | DESCRIPTION | NORTHING | EASTING |
|---|---|---|---|
| A | NW CORNER | 8144.81 | 7522.91 |
| B | NE CORNER | 8144.72 | 7582.91 |
| C | SE CORNER | 7744.72 | 7582.34 |
| D | SW CORNER | 7744.81 | 7522.34 |
| | END 15"SD | 8021.71 | 7522.74 |
| | END 18"SD | 7770.91 | 7522.38 |
| | MH #10A | 8019.87 | 7438.55 |
| | MH #11A | 7771.32 | 7438.38 |

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Drawn RPB 08/01/03
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477-3600

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CADD FILE NAME: 01085F RD DP-PH2.dwg
50 25 0 50 100
SCALE FEET

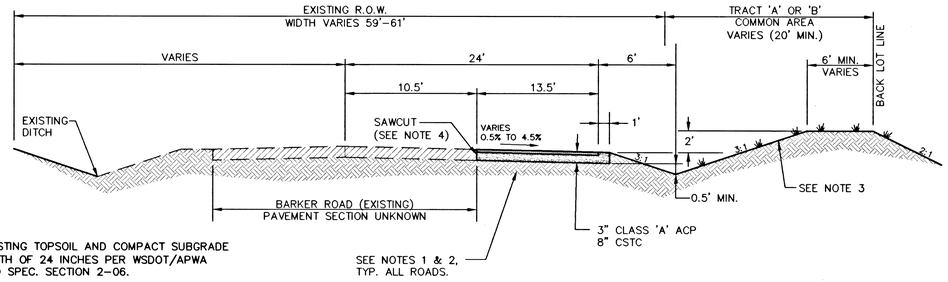
SCALE
HORIZ. 1"=50'
VERT. 1"=10'

SALTESE & SALTESE FIRST ADDITION

DETENTION POND AND STORM DETAILS PHASE II

STORM SHEET 8/11

P1912 & P1912A Eng. Road-Drainage

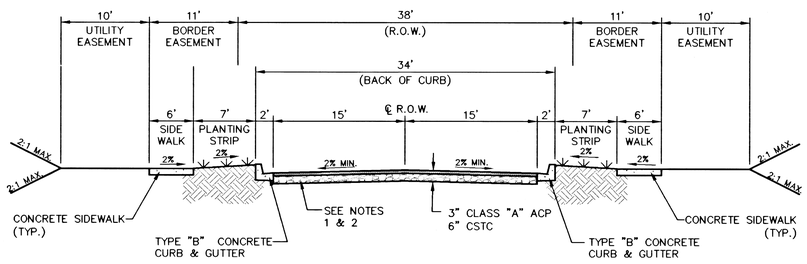



**NOTES:**

1. STRIP EXISTING TOPSOIL AND COMPACT SUBGRADE TO A DEPTH OF 24 INCHES PER WSDOT/APWA STANDARD SPEC. SECTION 2-06.
2. PLACE AND COMPACT CRUSHED SURFACING PER WSDOT STANDARD SPEC. SECTION 4-01.
3. SEED WITH DRYLAND GRASS SEED MIX. SEE NOTE 20, SHEET 10.
4. REMOVE A MINIMUM 6-INCH WIDE STRIP OF EXISTING PAVEMENT.

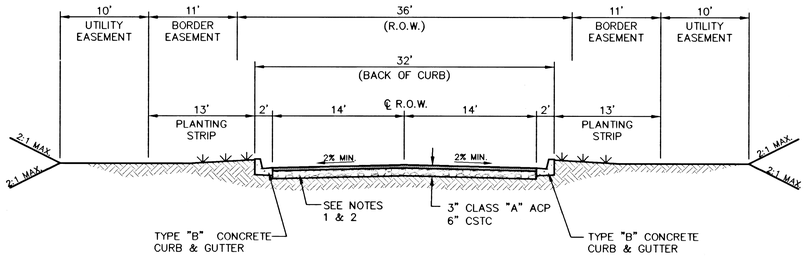
A/2 TYPICAL ROAD SECTION - BARKER ROAD
STA. 27+62 TO 39+47

NOT TO SCALE



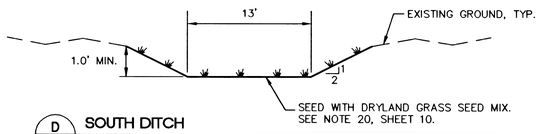

B/3-5 TYPICAL ROAD SECTION - 21ST COURT AND MEADOWVIEW RD.

NOT TO SCALE



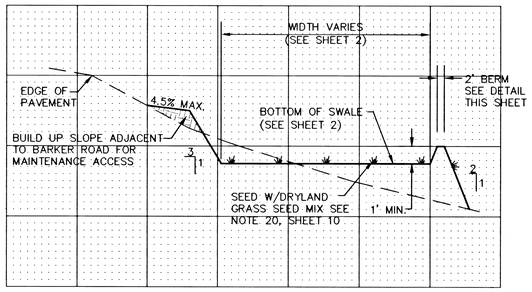

C/6 TYPICAL ROAD SECTION - 22ND COURT AND "D" COURT

NOT TO SCALE



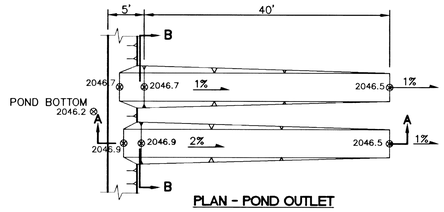

D/2,9 SOUTH DITCH

NOT TO SCALE

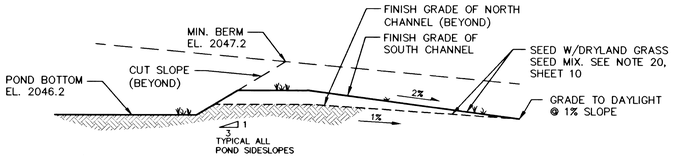



E/2 SECTION - SWALE 1A and 1B (LOOKING NORTH)

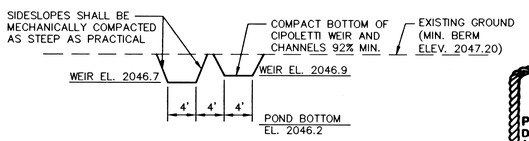
SCALE: HORIZ. 1"=4'
VERT. 1"=20'




PLAN - POND OUTLET



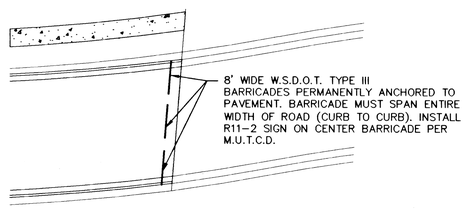

ELEVATION SECTION A-A




SECTION B-B OUTLET STRUCTURE

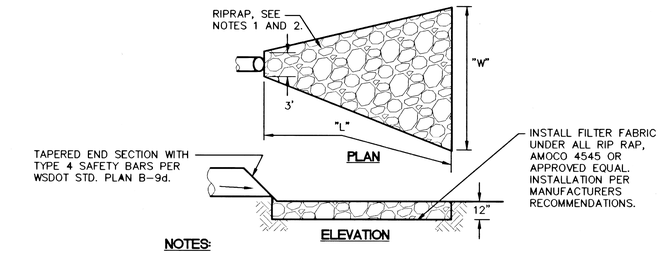
1/7,8 POND OUTLET

NOT TO SCALE




2/3,4 TEMPORARY BARRIER

NOT TO SCALE



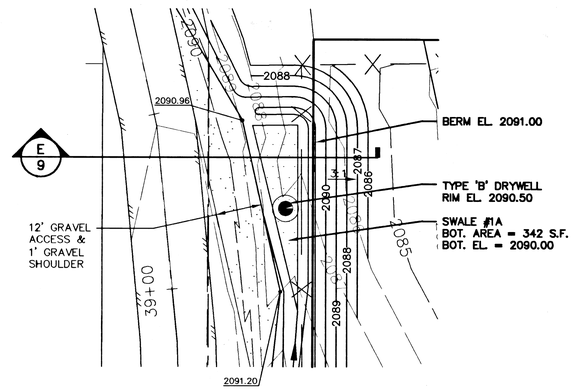

**NOTES:**

1. RIP RAP SHALL BE INSTALLED 12" THICK WITH THE FOLLOWING GRADATION:

| | | PIPE # 1B | 1 | 6A | 11 | 12 |
|---|---|---|---|---|---|---|
| MAX. STONE SIZE: | | 2" | 7" | 4-1/2" | 5" | 7" |
| AVG. STONE SIZE: | | 1-1/2" | 5" | 3-1/2" | 4" | 4-1/2" |
| MIN. STONE SIZE: | | 1/2" | 1-1/2" | 1" | 1" | 1-1/2" |
| 2. PAD SIZE: | "L"= | 12' | 20' | 20' | 20' | 20' |
| | "W"= | 8' | 12.5' | 12.5' | 12.5' | 12.5' |

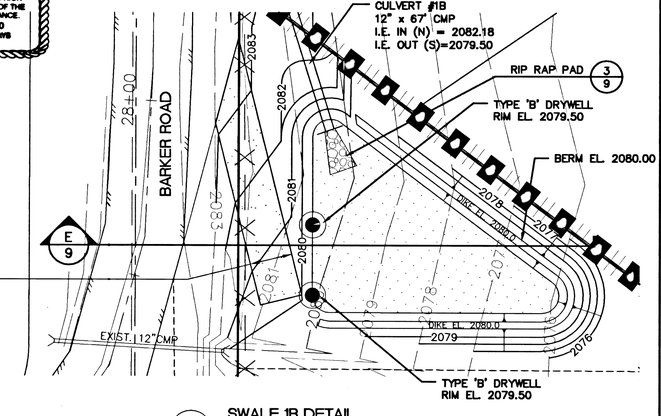
3/— RIPRAP REVETMENT

NOT TO SCALE




4/— SWALE 1A DETAIL

1" = 20'




5/— SWALE 1B DETAIL

1" = 20'

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CHRISTOPHER H. MANUEL — STATE OF WASHINGTON — 32956 — REGISTERED PROFESSIONAL ENGINEER — 11/3/03
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SCALE
HORIZ. N/A
VERT. N/A

SALTESE & SALTESE FIRST ADDITION

ROAD AND DRAINAGE DETAILS

ROAD
SHEET 9/11

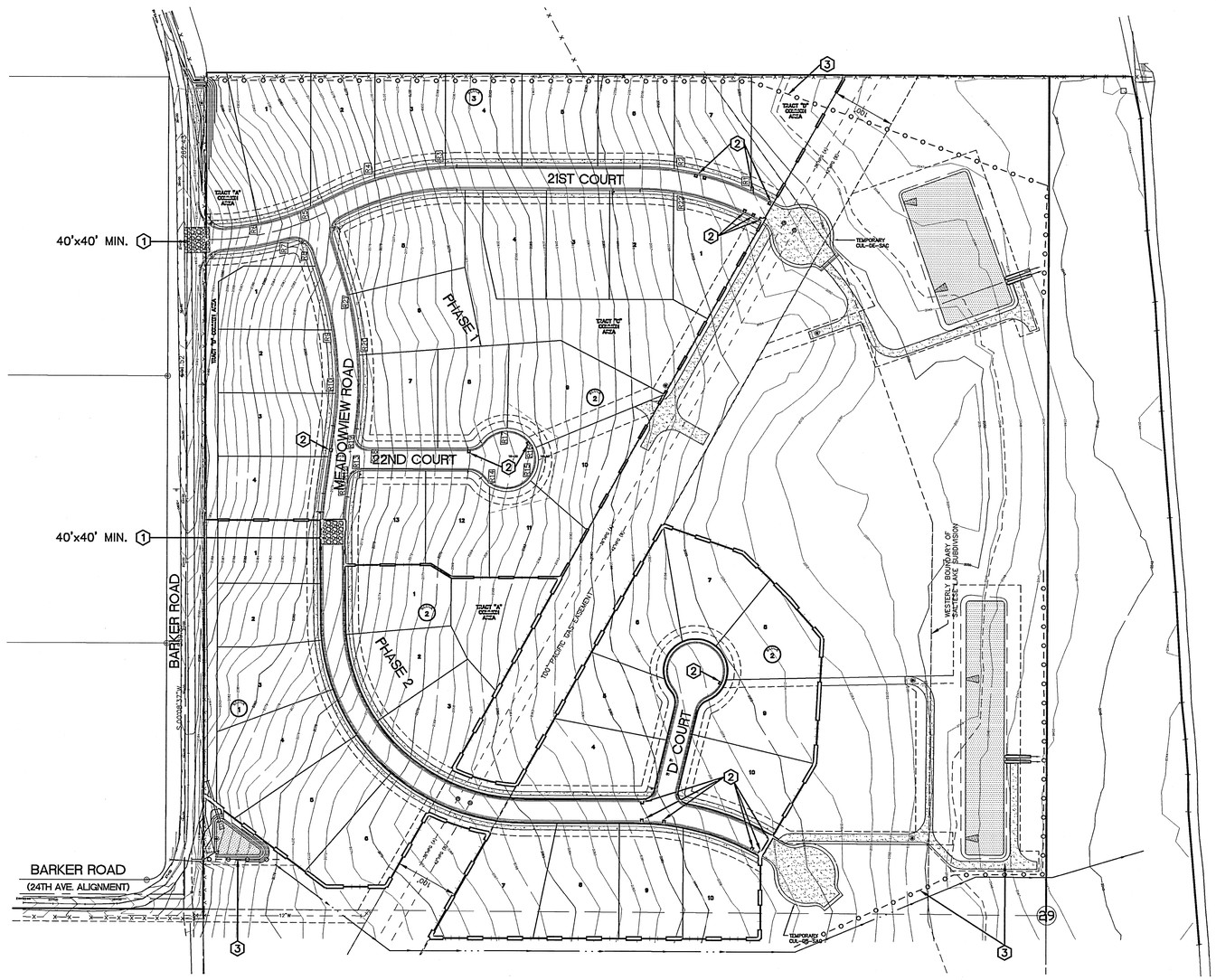
P1912 & P1912A Eng. Road-Drainage

N.W. 1/4 OF S.29, T.25N., R.45E., W.M.

NORTH

100 50 0 100 200

SCALE FEET




## EROSION CONTROL NOTES:

1. AN EROSION/SEDIMENT CONTROL (ESC) PLAN IS REQUIRED FOR THIS PROJECT. IMPLEMENTATION OF THE ESC PLAN, AND CONSTRUCTION, MAINTENANCE AND UPGRADING OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER.
2. APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD, STORM DRAINAGE, GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN.
3. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF THE SITE OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES, SUCH AS DRYWELLS, CULVERTS, OR GRAVEL GALLERIES.
4. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE. ACCESS FOR CONSTRUCTION VEHICLES SHOULD BE LIMITED TO ONE ROUTE WHENEVER POSSIBLE. CONTROL FACILITIES WILL BE MAINTAINED WHILE CONSTRUCTION IS IN PROGRESS, MOVED WHEN NECESSARY AND REMOVED WHEN THE SITE IS PAVED. SEE DETAIL 1, THIS SHEET.
5. CONTRACTOR TO PREVENT AGAINST SEDIMENTATION BY INSTALLING GEOTEXTILE FABRIC BETWEEN THE RIM AND GRATE OF DRYWELLS, CATCH BASINS AND INLETS UNTIL SUCH TIME THE VEGETATION ON THE SITE IS ESTABLISHED AND THE THREAT OF SEDIMENT DEPOSITION INTO THE DRAINAGE SYSTEM IS MITIGATED.
6. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND RUNOFF. CONTRACTOR IS RESPONSIBLE FOR SUPPRESSION OF DUST IN CONFORMANCE WITH SCAPCA REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL FACILITIES SHOWN AS A MINIMUM.
7. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO UNFORESEEN PROBLEMS OR IF THE PLAN DOES NOT FUNCTION AS INTENDED. THE INTENT IS TO KEEP SEDIMENT ON THE PROJECT SITE AND NOT ALLOW IT TO REACH ADJACENT PROPERTIES, WATER BODIES, AND PUBLIC OR PRIVATE ROADS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PERMANENT AND DOWNSTREAM STORMWATER MANAGEMENT FACILITIES DURING CONSTRUCTION AND FOR CLEANING DRAINAGE AND EROSION CONTROL FACILITIES AS REQUIRED. STREETS SHALL BE KEPT CLEAN OF DEBRIS FROM TRAFFIC FROM THE SITE.
9. THE CONTRACTOR SHALL DESIGNATE AND POST A LOCATION FOR A SLURRY PIT WHERE CONCRETE TRUCKS AND EQUIPMENT CAN BE WASHED OUT. SLURRY PITS SHALL NOT BE LOCATED IN OR DRAIN INTO A SWALE, DRAINAGE AREA, STORMWATER FACILITY OR WATER BODY, EITHER EXISTING OR PROPOSED. HARDENED WASH CONCRETE SHALL BE BROKEN UP AND REMOVED FROM THE SITE.
10. CONTRACTOR SHALL IDENTIFY A LOCATION FOR STORAGE/STOCKPILE AREAS (WITHIN THE PROPOSED ESC PLAN BOUNDARIES) FOR ANY SOIL, EARTHEN AND LANDSCAPE MATERIAL THAT IS TO BE USED ON-SITE.
11. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMP's DURING ALL LAND-DISTURBING ACTIVITIES. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL STRUCTURES AFTER EVERY RAINFALL EVENT, REMOVE DEBRIS AND SEDIMENT AND MAKE NEEDED REPAIRS.
12. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
13. CONTRACTOR SHALL FIELD IDENTIFY AND DELINEATE ALL CLEARING LIMITS, SENSITIVE/CRITICAL AREAS, BUFFERS, TREES TO BE PRESERVED AND DRAINAGE COURSES.
14. CONSTRUCTION OF ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF OTHER LAND DISTURBING ACTIVITIES.
15. ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT RECEIVING PAVEMENT, GRAVEL, OR LANDSCAPE TREATMENT SHALL BE STABILIZED BY APPLICATION OF A HYDROSEED MIXTURE OF DRYLAND GRASS SEED.
16. EROSION CONTROL STRUCTURES BELOW SODDED OR RIP RAPPED AREAS MAY BE REMOVED ONCE SOD AND FINAL LANDSCAPING IS IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. EROSION CONTROL IN PROPOSED PAVED AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
17. ALL TEMPORARY SEDIMENT CONTROL BMP's SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY BMP's ARE NO LONGER NEEDED.
18. CONTRACTOR SHALL CONTROL ALL ON-SITE POLLUTANTS OTHER THAN SEDIMENT IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER OR GROUNDWATER.
19. THIS PLAN IS ONLY TO BE USED FOR INSTALLATION OF EROSION CONTROL FACILITIES. DO NOT USE THIS PLAN FOR GRADING OR STORM SEWER CONSTRUCTION.
20. ALL PONDS AND DISTURBED AREAS SHALL BE SEEDED W/DRYLAND GRASS SEED MIX AS FOLLOWS:

DRYLAND SEED MIX REQUIREMENTS:

GRASS SEED : PROVIDE FRESH, CLEAN, NEW CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA.

PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

| | |
|---|---|
| 10 PERCENT | ELKA PERENNIAL RYE |
| 15 PERCENT | REUBENS CANADIAN BLUEGRASS |
| 20 PERCENT | DURAR HARD FESCUE |
| 45 PERCENT | COVAR/SHEEP FESCUE |

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

| | |
|---|---|
| GRASS SEED: | 90 LBS. PER ACRE |
| FERTILIZER: | 16-16-16 TIMED RELEASE COMPOSITION, 300LBS PER ACRE |

ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS, SEC. 8-01.

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1912 & P1912A
DATE ACCEPTED: 4/22/04
ACCEPTANCE BASED: 4/22/06
PROJECT LAKE MILES PUBLIC: 1.1
PROJECT LAKE MILES PRIVATE: 0
CONSTRUCTED ROAD MILEAGE IS CENTERLINE RECORD DRAWINGS, AS-BUILT AND REQUIRED PRIOR TO COUNTY ACCEPTANCE AND INCLUSION OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 WORKING DAYS PRIOR TO CONSTRUCTION

Developer's Approval _____ Date 11/4/03

CONSTRUCTION NOTES:

1. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT. SEE DETAIL 1, SHEET 11.
2. INSTALL SILT FENCE DROP INLET SEDIMENT BARRIER, SEE DETAIL 2, SHEET 11.
3. INSTALL SILT FENCE, SEE DETAIL 3, SHEET 11.

CHRISTOPHER H. MANSFIELD — STATE OF WASHINGTON — 32956 — REGISTERED PROFESSIONAL ENGINEER — 11-3-03
EXPIRES 11/09/04

THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN CONFORM TO THE REQUIREMENTS LISTED IN CHAPTER 4.5 OF THE APPLICABLE EDITIONS OF THE GUIDELINES FOR STORMWATER MANAGEMENT AS PUBLISHED BY THE SPOKANE COUNTY DIVISION OF ENGINEERING AND ROADS.

REVISIONS

| | | | | |
|---|---|---|---|---|
| 1 | 08/11/03 | ALB | CHM | PER TEI IN-HOUSE QC REVIEW |
| 2 | 09/05/03 | ALB | CHM | PER 08/22/03 COUNTY REVIEW |
| 3 | 10/01/03 | ALB | CHM | REVISED LOT #'S |

DWN: ALB DATE: 08/01/03
CK'D: CHM DATE: 08/01/03

Taylor Engineering, Inc.
Civil Design and Land Planning
W. 106 Mission Ave.
Spokane, Washington 99201
(509) 328-3371 FAX (509) 328-8224

SCALE: 1"=100'

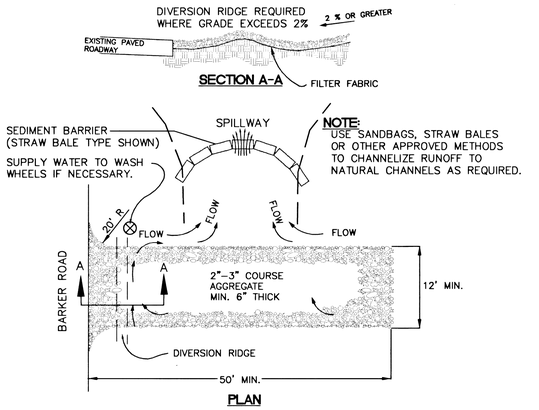
SHEET 10 OF 11

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

SALTESE AND SALTESE FIRST ADDITION

CADD FILE: 01085F-ER01

P1912 & P1912A Eng. Road - Drainage



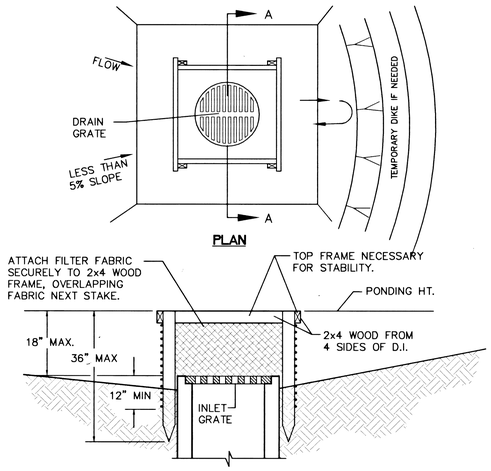

**NOTE:**
USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO NATURAL CHANNELS AS REQUIRED.

**NOTES:**

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO EXIST. ASPHALT ROADWAYS.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA THAT IS STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

**1/10 ROCK CONSTRUCTION ENTRANCE**

NOT TO SCALE

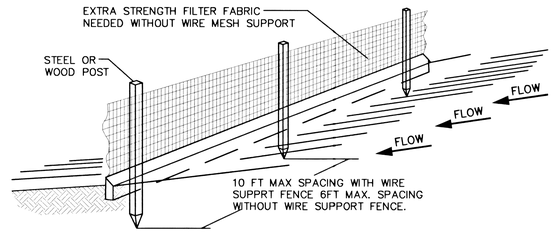


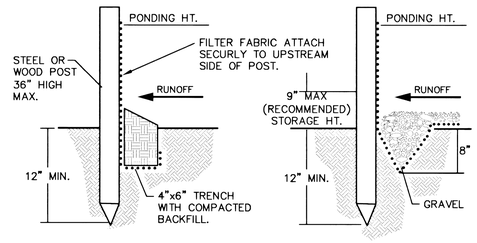

**NOTES:**

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR STORM SYSTEM PROTECTION.
2. USE 2X4 WOOD OR EQUIVALENT METAL STAKES, (3 FT. MIN. LENGTH)
3. INSTALL 2X4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

**2/10 SILT FENCE DROP INLET SEDIMENT BARRIER**

NOT TO SCALE




**STANDARD DETAIL**
TRENCH WITH NATIVE BACKFILL

**ALTERNATE DETAIL**
TRENCH WITH GRAVEL

**NOTES:**

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFFSITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED IN SLOPE CONTOURS TO MAXIMIZE PONDING EFFIECENCY. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.

**3/10 SILT FENCE**

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
**CONSTRUCTION PLANS**
PROJECT #: P1912 & P1912A
DATE ACCEPTED: 4/22/04
ACCEPTANCE EXPIRES: 4/22/06
PROJECT LANE MILES PUBLIC: 1.8
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS, "AS-BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (509) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

CALL
BEFORE YOU DIG
456-8000
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

*Developer's Approval* _____ *Date* 4/4/03

CHRISTOPHER H. MARSH — STATE OF WASHINGTON — 32956 — REGISTERED PROFESSIONAL ENGINEER — 4/3/03
EXPIRES 11/09/04

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REVISIONS

DWN: ALB DATE: 08/01/03
CK'D: CHM DATE: 08/01/03

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SCALE: 1"=100'

SHEET 11 OF 11

**TEMPORARY EROSION AND SEDIMENT CONTROL DETAILS**

SALTESE AND SALTESE FIRST ADDITION

ADD. FILE: 01805F-ER01

P1912 & P1912A Eng. Road-Drainage